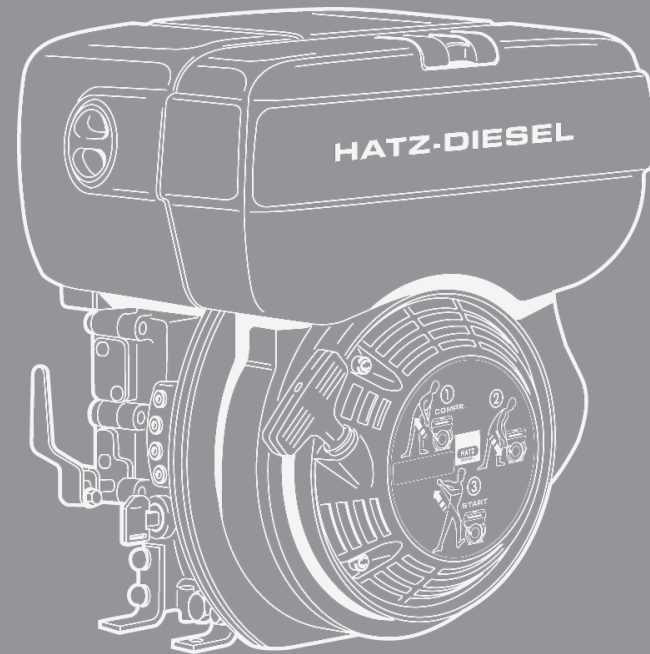


**Motorenfabrik Hatz GmbH & Co. KG**

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www.hatz-diesel.com

CREATING POWER SOLUTIONS.



1B20. | 1B20R. | 1B27. | 1B30.

**Original - spare parts**  
**Original - Ersatzteile**  
**Pièces de rechange d'origine**  
**Repuestos originales**  
**Pezzi di ricambio originali**

**Hatz Service**

0000 434 800 36  
34 - 01.2014 - 4

Printed in Germany

We reserve the right to make all  
changes that serve technical  
development.



CREATING POWER SOLUTIONS.

www.HATZ-DIESEL.com



**Original - spare parts**  
**Original - Ersatzteile**  
**Pièces de rechange d'origine**  
**Repuestos originales**  
**Pezzi di ricambio originali**

|   |                    |
|---|--------------------|
| ① | TYPE / SPEC. / FDT |
| ② | SERIAL NO.         |
| ③ | MIN <sup>-1</sup>  |

| EMISSION CONTROL INFORMATION                                                                                                                                                                                                                |                 |                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|--|
| MOTORENFABRIK HATZ KG · D-94099 RUHSTORF                                                                                                                                                                                                    |                 |                     |  |
| ENG.FAM.                                                                                                                                                                                                                                    | MADE IN GERMANY | min <sup>3</sup> /H |  |
| TYPE / SPEC. / FDT                                                                                                                                                                                                                          |                 |                     |  |
| ①                                                                                                                                                                                                                                           | SERIAL NO.      |                     |  |
| ②                                                                                                                                                                                                                                           | Liter / PV      |                     |  |
| ③                                                                                                                                                                                                                                           | NH / kW         | BUILD DATE          |  |
| This engine conforms to MIN U.S. EPA regulations large nonroad compression-ignition engines and MY California regulation for off-road compression-ignition engines. Refer to Owner's manual for maintenance specifications and adjustments. |                 |                     |  |
| EC-TYPE NO.                                                                                                                                                                                                                                 |                 |                     |  |
| CONSTANT-SPEED ONLY VARIABLE SPEED                                                                                                                                                                                                          |                 |                     |  |

Nearest HATZ service station:

Nächste HATZ-Servicestelle:

Station-service HATZ la plus proche:

Servicio HATZ más cercano:

Più vicino centro di servizio HATZ:

[www.hatz-diesel.com](http://www.hatz-diesel.com)

Spare parts list no./ Ersatzteilliste Nr./ Liste des pièces de rechange no./ Lista de repuestos No./ Lista ricambi n.

**1 B 20.34 EPA IV final □ (100 34 .. ..)**  
**1 B 20R.13 EPA IV final □ (144 13 .. ..)**  
**1 B 27.13 EPA IV final □ (125 13 .. ..)**  
**1 B 30.29 EPA IV final □ (101 29 .. ..)**

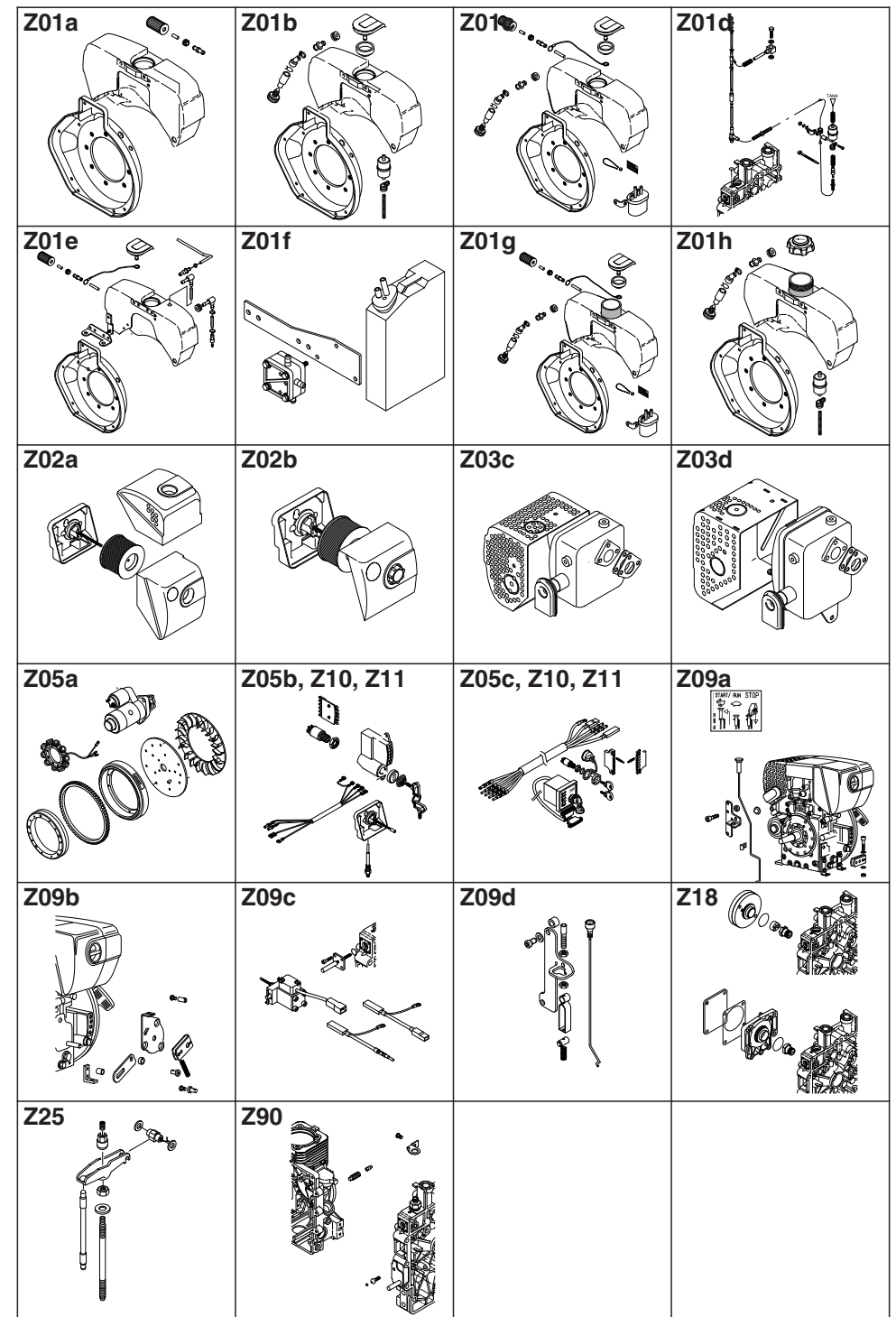
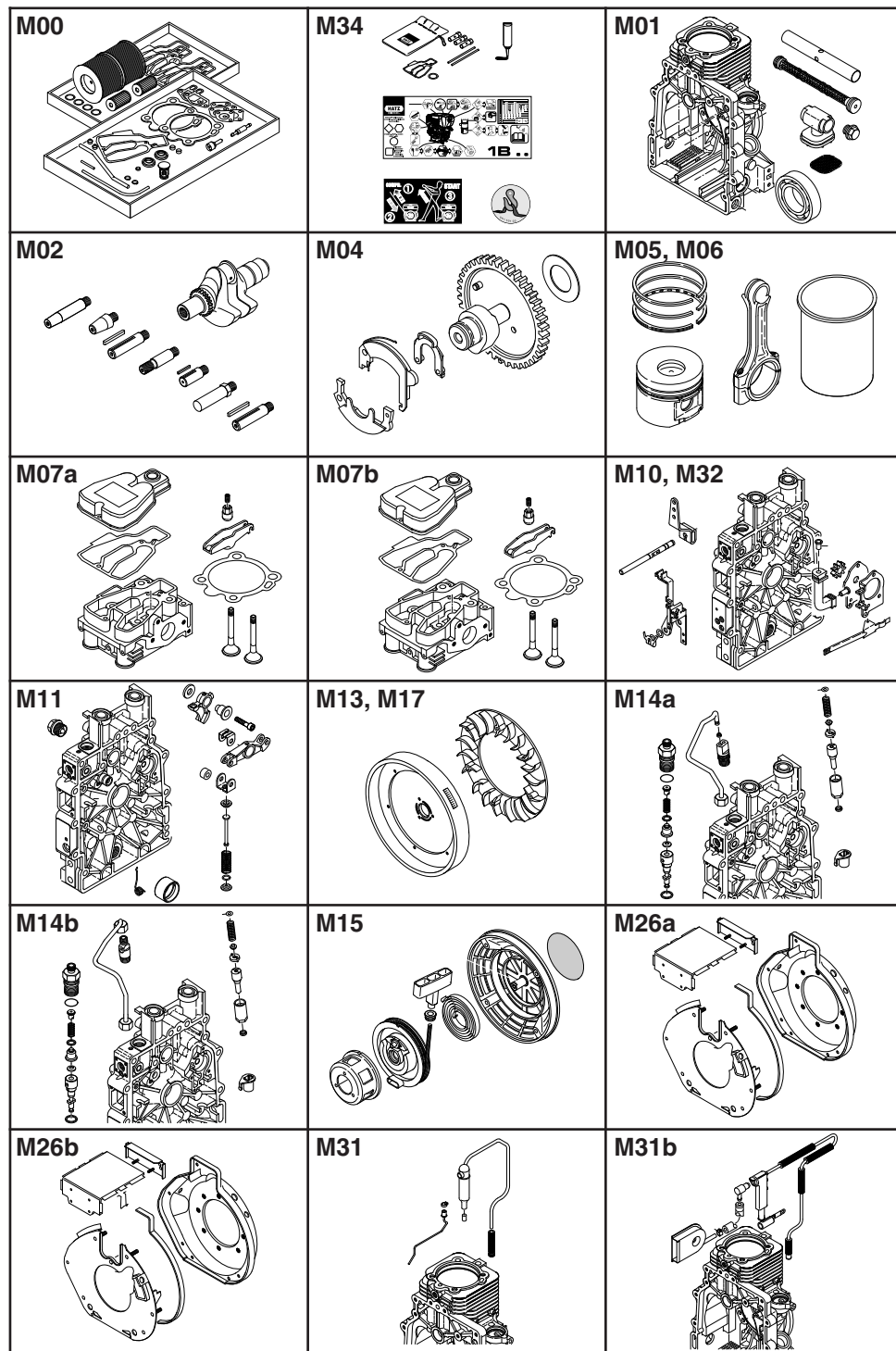
Example: / Beispiel: / Exemple: / Ejemplo: / Esempio: **100 34 14 123456**

**Engine type No. | Engine series | Prod. year | Consecutively number**

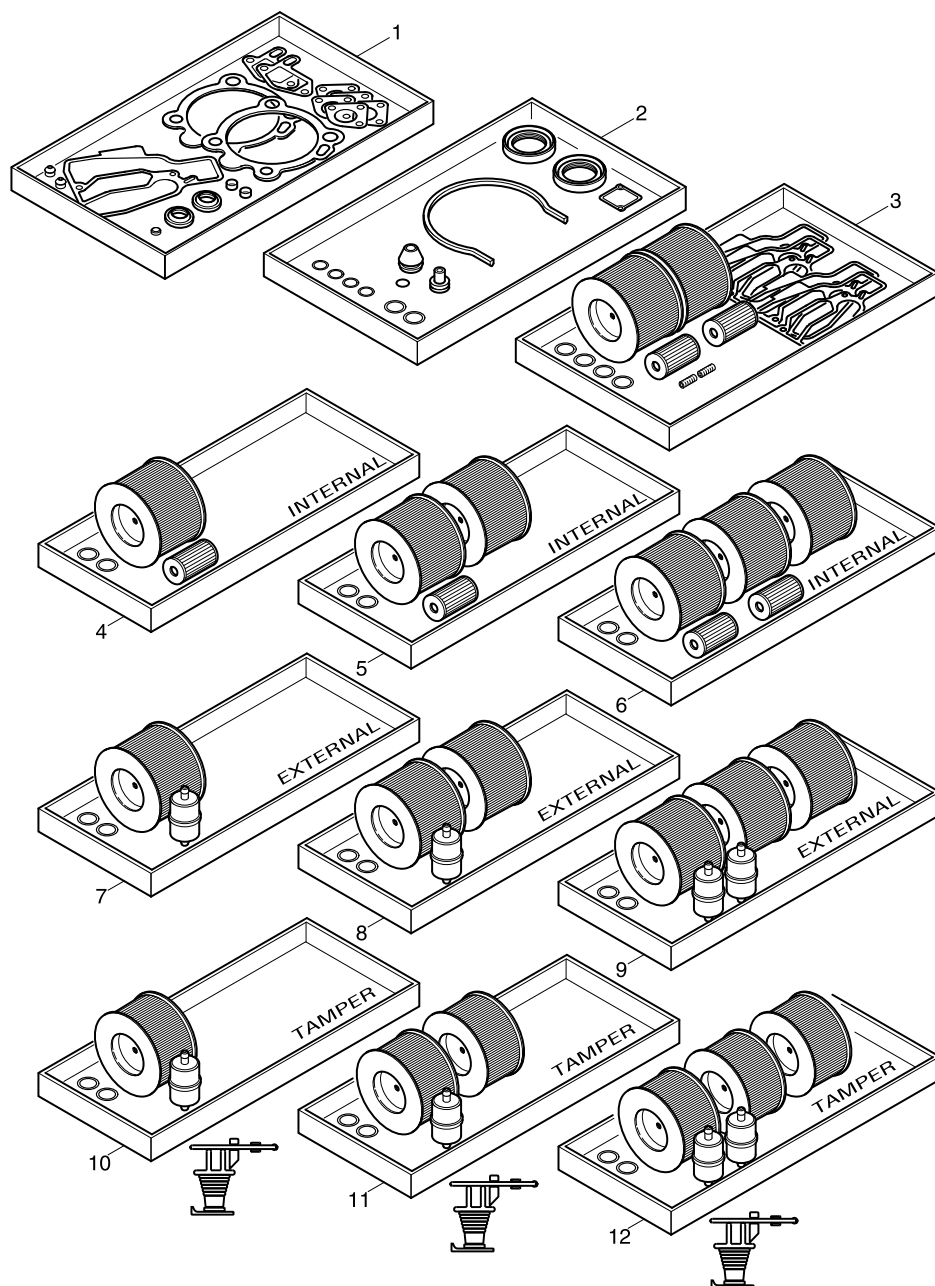
Always have service work performed by qualified specialists. To this effect, we recommend that you consult one of the 500 **HATZ service stations**. There, your engine is repaired by staff who constantly undergo training and who use both **original HATZ spare parts** and **HATZ tools**. The installation of inappropriate spare parts may cause problems. We cannot accept any liability for damage or consequential damage resulting therefrom. Thus, we recommend that you use **original HATZ spare parts**. These parts are manufactured following the strict **HATZ** specifications and ensure, thanks to their perfect fit and function, maximum operating reliability.

Lassen Sie Service-Arbeiten immer von qualifiziertem Fachpersonal durchführen. Wir empfehlen Ihnen hierfür eine von über 500 **HATZ-Servicestationen**. Dort wird Ihr Motor von laufend geschultem Personal, mit **Original HATZ-Ersatzteilen** und mit **HATZ-Werkzeug** instandgesetzt. Der Einbau von ungeeigneten Ersatzteilen kann zu Problemen führen. Für Schäden oder Folgeschäden, die daraus entstehen, können wir keine Haftung übernehmen. Wir empfehlen deshalb die Verwendung von **Original HATZ-Ersatzteilen**. Diese Teile sind nach den strengen **HATZ**-Spezifikationen gefertigt und sorgen durch ihre perfekte Passform und Funktion für höchste Betriebssicherheit.

Toujours faire effectuer les travaux de service après-vente par un personnel qualifié. Nous vous conseillons de contacter un des 500 **ateliers agréés HATZ**. Votre moteur y sera réparé par un personnel formé régulièrement et utilisant des **pièces de rechange d'origine HATZ** et l'**outillage HATZ**. Le montage de pièces de rechange adaptables peut entraîner des problèmes. Nous n'assumons aucune responsabilité pour des dommages directs ou indirects qui en découlent. Pour cette raison, nous vous recommandons l'utilisation des **pièces de rechange d'origine HATZ**. Ces pièces sont usinées selon les spécifications sévères **HATZ** et grâce à l'adaptation et le fonctionnement parfaits elles garantissent un maximum de sécurité de fonctionnement.

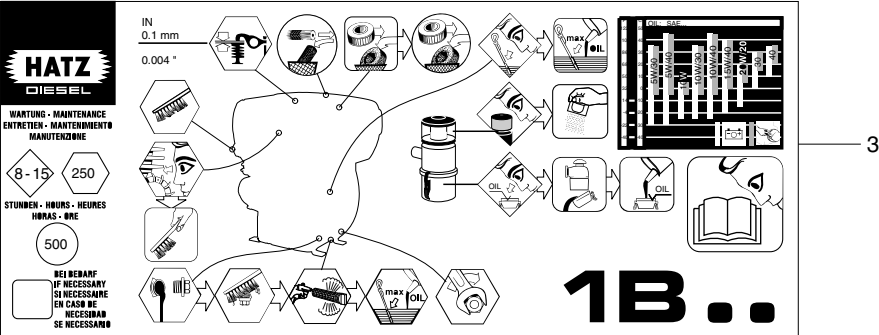
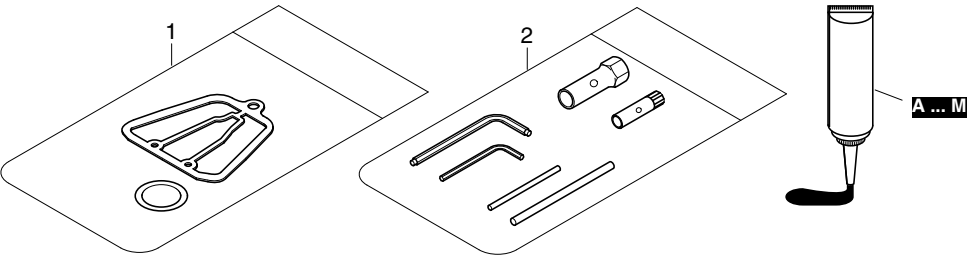


Spare parts kits  
Ersatzteilsätze  
Jeux de pièces de rechange  
Juegos de piezas de recambios  
Serie guarnizioni



| Fig.-<br>No.                                                                                                                                                                                                                       | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|-----------------|----------------|----------------|------------|------------------------------------|
|                                                                                                                                                                                                                                    |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                    |
| W: Incl. in maintenance kit.<br>Im Wartungssatz enthalten.<br>Contenu dans le jeu d'entretien.<br>Incluido en el juego de mantenimiento.<br>Contenuto nella serie manutenzione.                                                    |                   |                |                 |                |                |            |                                    |
| D: Incl. in gasket set crankcase.<br>Im Dichtungssatz Kurbelgeh.<br>Contenu dans le jeu de joints carter moteur.<br>Incluido en el juego de juntas caja cigüeñal.<br>Contenuto nella serie guarnizioni basamento.                  |                   |                |                 |                |                |            |                                    |
| d: Incl. in gasket set f. 1 cyl. head.<br>Im Dichtungssatz f. 1 Zyl.-Kopf enthalten.<br>Contenu dans le jeu de joint p. 1 culasse.<br>Incluido en el juego de juntas p. 1 culata.<br>Contenuto nella serie guarnizioni p. 1 testa. |                   |                |                 |                |                |            |                                    |
| 1                                                                                                                                                                                                                                  | 0000 015 541 01   | 1              | 1               | -              | -              |            | Gasket set for 1 cyl. head         |
| 1                                                                                                                                                                                                                                  | 0000 019 802 01   | -              | -               | 1              | -              |            | Dichtungssatz für 1 Zylinderkopf   |
| 1                                                                                                                                                                                                                                  | 0000 015 822 11   | -              | -               | -              | 1              |            | Jeu de joint p. 1 culasse          |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Juego de juntas para 1 culata      |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Serie guarnizioni per 1 testa      |
| 2                                                                                                                                                                                                                                  | 0000 015 542 04   | 1              | 1               | 1              | -              |            | Gasket set for crankcase           |
| 2                                                                                                                                                                                                                                  | 0000 015 823 05   | -              | -               | -              | 1              |            | Dichtungssatz für Kurbelgehäuse    |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Jeu de joints p. carter moteur     |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Juego de juntas para caja cigüeñal |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Serie guarnizioni basamento        |
| 3                                                                                                                                                                                                                                  | 0000 015 543 10   | 1              | 1               | 1              | -              |            | 1000 hours maintenance kit         |
| 3                                                                                                                                                                                                                                  | 0000 015 824 20   | -              | -               | -              | 1              |            | Wartungssatz für 1000 h            |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Kit d'entretien 1000 heures -      |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Juego de piezas para servicio      |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | 1C 1000 horas                      |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Kit di manutenzione a 1000 ore     |
| 4                                                                                                                                                                                                                                  | 0000 022 654 00   | 1              | 1               | 1              | 1              |            | Filter program "INTERNAL"          |
| 5                                                                                                                                                                                                                                  | 0000 022 679 00   | 1              | 1               | 1              | 1              |            | Filterprogramm "INTERN"            |
| 6                                                                                                                                                                                                                                  | 0000 022 690 00   | 1              | 1               | 1              | 1              |            | Progr. de filtr. "INTERNE"         |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Progr. de filtros "INTERN"         |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Programma di filtro "INTERNO"      |
| 7                                                                                                                                                                                                                                  | 0000 022 655 00   | 1              | 1               | 1              | 1              |            | Filter program "EXTERNAL"          |
| 8                                                                                                                                                                                                                                  | 0000 022 680 00   | 1              | 1               | 1              | 1              |            | Filterprogramm "EXTERN"            |
| 9                                                                                                                                                                                                                                  | 0000 022 691 00   | 1              | 1               | 1              | 1              |            | Progr. de filtr. "EXTERNE"         |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Progr. de filtros "EXTERNO"        |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Programma di filtro "ESTERNO"      |
| 10                                                                                                                                                                                                                                 | 0000 022 677 00   | 1              | 1               | -              | -              |            | Filter program "RAMMER"            |
| 11                                                                                                                                                                                                                                 | 0000 022 681 00   | 1              | 1               | -              | -              |            | Filterprogramm "STAMPFER"          |
| 12                                                                                                                                                                                                                                 | 0000 022 692 00   | 1              | 1               | -              | -              |            | Progr. de filtr. "PILONNEUSE"      |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Progr. de filtros "PISON"          |
|                                                                                                                                                                                                                                    |                   |                |                 |                |                |            | Prog. di filtro "MAZZAPICCHIO"     |

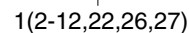
Accessories  
Zubehör  
Accessoires  
Accessorios  
Kit accessori



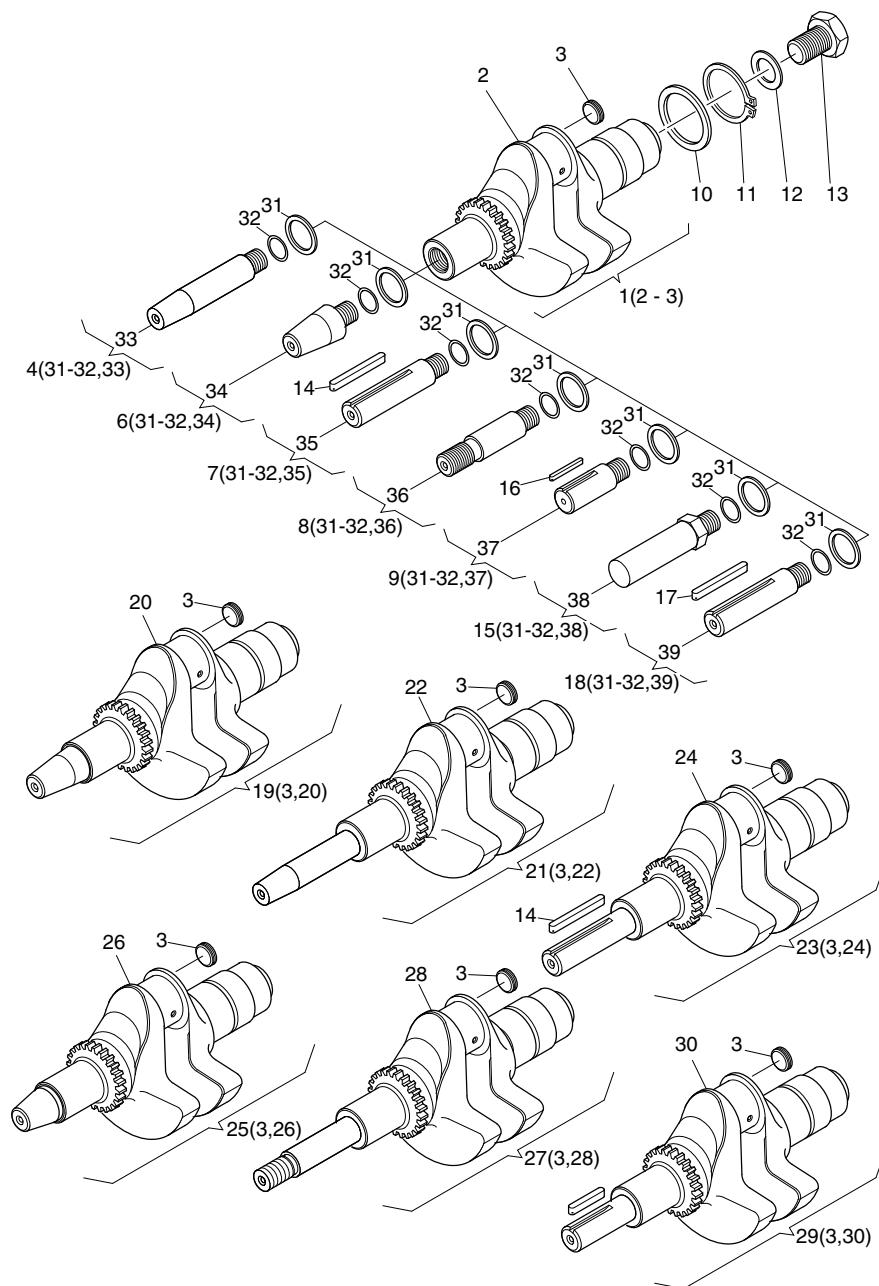
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen                  |
|--------------|-------------------|----------------|-----------------|----------------|----------------|------------|---------------------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                       |
| 1            | 0000 013 310 02   | 1              | 1               | 1              | -              |            | Zubehörsatz - Accessoires kit         |
| 1            | 0000 015 787 10   | -              | -               | -              | 1              |            |                                       |
| 2            | 0000 013 309 01   | 1              | 1               | 1              | 1              |            | Werkzeugsatz - Tool set<br>160 x 67mm |
| 3            | 0000 051 104 06   | 1              | 1               | 1              | 1              |            |                                       |
| 4            | 0000 051 300 02   | 1              | 1               | 1              | 1              |            |                                       |

| Sealing- and bonding adhesives<br>Dicht- und Klebstoffe<br>Etanchéifiant et Colle |                     |         | Materias para empaquetar y pegar<br>Adesivi e collanti                                 |  |
|-----------------------------------------------------------------------------------|---------------------|---------|----------------------------------------------------------------------------------------|--|
| A = 0000 502 230 01                                                               | Loctite Activator N | 500 ml  | as specified in the individual tables<br>siehe Hinweis auf den einzelnen<br>Bildtafeln |  |
| B = 0000 502 231 01                                                               | Loctite 574         | 50 ml   |                                                                                        |  |
| C = 0000 502 232 00                                                               | Loctite 601         | 50 ml   |                                                                                        |  |
| D = 0000 700 189 18                                                               | Loctite 243         | 50 ml   |                                                                                        |  |
| E = 0000 502 234 00                                                               | Loctite 648         | 10 ml   |                                                                                        |  |
| F = 0000 502 238 00                                                               | Technicoll 8058     | 0,75 kg | suivant les remarques sur les<br>tableau correspondant                                 |  |
| + 0000 502 239 00                                                                 | Technicoll 8367     | 0,75 kg |                                                                                        |  |
| G = 0000 502 565 01                                                               | Loctite IS 407      | 20 g    | según las indicaciones de las<br>tablas correspondientes                               |  |
| H = 0000 700 189 44                                                               | Silicon             | 310 ml  |                                                                                        |  |
| J = 0000 502 830 04                                                               | Hochtemp. Paste     | 100 ml  |                                                                                        |  |
| K = 0000 503 426 01                                                               | Hochtemp. Fett      | 400 g   | seguire le indicazioni sul<br>quadro corrispondente                                    |  |
| L = 0000 502 566 00                                                               | Silicon sealer      | 100 g   |                                                                                        |  |
| M = 0000 504 851 00                                                               | Schleifpaste        | 80 g    |                                                                                        |  |

Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore

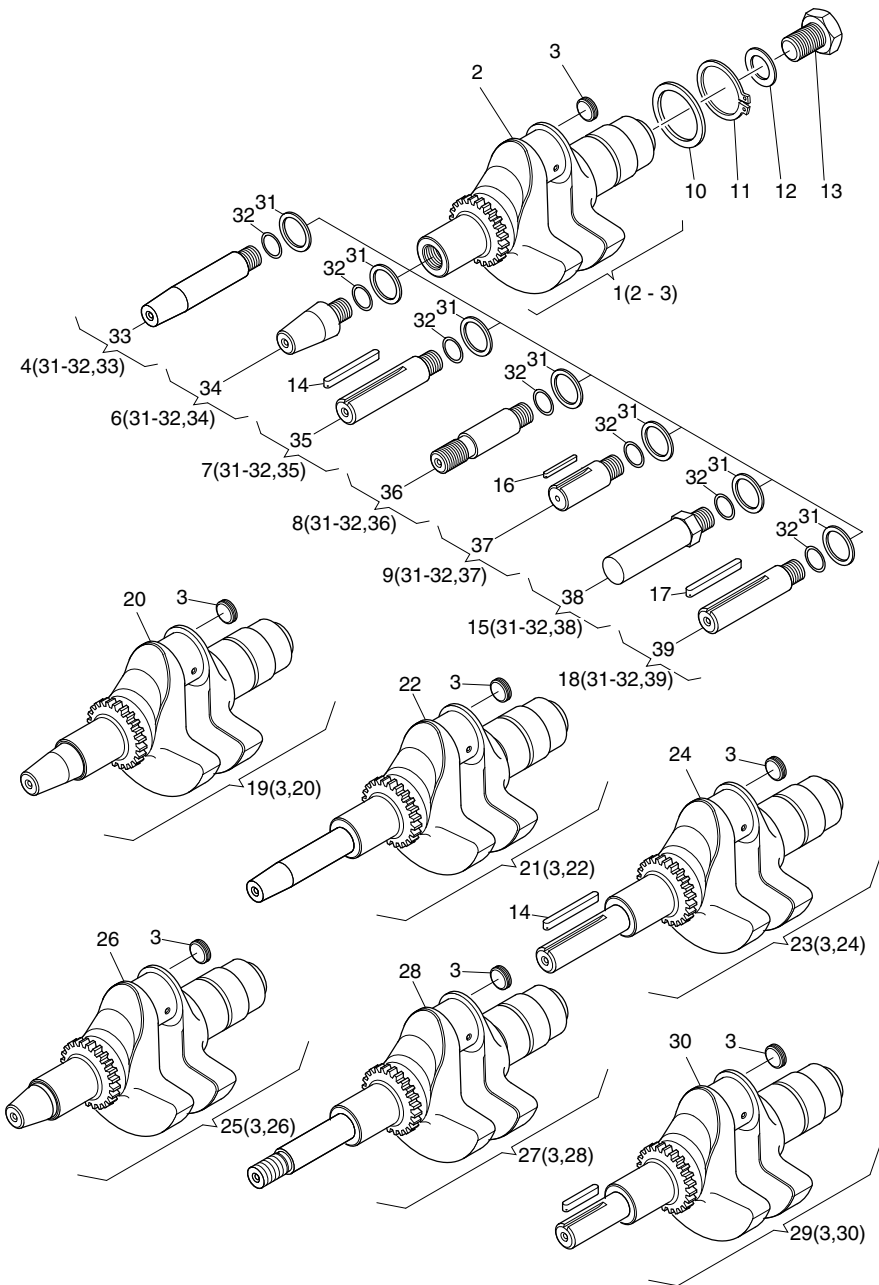
9

Crankshaft  
Kurbelwelle  
Vilebrequin  
Cigueñal  
Albero a gomito



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|---------------------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 1            | 0000 <b>015 527 10</b> | 1              | -               | 1              | -              |            |                                 |
| 1            | 0000 <b>013 342 01</b> | -              | -               | -              | 1              |            |                                 |
| 2            | -----                  | -              | -               | -              | -              |            |                                 |
| 3            | 0000 <b>042 876 00</b> | 1              | 1               | 1              | 1              |            | 12                              |
| 4            | 0000 <b>013 252 02</b> | 1              | -               | -              | -              |            | Nr. 4 SAE Generator ø 19,8 mm   |
| 4            | 0000 <b>015 805 03</b> | -              | -               | -              | 1              |            | Nr. 4 SAE Generator ø 7/8"      |
| 6            | 0000 <b>013 246 02</b> | 1              | -               | -              | 1              |            | Nr. 6 ital. 23 keg., con.       |
| 6            | 0000 <b>015 953 02</b> | -              | -               | -              | 1              |            | keg., con. ø 25 f. Gen.         |
| 7            | 0000 <b>013 247 02</b> | 1              | -               | -              | -              |            | Nr. 7 - ø 3/4" zyl., cil.       |
| 7            | 0000 <b>015 807 04</b> | -              | -               | -              | 1              |            | Nr. 2 - ø 1" zyl., cil.         |
| 8            | 0000 <b>013 248 02</b> | 1              | -               | -              | -              |            | Nr. 8 SAE 3/4" - 16 UNF 2A      |
| 8            | 0000 <b>015 808 05</b> | -              | -               | -              | 1              |            | Nr. 1 - SAE ø 1" - 14 UNS 2A    |
| 9            | 0000 <b>013 249 02</b> | 1              | -               | -              | -              |            | ø 20 zyl., cil.                 |
| 9            | 0000 <b>015 806 02</b> | -              | -               | -              | 1              |            | ø 25 zyl., cil.                 |
| 10           | 0000 <b>400 325 00</b> | 1              | 1               | 1              | -              |            | 40 x 50 x 2,5 DIN 988           |
| 10           | 0000 <b>400 656 00</b> | -              | -               | -              | 1              |            | 45 x 55 x 3,0                   |
| 11           | 0000 <b>501 206 00</b> | 1              | 1               | 1              | -              |            | A 40 x 1,75 DIN 471             |
| 11           | 0000 <b>500 216 00</b> | -              | -               | -              | 1              |            | A 45 x 1,75 DIN 471             |
| 12           | 0000 <b>041 142 01</b> | 1              | 1               | 1              | 1              |            | 18,5 x 37 x 5                   |
| 13           | 0000 <b>504 436 00</b> | 1              | 1               | 1              | 1              |            | M 18 x 1,5 x 55 DIN 961 - 10.9  |
| 14           | 0000 <b>041 204 00</b> | 1              | -               | -              | -              |            | 4,75 x 30                       |
| 14           | 0000 <b>051 416 00</b> | -              | -               | -              | 1              |            | A 6,35 x 61                     |
| 15           | 0000 <b>015 540 02</b> | 1              | -               | -              | 1              |            | SW 27 mm, ø 26,8 mm             |
| 16           | 0000 <b>504 634 00</b> | 1              | -               | -              | -              |            | A 5 x 5 x 36 DIN 6885           |
| 16           | 0000 <b>504 737 00</b> | -              | -               | -              | 1              |            | 7 x 8 x 45 DIN 6885             |
| 17           | 0000 <b>504 634 00</b> | 1              | -               | -              | 1              |            | A 5 x 5 x 36 DIN 6885           |
| 18           | 0000 <b>013 491 02</b> | 1              | -               | -              | 1              |            | ø 22,2 zyl., cil.               |
| 19           | 0000 <b>015 523 10</b> | 1              | 1               | 1              | -              |            | Nr. 6 ital. 23 keg., con.       |
| 19           | 0000 <b>013 339 01</b> | -              | -               | -              | 1              |            | Nr. 6 ital. 23 keg., con.       |
| 20           | -----                  | -              | -               | -              | -              |            |                                 |
| 21           | 0000 <b>015 524 10</b> | 1              | -               | 1              | -              |            | Nr. 4 SAE Generator ø 19,8 mm   |
| 21           | 0000 <b>013 299 01</b> | -              | -               | -              | 1              |            | Nr. 4 SAE Generator ø 7/8"      |
| 21           | 0000 <b>019 959 00</b> | -              | -               | -              | 1              |            | Nr.14 SAE 25,4                  |
| 22           | -----                  | -              | -               | -              | -              |            |                                 |
| 23           | 0000 <b>015 525 10</b> | 1              | -               | 1              | -              |            | Nr. 7 ø 3/4" zyl., cil.         |
| 23           | 0000 <b>013 341 11</b> | -              | -               | -              | 1              |            | Nr.2 ø1"zyl., cil.              |
| 24           | -----                  | -              | -               | -              | -              |            |                                 |
| 25           | 0000 <b>018 517 10</b> | 1              | -               | -              | -              |            | Nr. 3 keg., con. ø25 mm f. Gen. |
| 25           | 0000 <b>018 609 10</b> | -              | -               | 1              | -              |            | Nr. 3 keg., con. ø26 mm f. Gen. |
| 25           | 0000 <b>018 855 00</b> | -              | -               | -              | 1              |            | Nr. 3 keg., con. ø30 mm f. Gen. |
| 26           | -----                  | -              | -               | -              | -              |            |                                 |
| 27           | 0000 <b>018 800 10</b> | 1              | -               | -              | -              |            | Nr. 5 ø20 zyl., cil. M 18 x 1,5 |
| 27           | 0000 <b>018 866 10</b> | -              | -               | 1              | -              |            | Nr. 5 ø25 zyl., cil. M 18 x 1,5 |
| 27           | 0000 <b>018 559 00</b> | -              | -               | -              | 1              |            | Nr. 5 ø25 zyl., cil. M 20 x 1,5 |
| 28           | -----                  | -              | -               | -              | -              |            |                                 |

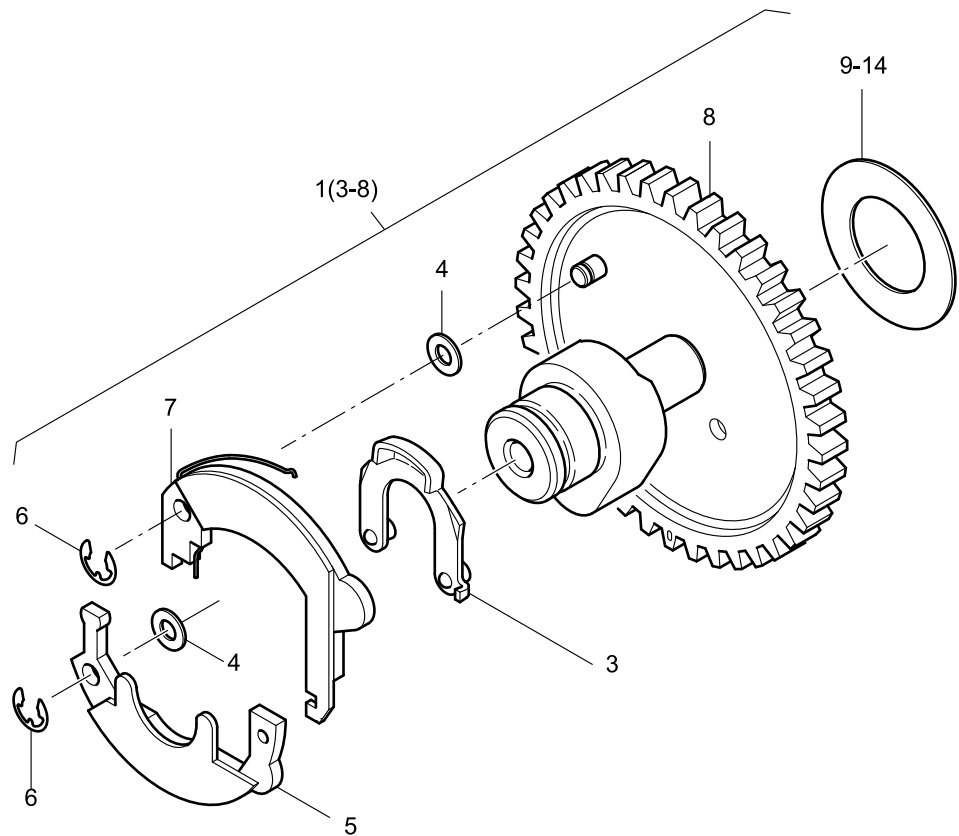
Crankshaft  
Kurbelwelle  
Vilebrequin  
Cigüeñal  
Albero a gomito



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                      |
| 29           | 0000 <b>018 527 10</b> | 1              | -               | -              | -              |            | Nr. 9 ø20 zyl., cil. |
| 29           | 0000 <b>018 865 10</b> | -              | -               | 1              | -              |            | Nr. 9 ø25 zyl., cil. |
| 29           | 0000 <b>018 560 00</b> | -              | -               | -              | 1              |            | Nr. 9 ø25 zyl., cil. |
| 30           | -----                  | -              | -               | -              | -              |            |                      |
| 31           | 0000 <b>052 943 00</b> | 1              | 1               | 1              | 1              |            | 23,3 x 30 x 1,75     |
| 32           | 0000 <b>506 081 00</b> | 1              | 1               | 1              | 1              |            | 18 x 1,5             |
| 33           | -----                  | -              | -               | -              | -              |            |                      |
| 34           | -----                  | -              | -               | -              | -              |            |                      |
| 35           | -----                  | -              | -               | -              | -              |            |                      |
| 36           | -----                  | -              | -               | -              | -              |            |                      |
| 37           | -----                  | -              | -               | -              | -              |            |                      |
| 38           | -----                  | -              | -               | -              | -              |            |                      |
| 39           | -----                  | -              | -               | -              | -              |            |                      |

M04

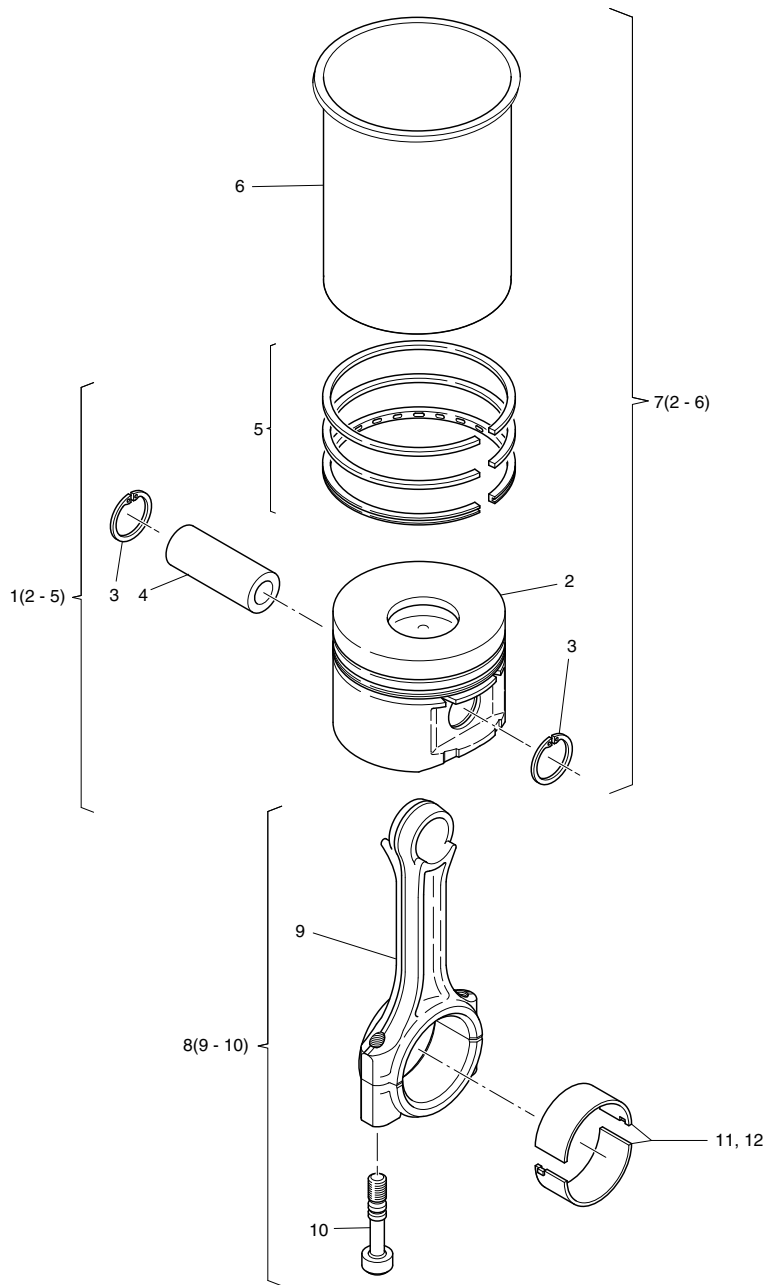
Camshaft  
Nockenwelle  
Arbre à cames  
Arbol de levas  
Albero a camme



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                      |
| 1            | 0000 <b>015 035 23</b> | 1              | 1               | 1              | 1              |            |                      |
| 3            | 0000 <b>013 264 01</b> | 1              | 1               | 1              | 1              |            |                      |
| 4            | 0000 <b>501 232 00</b> | 2              | 2               | 2              | 2              |            | 5 x 10 x 0,5 DIN 988 |
| 5            | 0000 <b>013 266 00</b> | 1              | 1               | 1              | 1              |            |                      |
| 6            | 0000 <b>502 553 00</b> | 2              | 2               | 2              | 2              |            | 3,2 DIN 6799         |
| 7            | 0000 <b>013 265 01</b> | 1              | 1               | 1              | 1              |            |                      |
| 8            | -----                  | -              | -               | -              | -              |            |                      |
| 9            | 0000 <b>041 217 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 0,9 mm 23 x 38 x 0,9 |
| 10           | 0000 <b>041 121 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,0 mm 23 x 38 x 1,0 |
| 11           | 0000 <b>041 122 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,1 mm 23 x 38 x 1,1 |
| 12           | 0000 <b>041 123 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,2 mm 23 x 38 x 1,2 |
| 13           | 0000 <b>041 251 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,3 mm 23 x 38 x 1,3 |
| 14           | 0000 <b>041 252 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,4 mm 23 x 38 x 1,4 |

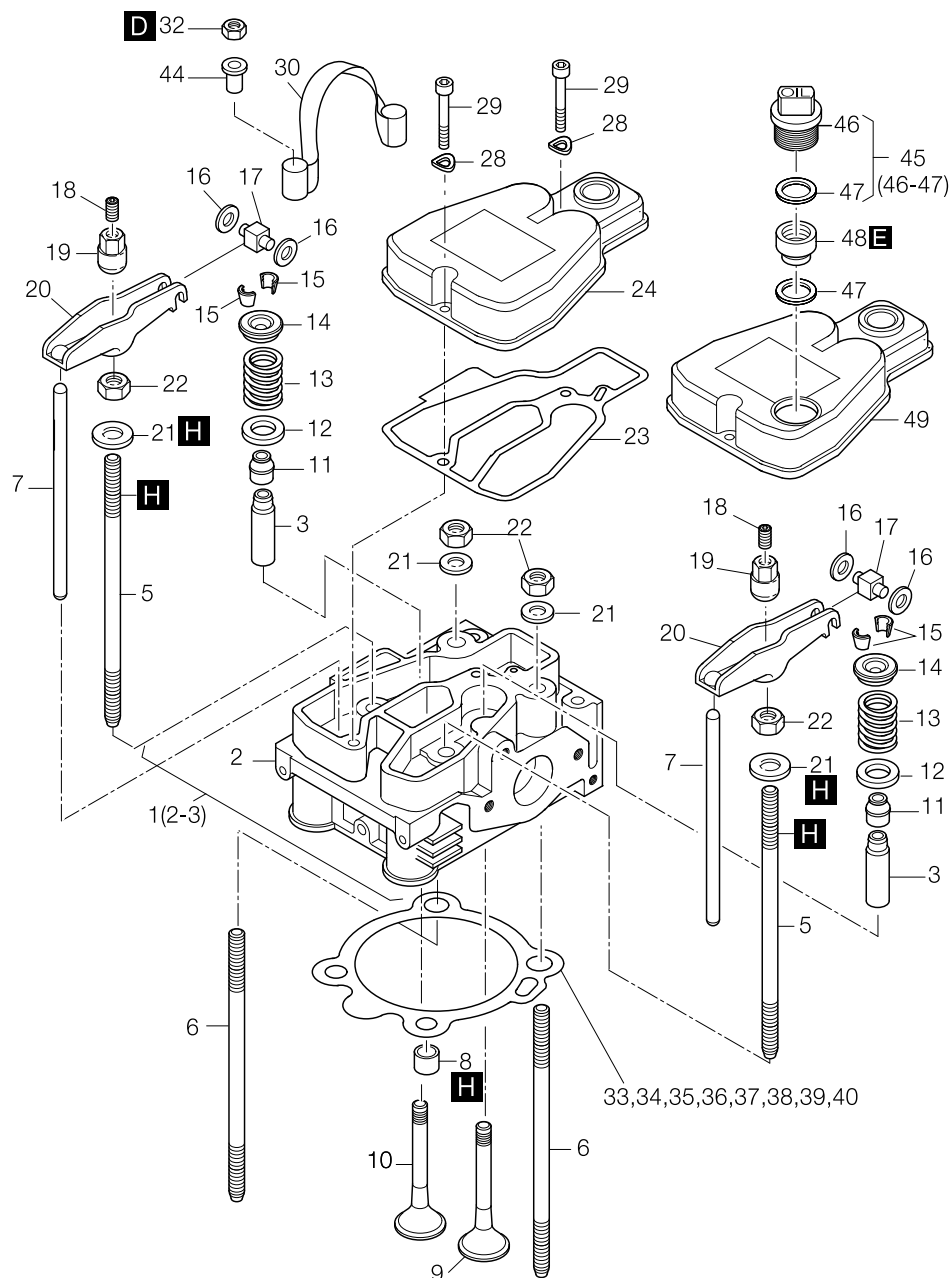
M05, M06

Piston, conrod, cylinder  
Kolben, Pleuel, Zylinder  
Piston, bielle, cylindre  
Embolo, biela, cilindro  
Pistone, biella, cilindro



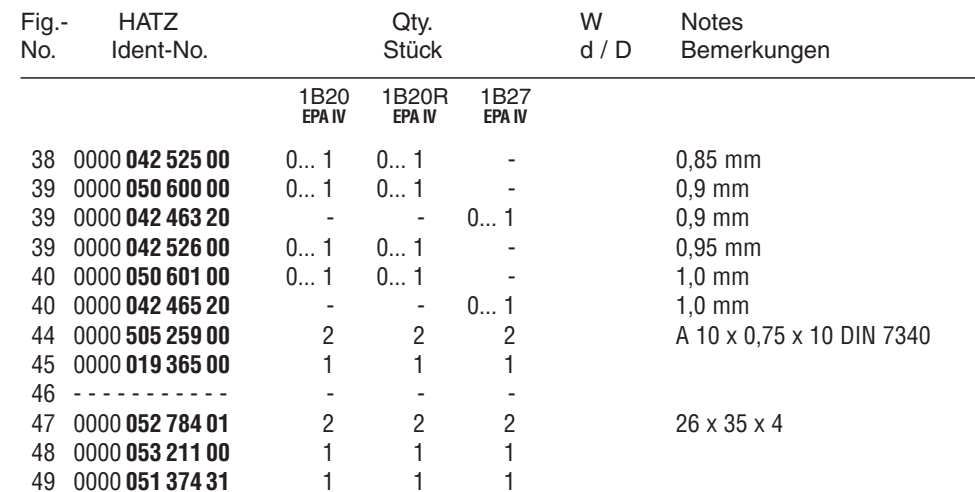
| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                      |
| 1            | 0000 <b>013 481 30</b> | 1              | 1               | -              | -              |            | 69 mm Hub 65mm       |
| 1            | 0000 <b>013 879 00</b> | -              | -               | 1              | -              |            | 74 mm                |
| 1            | 0000 <b>013 906 20</b> | -              | -               | -              | 1              |            | 80 mm                |
| 2            | -----                  | -              | -               | -              | -              |            |                      |
| 3            | 0000 <b>504 255 00</b> | 2              | 2               | 2              | -              |            | 18 x 1 DIN 472       |
| 3            | 0000 <b>504 640 00</b> | -              | -               | -              | 2              |            |                      |
| 4            | -----                  | -              | -               | -              | -              |            |                      |
| 5            | 0000 <b>013 480 00</b> | 1              | 1               | -              | -              |            | 1,5-1,5-3,0mm        |
| 5            | 0000 <b>013 907 00</b> | -              | -               | -              | 1              |            |                      |
| 6            | -----                  | -              | -               | -              | -              |            |                      |
| 7            | 0000 <b>015 545 30</b> | 1              | 1               | -              | -              |            | Hub 65mm             |
| 7            | 0000 <b>015 826 20</b> | -              | -               | -              | 1              |            |                      |
| 8            | 0000 <b>015 001 00</b> | 1              | 1               | 1              | -              |            |                      |
| 8            | 0000 <b>013 292 01</b> | -              | -               | -              | 1              |            |                      |
| 9            | -----                  | -              | -               | -              | -              |            |                      |
| 10           | 0000 <b>050 469 00</b> | 2              | 2               | 2              | -              |            |                      |
| 10           | 0000 <b>041 131 00</b> | -              | -               | -              | 2              |            |                      |
| 11           | 0000 <b>015 757 00</b> | 1              | 1               | 1              | -              |            |                      |
| 11           | 0000 <b>015 821 00</b> | -              | -               | -              | 1              |            |                      |
| 12           | 0000 <b>015 819 00</b> | 1              | 1               | 1              | -              |            | -0,5 mm              |
| 12           | 0000 <b>015 820 00</b> | -              | -               | -              | 1              |            | -0,5 mm              |

Cylinder head - 1B20 / 27  
 Zylinderkopf - 1B20 / 27  
 Culasse - 1B20 / 27  
 Culata - 1B20 / 27  
 Testa - 1B20 / 27



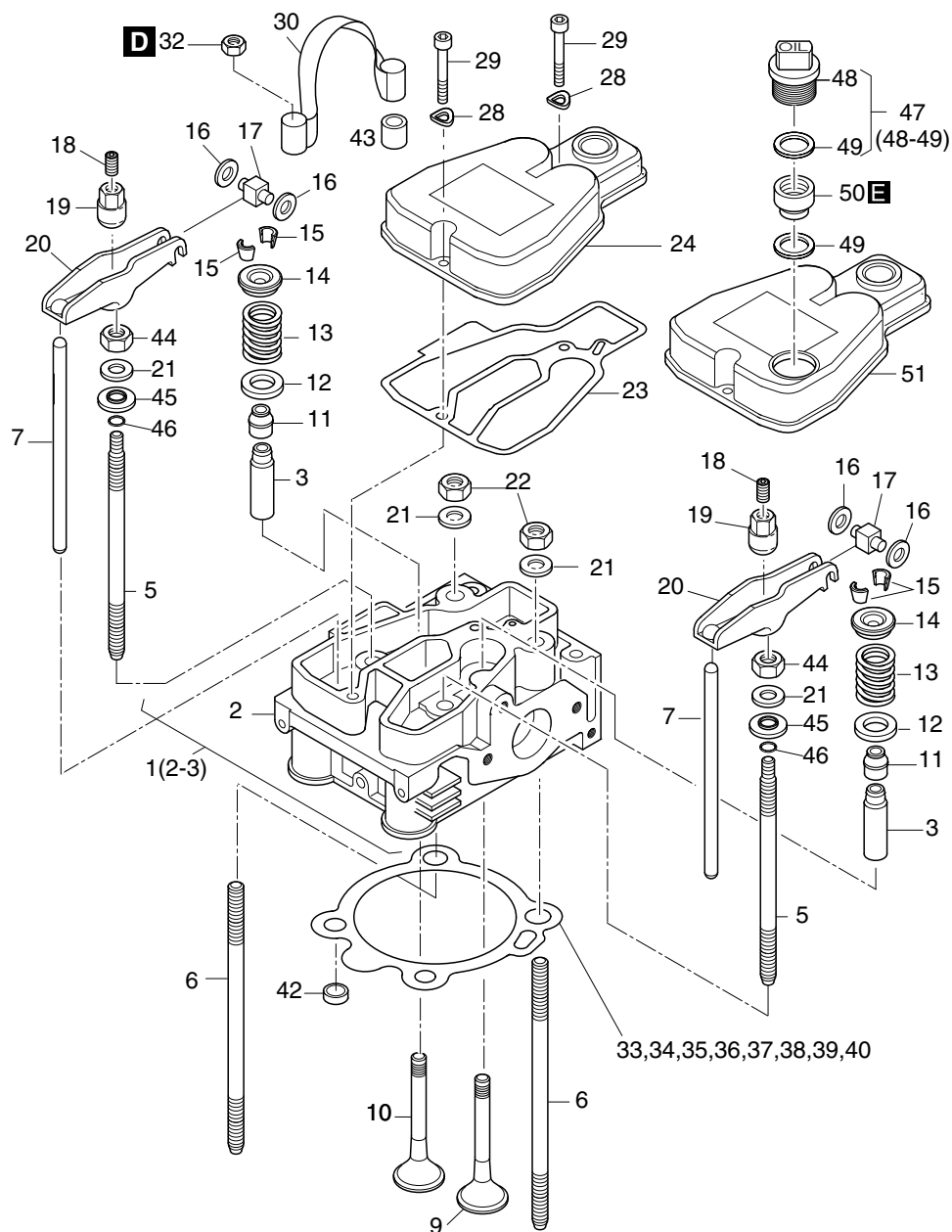
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|----------------|-----------------|----------------|------------|-------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV |            |                         |
| 1            | 0000 013 935 00   | 1              | 1               | 1              |            |                         |
| 2            | -----             | -              | -               | -              |            |                         |
| 3            | 0000 051 194 00   | 2              | 2               | 2              |            |                         |
| 5            | 0000 050 625 00   | 2              | 2               | -              |            | 128 mm                  |
| 5            | 0000 042 764 00   | -              | -               | 2              |            | 190 mm                  |
| 6            | 0000 050 625 00   | 2              | 2               | -              |            | 128 mm                  |
| 6            | 0000 042 765 00   | -              | -               | 2              |            | 205 mm                  |
| 7            | 0000 050 540 00   | 2              | 2               | 2              |            |                         |
| 8            | 0000 041 075 00   | 2              | 2               | 2              | d2         |                         |
| 9            | 0000 050 532 00   | 1              | 1               | 1              |            |                         |
| 10           | 0000 050 533 00   | 1              | 1               | 1              |            |                         |
| 11           | 0000 506 310 00   | 2              | 2               | 2              | d2         |                         |
| 12           | 0000 040 937 00   | 2              | 2               | 2              |            |                         |
| 13           | 0000 040 936 00   | 2              | 2               | 2              |            |                         |
| 14           | 0000 040 938 00   | 2              | 2               | 2              |            |                         |
| 15           | 0000 022 525 00   | 2              | 2               | 2              |            |                         |
| 16           | 0000 052 407 00   | 0... 4         | 0... 4          | 0... 4         |            | 6 x 12 x 1,35           |
| 16           | 0000 504 451 00   | 0... 4         | 0... 4          | 0... 4         |            | 6 x 12 x 1,2 DIN 988    |
| 17           | 0000 050 911 01   | 2              | 2               | 2              |            |                         |
| 18           | 0000 505 131 00   | 2              | 2               | 2              | W2         | M 8 x 10 DIN 916-45H    |
| 19           | 0000 050 547 00   | 2              | 2               | 2              |            |                         |
| 20           | 0000 050 509 02   | 2              | 2               | 2              |            |                         |
| 21           | 0000 050 612 01   | 4              | 4               | 4              |            | 8,1 x 20 x 3            |
| 22           | 0000 503 643 00   | 4              | 4               | 4              |            | M 8 DIN 934 - 10.9 A3C  |
| 23           | 0000 050 557 00   | 1              | 1               | 1              | d1, W4     |                         |
| 24           | 0000 050 473 21   | 1              | 1               | 1              |            |                         |
| 28           | 0000 500 812 00   | 2              | 2               | 2              |            | A 6 DIN 137 - A3C       |
| 29           | 0000 503 749 00   | 2              | 2               | 2              |            | M 6 x 35 DIN 912-8.8A3C |
| 30           | 0000 041 176 10   | 1              | 1               | 1              |            |                         |
| 32           | 0000 501 295 00   | 2              | 2               | 2              |            | M 8 DIN 985-8 A3C       |
| 33           | 0000 050 594 00   | 0... 1         | 0... 1          | -              |            | 0,3 mm                  |
| 33           | 0000 042 520 00   | 0... 1         | 0... 1          | -              |            | 0,35 mm                 |
| 34           | 0000 050 595 00   | 0... 1         | 0... 1          | -              |            | 0,4 mm                  |
| 34           | 0000 042 521 00   | 0... 1         | 0... 1          | -              |            | 0,45 mm                 |
| 35           | 0000 050 596 00   | 0... 1         | 0... 1          | -              | d1         | 0,5 mm                  |
| 35           | 0000 042 455 20   | -              | -               | 0... 1         | d1         | 0,5 mm                  |
| 35           | 0000 042 522 00   | 0... 1         | 0... 1          | -              |            | 0,55 mm                 |
| 36           | 0000 050 597 00   | 0... 1         | 0... 1          | -              | d1         | 0,6 mm                  |
| 36           | 0000 042 457 20   | -              | -               | 0... 1         | d1         | 0,6 mm                  |
| 36           | 0000 042 523 00   | 0... 1         | 0... 1          | -              |            | 0,65 mm                 |
| 37           | 0000 050 598 00   | 0... 1         | 0... 1          | -              | d1         | 0,7 mm                  |
| 37           | 0000 042 459 20   | -              | -               | 0... 1         | d1         | 0,7 mm                  |
| 37           | 0000 042 524 00   | 0... 1         | 0... 1          | -              |            | 0,75 mm                 |
| 38           | 0000 050 599 00   | 0... 1         | 0... 1          | -              |            | 0,8 mm                  |
| 38           | 0000 042 461 20   | -              | -               | 0... 1         |            | 0,8 mm                  |

Cylinder head - 1B20 / 27  
Zylinderkopf - 1B20 / 27  
Culasse - 1B20 / 27  
Culata - 1B20 / 27  
Testa - 1B20 / 27



# M07b

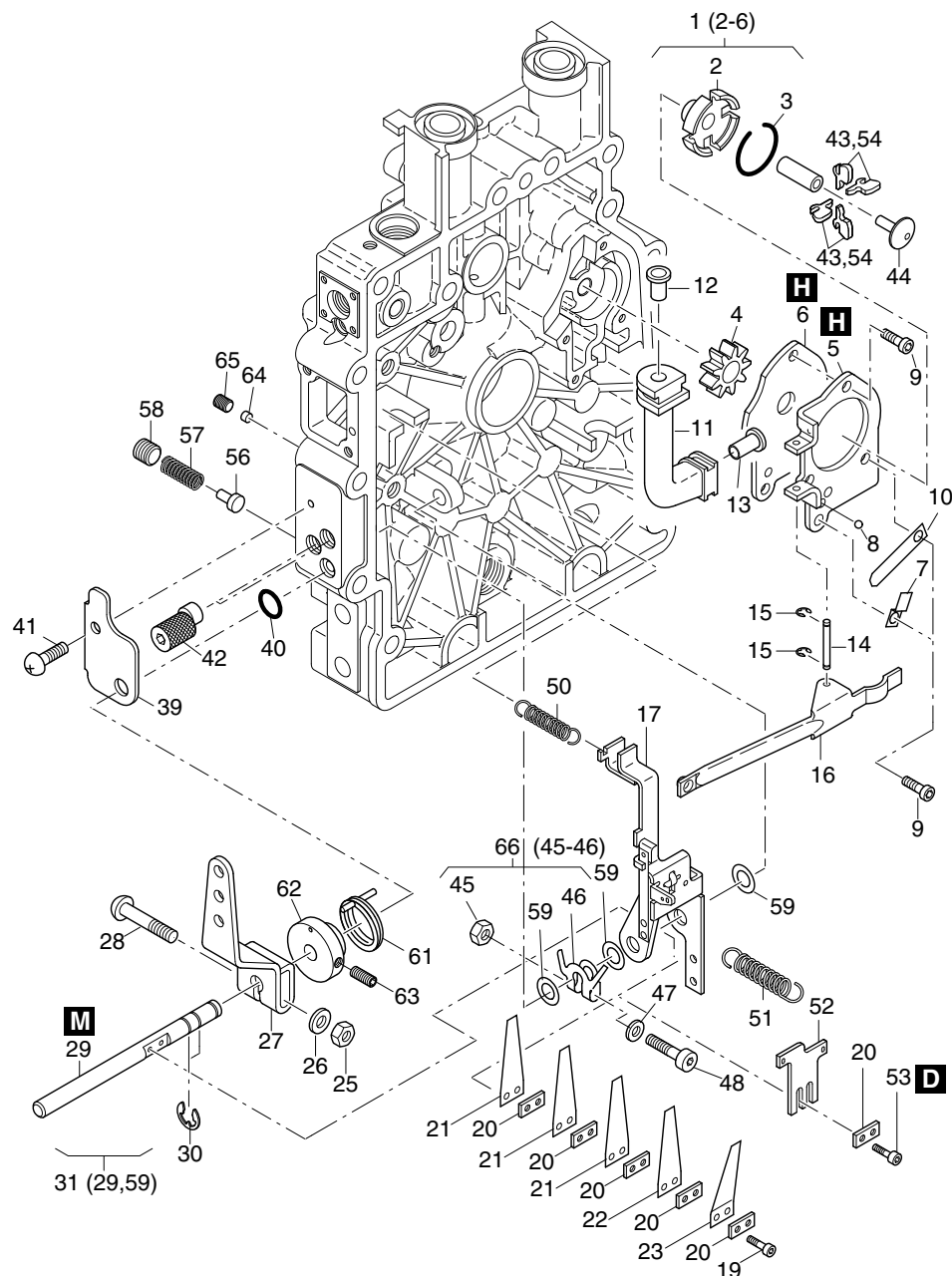
Cylinder head - 1B30  
Zylinderkopf - 1B30  
Culasse - 1B30  
Culata - 1B30  
Testa - 1B30



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|----------------|------------|-------------------------|
|              |                   | 1B30<br>EPA IV |            |                         |
| 1            | 0000 013 936 10   | 1              |            |                         |
| 2            | -----             | -              |            |                         |
| 3            | 0000 051 295 00   | 2              |            |                         |
| 5            | 0000 050 975 00   | 2              |            | 141 mm (M 10 - M 8)     |
| 6            | 0000 050 974 00   | 2              |            | 148 mm (M 10)           |
| 7            | 0000 050 989 00   | 2              |            | 174,8 mm                |
| 9            | 0000 050 930 00   | 1              |            |                         |
| 10           | 0000 050 931 00   | 1              |            |                         |
| 11           | 0000 506 310 00   | 2              | d2         |                         |
| 12           | 0000 040 937 00   | 2              |            |                         |
| 13           | 0000 041 135 00   | 2              |            |                         |
| 14           | 0000 040 938 00   | 2              |            |                         |
| 15           | 0000 022 525 00   | 2              |            |                         |
| 16           | 0000 052 407 00   | 0... 4         |            | 6 x 12 x 1,35           |
| 16           | 0000 504 451 00   | 0... 4         |            | 6 x 12 x 1,2 DIN 988    |
| 17           | 0000 050 911 01   | 2              |            |                         |
| 18           | 0000 505 131 00   | 2              |            | W2 M 8 x 10 DIN 916-45H |
| 19           | 0000 050 547 00   | 2              |            |                         |
| 20           | 0000 050 982 02   | 2              |            |                         |
| 21           | 0000 050 993 00   | 4              |            | 10,1 x 24 x 3           |
| 22           | 0000 503 966 00   | 2              |            | M 10 DIN 934-10 A3C     |
| 23           | 0000 050 933 10   | 1              | d1, W4     |                         |
| 24           | 0000 050 927 20   | 1              |            |                         |
| 28           | 0000 500 812 00   | 2              |            | A 6 DIN 137 - A3C       |
| 29           | 0000 503 749 00   | 2              |            | M 6 x 35 DIN 912-8.8A3C |
| 30           | 0000 041 177 01   | 1              |            |                         |
| 32           | 0000 500 238 00   | 2              |            | BM 10 DIN 439 - A3C     |
| 33           | 0000 050 963 01   | 0... 1         |            | 0,3 mm                  |
| 34           | 0000 050 964 01   | 0... 1         |            | 0,4 mm                  |
| 35           | 0000 050 965 01   | 0... 1         | d1         | 0,5 mm                  |
| 35           | 0000 042 488 00   | 0... 1         |            | 0,55 mm                 |
| 36           | 0000 050 966 01   | 0... 1         | d1         | 0,6 mm                  |
| 36           | 0000 042 489 00   | 0... 1         |            | 0,65 mm                 |
| 37           | 0000 050 967 01   | 0... 1         | d1         | 0,7 mm                  |
| 37           | 0000 042 490 00   | 0... 1         |            | 0,75 mm                 |
| 38           | 0000 050 968 01   | 0... 1         |            | 0,8 mm                  |
| 39           | 0000 050 969 01   | 0... 1         |            | 0,9 mm                  |
| 40           | 0000 050 970 01   | 0... 1         |            | 1,0 mm                  |
| 42           | 0000 042 290 00   | 2              | d2         | 10 x 11,5 x 4,5         |
| 43           | 0000 041 261 00   | 2              |            | (10 x 12 x 9)           |
| 44           | 0000 503 966 00   | 2              |            | M 10 DIN 934-10 A3C     |
| 45           | 0000 042 437 00   | 2              | d2         |                         |
| 46           | 0000 505 639 00   | 2              | d2         | 10x 2,5                 |
| 47           | 0000 019 365 00   | 1              |            |                         |
| 48           | -----             | -              |            |                         |
| 49           | 0000 052 784 01   | 2              |            | 26 x 35 x 4             |
| 50           | 0000 053 211 00   | 1              |            |                         |
| 51           | 0000 053 212 10   | 1              |            |                         |

# M10, M32

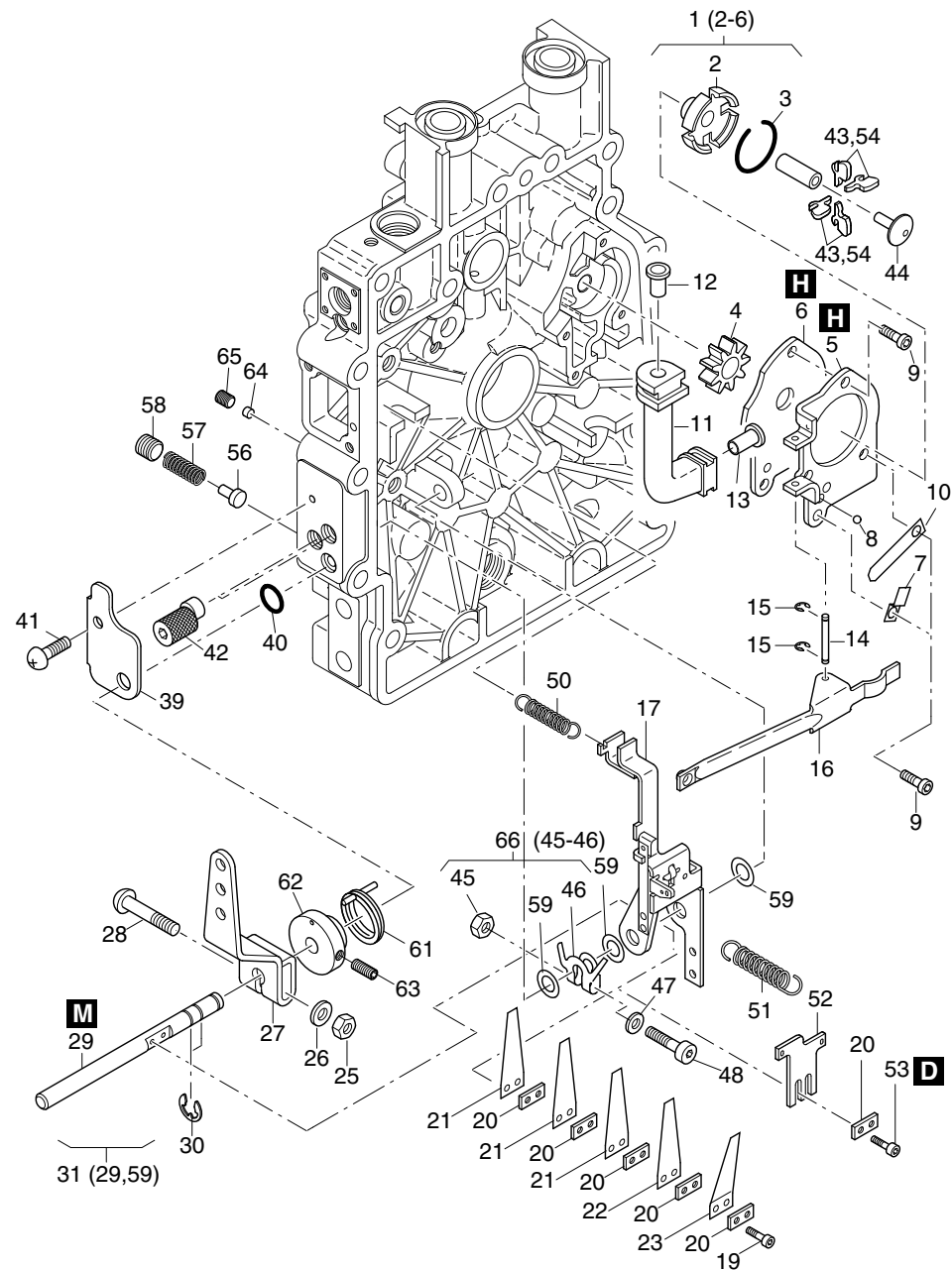
Oil pump, governor, speed control  
Ölpumpe, Regler, Drehzahlverstellung  
Pompe à huile, regulateur regime, réglage régime  
Bomba de aceite, regulador, ajuste de revoluciones  
Pompa olio, regolatore di giri, comando acceleratore



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|-------------------|----------------|-----------------|----------------|----------------|------------|-------------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                               |
| 1            | 0000 015 302 20   | 1              | 1               | 1              | 1              |            |                               |
| 2            | -----             | -              | -               | -              | -              |            |                               |
| 3            | 0000 042 109 10   | 1              | 1               | 1              | 1              |            |                               |
| 4            | -----             | -              | -               | -              | -              |            |                               |
| 5            | -----             | -              | -               | -              | -              |            |                               |
| 6            | -----             | -              | -               | -              | -              |            |                               |
| 7            | 0000 050 971 00   | 1              | 1               | 1              | 1              |            |                               |
| 8            | 0000 504 479 00   | 1              | 1               | 1              | 1              |            | 3,5mm KL. III                 |
| 9            | 0000 504 294 00   | 4              | 4               | 4              | 4              |            | M5 x 12 DIN 6912 - 8.8        |
| 10           | 0000 050 973 00   | 1              | 1               | 1              | 1              |            | 0,4 mm                        |
| 11           | 0000 041 029 00   | 1              | 1               | 1              | 1              |            |                               |
| 12           | 0000 504 474 00   | 1              | 1               | 1              | 1              |            | A8 x 0,5 x 12 DIN 7340 - St   |
| 13           | 0000 504 475 00   | 1              | 1               | 1              | 1              |            | A10 x 0,75 x 12 DIN 7340 - St |
| 14           | 0000 050 786 00   | 1              | 1               | 1              | 1              |            |                               |
| 15           | 0000 504 348 00   | 2              | 2               | 2              | 2              |            | 1,9 DIN 6799                  |
| 16           | 0000 050 794 01   | 1              | 1               | 1              | 1              |            |                               |
| 17           | 0000 015 304 04   | 1              | 1               | 1              | 1              |            |                               |
| 19           | 0000 504 350 00   | 2              | 2               | 2              | 2              |            | M 3 x 12 DIN 912-8.8          |
| 20           | 0000 050 798 00   | 1... 5         | 1... 5          | 1... 5         | 1... 5         |            |                               |
| 21           | 0000 051 316 00   | 1... 2         | 1... 2          | 1... 2         | 1... 3         |            | 0,2 mm Gen.-PV 78             |
| 21           | 0000 053 855 00   | 0... 2         | 0... 2          | 0... 2         | 0... 2         |            | 0,25 mm                       |
| 22           | 0000 050 789 00   | 1... 2         | 1... 2          | 1... 2         | 1              |            | 0,3 mm Gen.-PV 78             |
| 23           | 0000 051 486 00   | 1              | 1               | 1              | 1              |            | 0,4 mm 19° Gen.-PV 78         |
| 25           | 0000 503 465 00   | 1              | 1               | 1              | 1              |            | M 6 DIN 934 - 10 A2F          |
| 26           | 0000 501 445 00   | 1              | 1               | 1              | 1              |            | 6,4 DIN 125-St A3C            |
| 27           | 0000 040 956 01   | 1              | 1               | 1              | 1              |            |                               |
| 28           | 0000 039 273 01   | 1              | 1               | 1              | 1              |            | M 6 x 32                      |
| 29           | -----             | -              | -               | -              | -              |            |                               |
| 30           | 0000 500 927 00   | 2              | 2               | 2              | 2              |            | 7 DIN 6799 A3C                |
| 31           | 0000 019 810 00   | 1              | 1               | 1              | 1              |            |                               |
| 39           | 0000 051 784 00   | 1              | 1               | 1              | 1              |            |                               |
| 40           | 0000 400 224 01   | 1              | 1               | 1              | 1              |            | D1 8 x 2 FPM 75 MOLYKOT.      |
| 41           | 0000 504 923 00   | 1              | 1               | 1              | 1              |            | M 5 x 12 ISO 7380-10.9 Zn     |
| 42           | 0000 051 788 10   | 2              | 2               | 2              | 2              |            |                               |
| 43           | 0000 050 796 11   | 0... 4         | 0... 4          | 0... 4         | 0... 4         |            | Gen.-PV 78 (0)                |
| 44           | 0000 050 785 02   | 1              | 1               | 1              | 1              |            |                               |
| 45           | 0000 500 943 00   | 1              | 1               | 1              | 1              |            | M 5 DIN 934-8 A3C             |
| 46           | -----             | -              | -               | -              | -              |            |                               |
| 47           | 0000 502 163 00   | 1              | 1               | 1              | 1              |            | 5,3 DIN 125-St A3C            |
| 48           | 0000 504 922 00   | 1              | 1               | 1              | 1              |            | M 5 x 25 DIN 6912-8.8         |
| 50           | 0000 505 634 00   | 1              | 1               | 1              | 1              |            |                               |
| 51           | 0000 042 900 00   | 1              | 1               | 1              | 1              |            |                               |
| 52           | 0000 051 308 00   | 1              | 1               | 1              | 1              |            |                               |
| 53           | 0000 504 653 00   | 2              | 2               | 2              | 2              |            | M 3 x 8 DIN 912-8.8           |
| 54           | 0000 051 602 11   | 0... 4         | 0... 4          | 0... 4         | 0... 4         |            | Gen.-PV 78 (4)                |

M10, M32

Oil pump, governor, speed control  
Ölpumpe, Regler, Drehzahlverstellung  
Pompe à huile, régulateur regime, réglage régime  
Bomba de aceite, regulador, ajuste de revoluciones  
Pompa olio, regolatore di giri, comando acceleratore



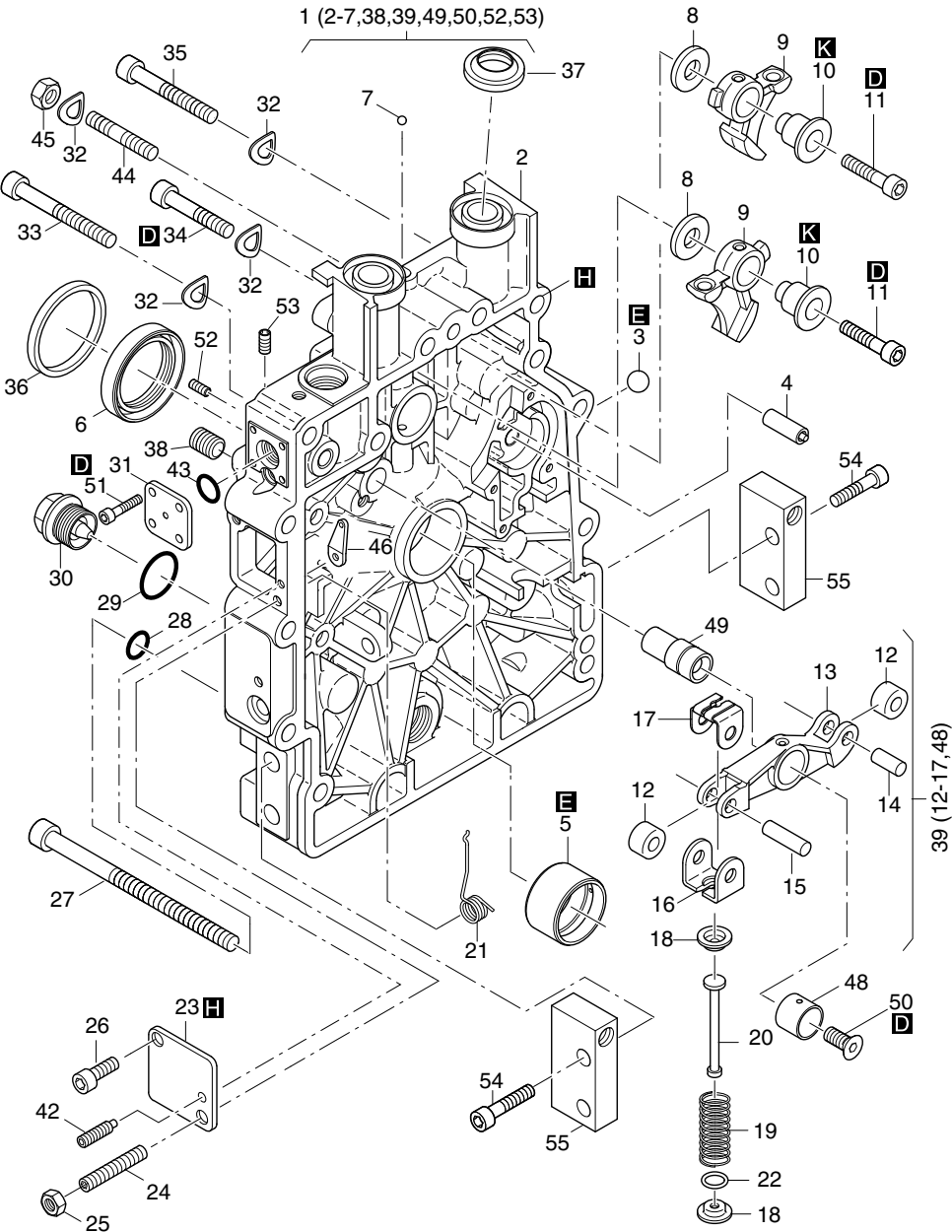
| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|----------------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                            |
| 56           | 0000 <b>051 517 10</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            |                            |
| 57           | 0000 <b>504 887 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            |                            |
| 58           | 0000 <b>504 757 00</b> | 1              | 1               | 1              | 1              |            | M 10 x 10 DIN 913-A3C Tuf. |
| 59           | 0000 <b>504 224 00</b> | 3              | 3               | 3              | 3              |            | 8 x 14 x 1,0 DIN 988       |
| 61           | 0000 <b>051 540 10</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | STOP links/left            |
| 61           | 0000 <b>051 791 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | START rechts/right         |
| 62           | 0000 <b>051 790 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            |                            |
| 63           | 0000 <b>504 006 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | M 5 x 10 A3C DIN 916-45H   |
| 64           | 0000 <b>053 073 00</b> | 1              | 1               | 1              | 1              |            | 4,5 x 3                    |
| 65           | 0000 <b>505 746 00</b> | 1              | 1               | 1              | 1              |            | M 6 x 10 DIN 913-45H-A3C   |
| 66           | 0000 <b>023 403 00</b> | 1              | 1               | 1              | 1              |            |                            |

Timing cover  
Steuerdeckel  
Couvercle distribution  
Tapa de mando  
Coperchio distribuzione

29

M11

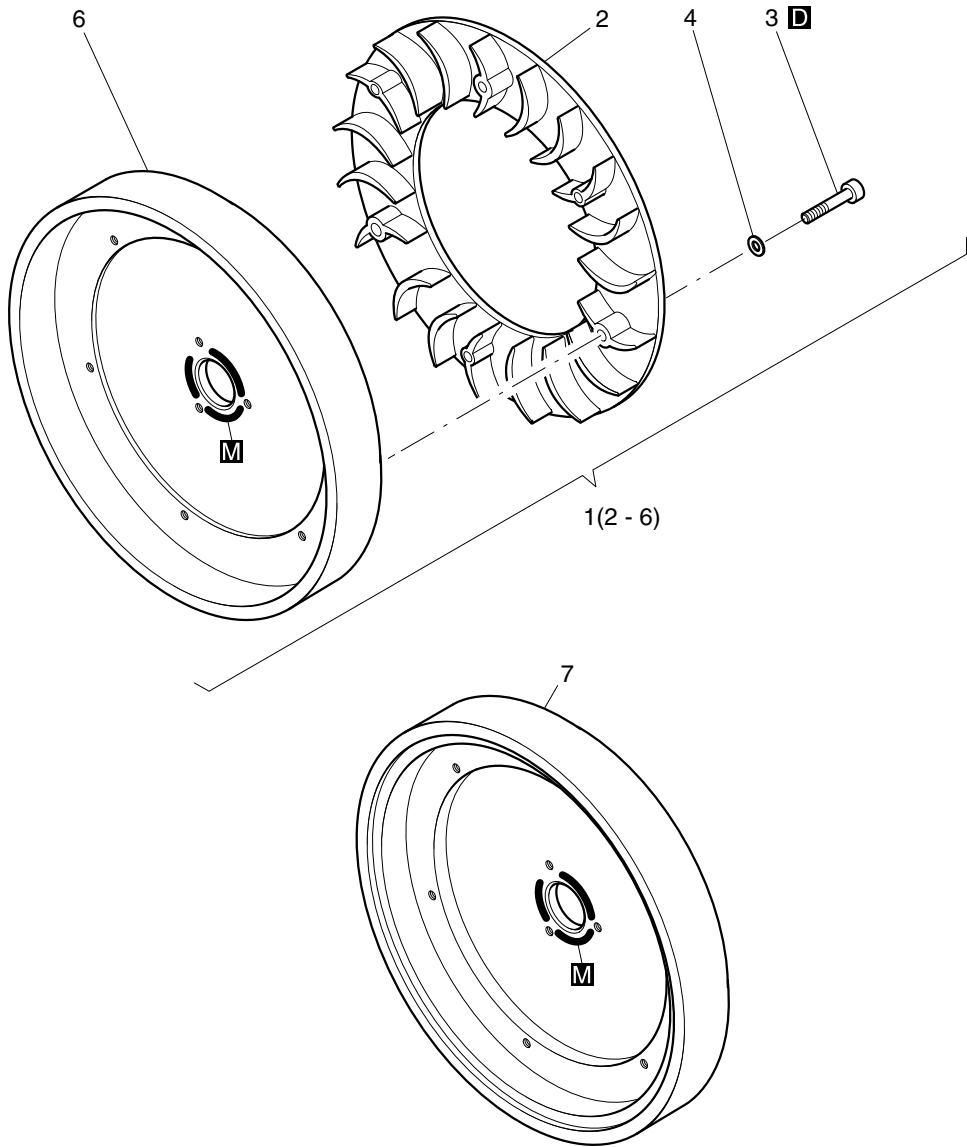
Timing cover  
Steuerdeckel  
Couvercle distribution  
Tapa de mando  
Coperchio distribuzione



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen                                                                                                                         |
|--------------|-------------------|----------------|-----------------|----------------|----------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                                                                                                                              |
| 45           | 0000 501 480 00   | -              | -               | -              | 1              |            | M 8 DIN 934-8 A3C                                                                                                                            |
| 46           | 0000 051 271 00   | 1              | 1               | 1              | 1              |            |                                                                                                                                              |
| 48           | -----             | -              | -               | -              | -              |            |                                                                                                                                              |
| 49           | 0000 040 968 30   | 1              | 1               | 1              | 1              |            | M 6 x 35 DIN 7991 - 8.8 A3C<br>M 4 x 10A3C DIN 912-8.8TUF<br>M 5 x 10 A3C DIN 916-45H<br>M 6 x 10 DIN 916 TUF360G<br>M 8 x 40 DIN 912-8.8A3C |
| 50           | 0000 504 450 00   | 1              | 1               | 1              | 1              |            |                                                                                                                                              |
| 51           | 0000 503 971 00   | 4              | 4               | 4              | 4              |            |                                                                                                                                              |
| 52           | 0000 504 006 00   | 2              | 2               | 2              | 2              |            |                                                                                                                                              |
| 53           | 0000 502 624 00   | 1              | 1               | 1              | 1              |            |                                                                                                                                              |
| 54           | 0000 501 775 00   | -              | 4               | -              | -              |            |                                                                                                                                              |
| 55           | 0000 051 387 10   | -              | 2               | -              | -              |            |                                                                                                                                              |

M13, M17

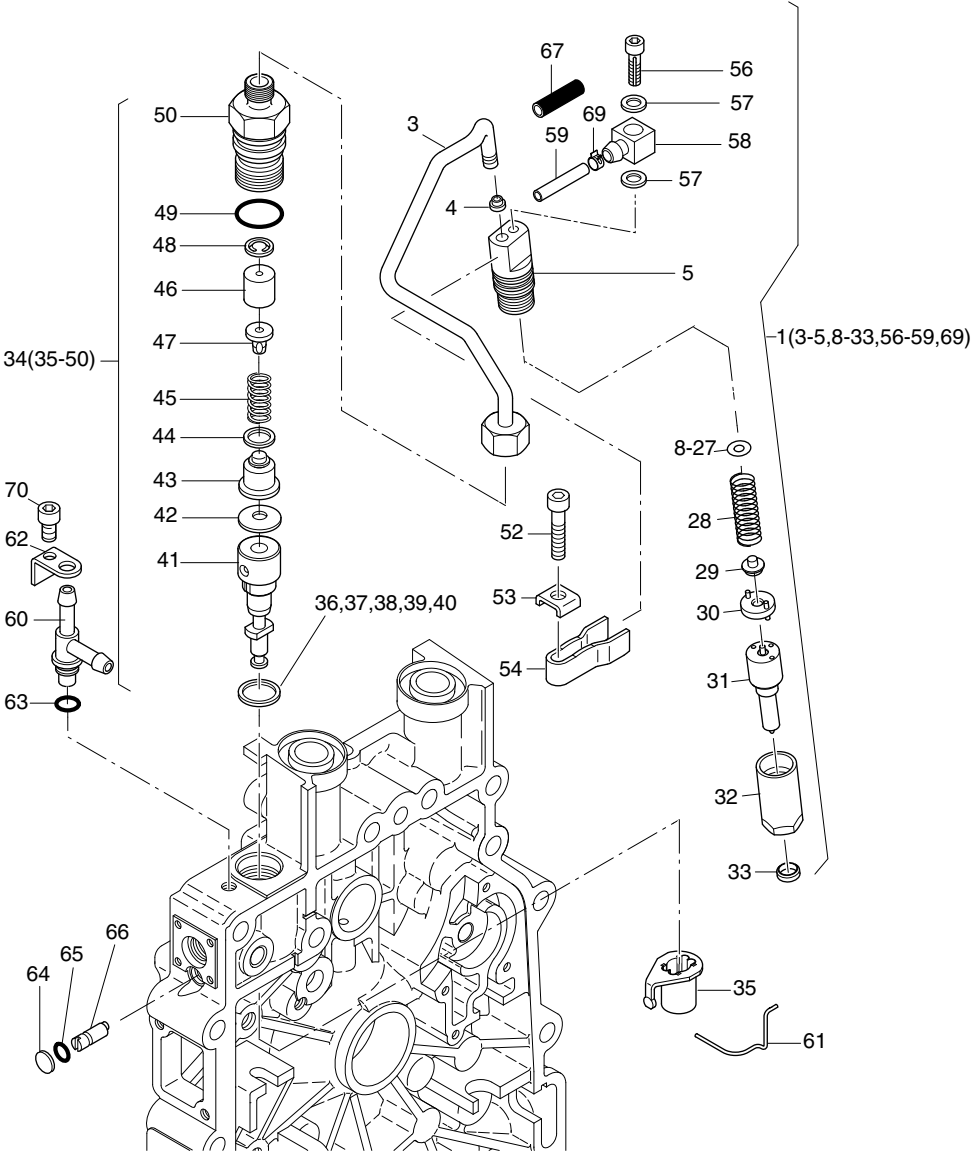
Blower, flywheel  
Gebläse, Schwungrad  
Soufflerie, volant  
Ventilador, volante  
Ventilatore, volano



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|----------------|-----------------|----------------|----------------|------------|--------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                          |
| 1            | 0000 015 797 10   | 1              | 1               | 1              | -              |            |                          |
| 2            | 0000 041 937 00   | 1              | 1               | 1              | -              |            |                          |
| 2            | 0000 041 936 00   | -              | -               | -              | 1              |            |                          |
| 3            | 0000 503 273 00   | 6              | 6               | 6              | 6              |            | M 4 x 20 DIN 912-8.8 A3C |
| 4            | 0000 500 034 00   | 6              | 6               | 6              | 6              |            | A 4 DIN 137 - ST         |
| 6            | 0000 050 522 20   | 1              | 1               | 1              | -              |            |                          |
| 6            | 0000 041 103 02   | -              | -               | -              | 0... 1         |            | leicht, light, léger     |
| 7            | 0000 013 977 00   | -              | -               | -              | 0... 1         |            | schwer, heavy, lourde    |

M14a

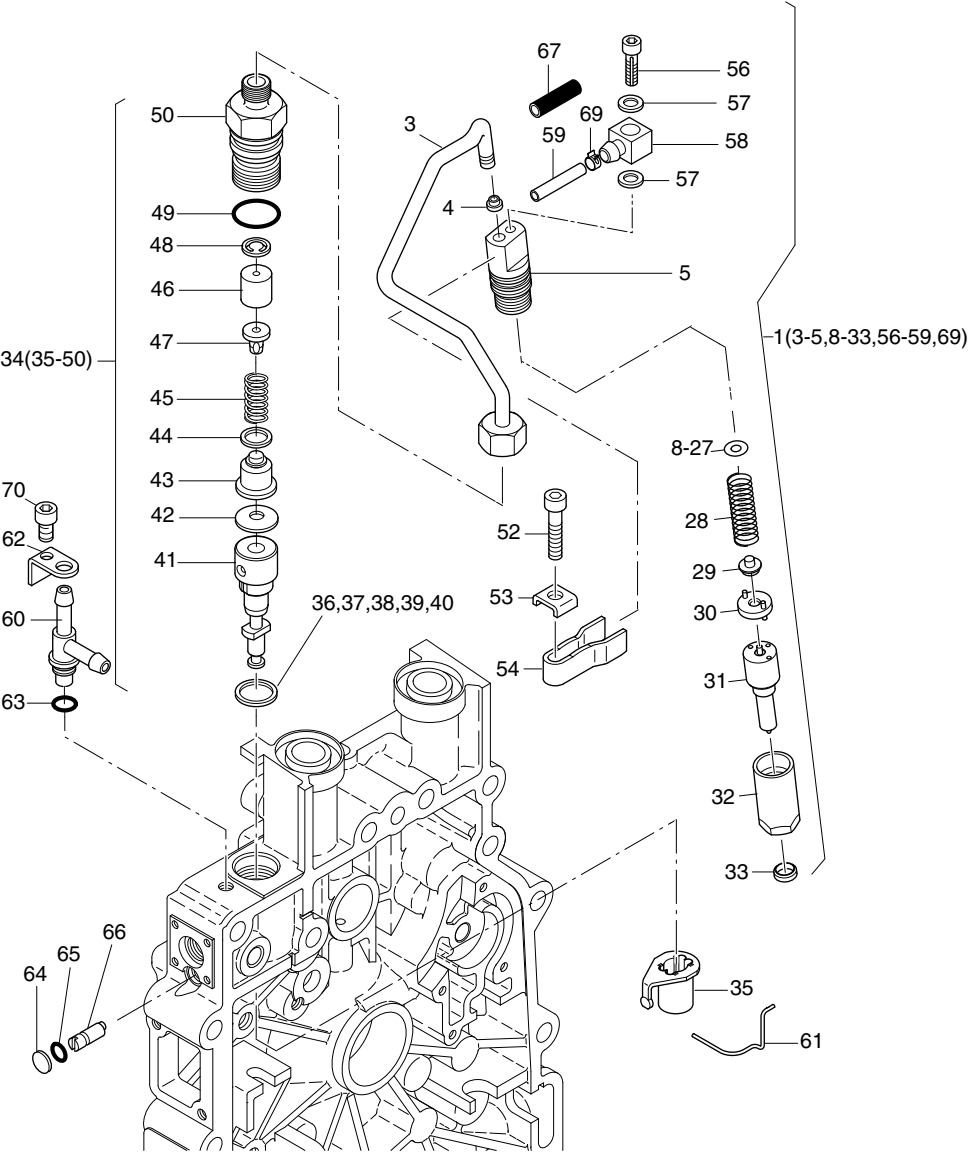
Injection equipment  
Einspritzausr stung  
Equipment d'injection  
Equipo de inyecci n  
Equipaggiamento di iniezione



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>St ck  |                 |                | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|-----------------|----------------|------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV |            |                      |
| 1            | 0000 <b>013 987 10</b> | 1              | 1               | 1              |            |                      |
| 3            | -----                  | -              | -               | -              |            |                      |
| 4            | 0000 <b>050 706 01</b> | 1              | 1               | 1              |            | 5,3 mm s. 95125802   |
| 5            | -----                  | -              | -               | -              |            |                      |
| 8            | 0000 <b>504 364 00</b> | 0...1          | 0...1           | 0...1          |            | 1,00 mm              |
| 9            | 0000 <b>504 365 00</b> | 0...1          | 0...1           | 0...1          |            | 1,04 mm              |
| 10           | 0000 <b>504 366 00</b> | 0...1          | 0...1           | 0...1          |            | 1,10 mm              |
| 11           | 0000 <b>504 367 00</b> | 0...1          | 0...1           | 0...1          |            | 1,14 mm              |
| 12           | 0000 <b>504 368 00</b> | 0...1          | 0...1           | 0...1          |            | 1,20 mm              |
| 13           | 0000 <b>504 369 00</b> | 0...1          | 0...1           | 0...1          |            | 1,24 mm              |
| 14           | 0000 <b>504 370 00</b> | 0...1          | 0...1           | 0...1          |            | 1,30 mm              |
| 15           | 0000 <b>504 371 00</b> | 0...1          | 0...1           | 0...1          |            | 1,34 mm              |
| 16           | 0000 <b>504 372 00</b> | 0...1          | 0...1           | 0...1          |            | 1,40 mm              |
| 17           | 0000 <b>504 373 00</b> | 0...1          | 0...1           | 0...1          |            | 1,44 mm              |
| 18           | 0000 <b>504 374 00</b> | 0...1          | 0...1           | 0...1          |            | 1,50 mm              |
| 19           | 0000 <b>504 375 00</b> | 0...1          | 0...1           | 0...1          |            | 1,54 mm              |
| 20           | 0000 <b>504 376 00</b> | 0...1          | 0...1           | 0...1          |            | 1,60 mm              |
| 21           | 0000 <b>504 377 00</b> | 0...1          | 0...1           | 0...1          |            | 1,64 mm              |
| 22           | 0000 <b>504 378 00</b> | 0...1          | 0...1           | 0...1          |            | 1,70 mm              |
| 23           | 0000 <b>504 379 00</b> | 0...1          | 0...1           | 0...1          |            | 1,74 mm              |
| 24           | 0000 <b>504 380 00</b> | 0...1          | 0...1           | 0...1          |            | 1,80 mm              |
| 25           | 0000 <b>504 381 00</b> | 0...1          | 0...1           | 0...1          |            | 1,84 mm              |
| 26           | 0000 <b>504 382 00</b> | 0...1          | 0...1           | 0...1          |            | 1,90 mm              |
| 27           | 0000 <b>504 383 00</b> | 0...1          | 0...1           | 0...1          |            | 1,94 mm              |
| 28           | -----                  | -              | -               | -              |            |                      |
| 29           | -----                  | -              | -               | -              |            |                      |
| 30           | -----                  | -              | -               | -              |            |                      |
| 31           | 0000 <b>505 765 10</b> | 1              | 1               | 1              |            |                      |
| 32           | -----                  | -              | -               | -              |            |                      |
| 33           | 0000 <b>050 705 00</b> | 1              | 1               | 1              |            | d1                   |
| 34           | 0000 <b>013 222 40</b> | 1              | 1               | -              |            |                      |
| 34           | 0000 <b>015 829 20</b> | -              | -               | 1              |            |                      |
| 35           | 0000 <b>013 308 01</b> | 1              | 1               | 1              |            |                      |
| 36           | 0000 <b>040 963 00</b> | 0...1          | 0...1           | 0...1          |            | 0,2 mm               |
| 37           | 0000 <b>040 964 00</b> | 0...1          | 0...1           | 0...1          |            | 0,3 mm               |
| 38           | 0000 <b>040 965 00</b> | 0...1          | 0...1           | 0...1          |            | 0,4 mm               |
| 39           | 0000 <b>040 966 00</b> | 0...1          | 0...1           | 0...1          |            | 0,5 mm               |
| 40           | 0000 <b>040 967 00</b> | 0...1          | 0...1           | 0...1          |            | 0,6 mm               |
| 41           | -----                  | -              | -               | -              |            |                      |
| 42           | 0000 <b>041 652 00</b> | 1              | 1               | 1              |            | 8                    |
| 43           | -----                  | -              | -               | -              |            |                      |
| 44           | 0000 <b>504 769 00</b> | 1              | 1               | 1              |            | 9,5 x 13 x 0,5       |
| 45           | -----                  | -              | -               | -              |            |                      |
| 46           | -----                  | -              | -               | -              |            |                      |
| 47           | -----                  | -              | -               | -              |            |                      |

M14a

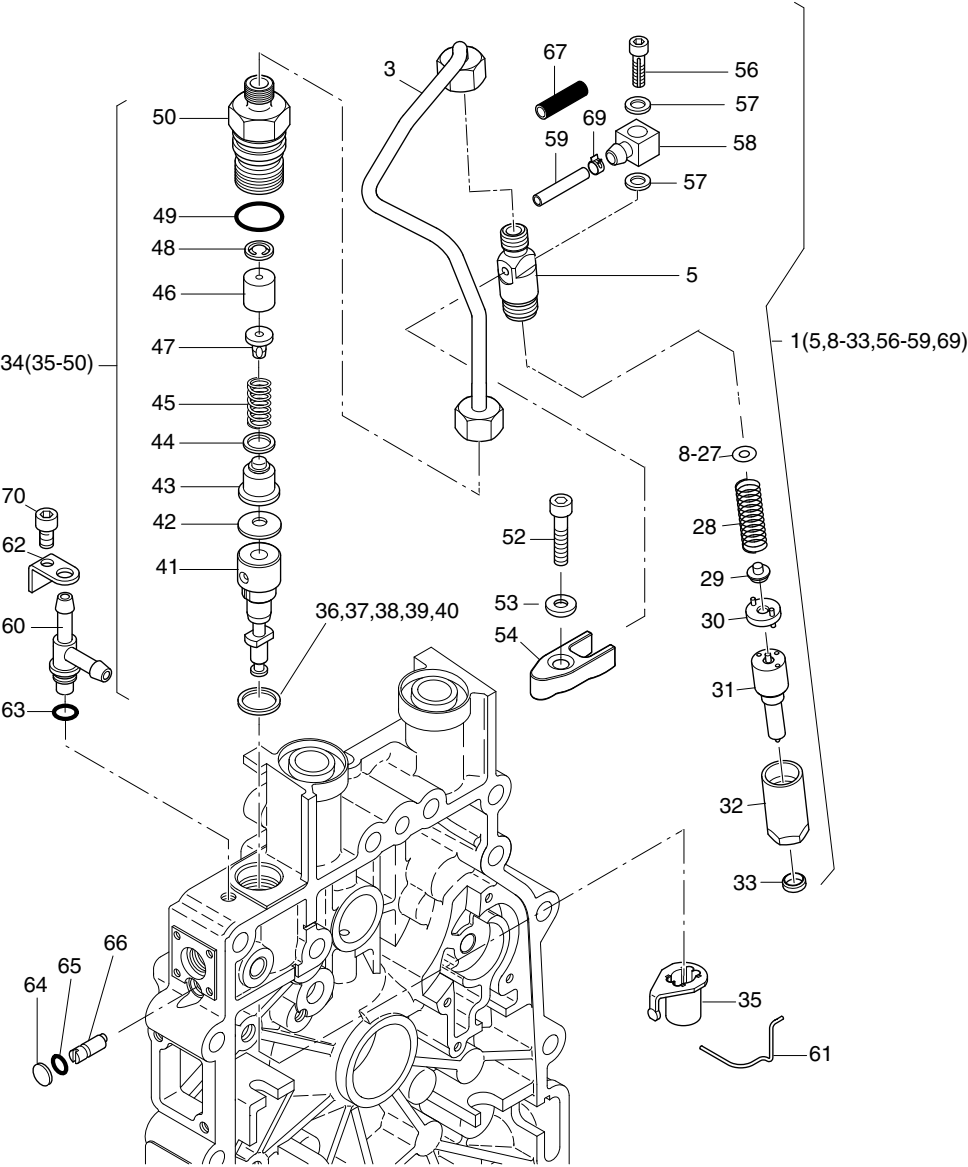
Injection equipment  
Einspritzausr stung  
Equipment d'injection  
Equipo de inyecci n  
Equipaggiamento di iniezione



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>St ck  |                 |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|----------------|-----------------|----------------|------------|---------------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV |            |                                 |
| 48           | 0000 051 808 00   | 1              | 1               | 1              |            |                                 |
| 49           | 0000 504 892 00   | 1              | 1               | 1              |            | D1 17 x 2                       |
| 50           | 0000 051 811 00   | 1              | 1               | 1              |            |                                 |
| 52           | 0000 503 239 00   | 1              | 1               | 1              |            | M 6 x 30 DIN 912-8.8A3C         |
| 53           | 0000 050 893 00   | 1              | 1               | 1              |            | 6,4                             |
| 54           | 0000 050 567 00   | 1              | 1               | 1              |            |                                 |
| 56           | 0000 052 990 01   | 1              | 1               | 1              |            | M 4 x 16                        |
| 57           | 0000 501 108 00   | 1              | 1               | 1              |            | A4 x 8 DIN 7603-Cu              |
| 58           | 0000 051 290 00   | 1              | 1               | 1              |            |                                 |
| 59           | 0000 052 150 01   | 1              | 1               | 1              |            | 2,5 x 195                       |
| 60           | 0000 017 568 00   | 1              | 1               | 1              |            |                                 |
| 61           | 0000 041 618 00   | 1              | 1               | 1              |            |                                 |
| 62           | 0000 053 907 00   | 1              | 1               | 1              |            |                                 |
| 63           | 0000 501 543 00   | 1              | 1               | 1              |            | D1 7,5 x 1,5                    |
| 64           | 0000 504 760 00   | 1              | 1               | 1              |            | 8 DIN 470 Al                    |
| 65           | 0000 503 301 00   | 1              | 1               | 1              |            | 4 x 1,2                         |
| 66           | 0000 040 977 10   | 1              | 1               | 1              |            |                                 |
| 67           | 0000 052 679 01   | 1              | 1               | 1              |            | 185 mm                          |
| 69           | 0000 505 779 00   | 1              | 1               | 1              |            | 6                               |
| 70           | 0000 505 470 00   | 1              | 1               | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

M14b

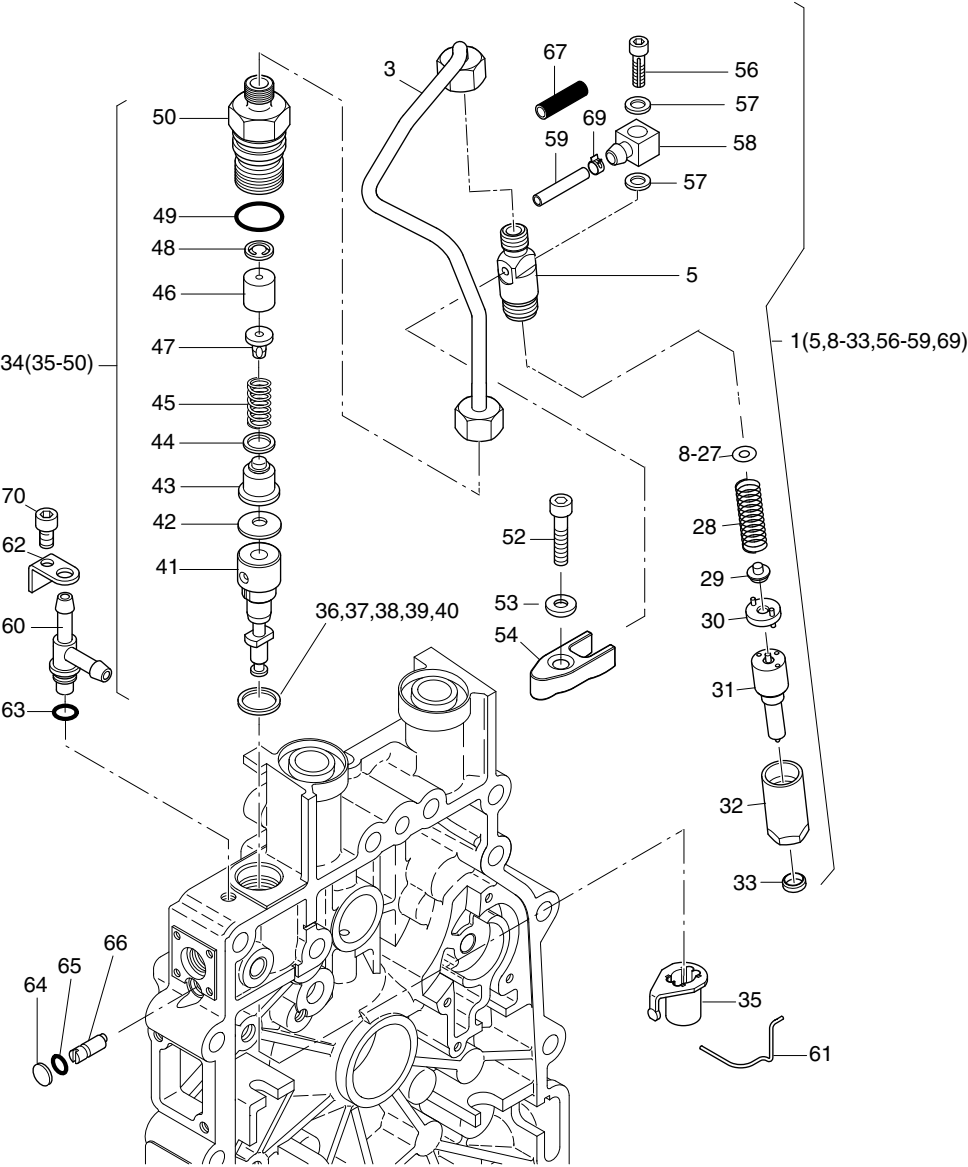
Injection equipment  
Einspritzausr stung  
Equipment d'injection  
Equipo de inyecci n  
Equipaggiamento di iniezione



| Fig.-<br>No.   | HATZ<br>Ident-No. | Qty.<br>St ck | W<br>d / D | Notes<br>Bemerkungen |
|----------------|-------------------|---------------|------------|----------------------|
| 1B30<br>EPA IV |                   |               |            |                      |
| 1              | 0000 013 896 10   | 1             |            |                      |
| 3              | 0000 020 244 00   | 1             |            |                      |
| 5              | -----             | -             |            |                      |
| 8              | 0000 504 364 00   | 0 ...1        |            | 1,00 mm              |
| 9              | 0000 504 365 00   | 0 ...1        |            | 1,04 mm              |
| 10             | 0000 504 366 00   | 0 ...1        |            | 1,10 mm              |
| 11             | 0000 504 367 00   | 0 ...1        |            | 1,14 mm              |
| 12             | 0000 504 368 00   | 0 ...1        |            | 1,20 mm              |
| 13             | 0000 504 369 00   | 0 ...1        |            | 1,24 mm              |
| 14             | 0000 504 370 00   | 0 ...1        |            | 1,30 mm              |
| 15             | 0000 504 371 00   | 0 ...1        |            | 1,34 mm              |
| 16             | 0000 504 372 00   | 0 ...1        |            | 1,40 mm              |
| 17             | 0000 504 373 00   | 0 ...1        |            | 1,44 mm              |
| 18             | 0000 504 374 00   | 0 ...1        |            | 1,50 mm              |
| 19             | 0000 504 375 00   | 0 ...1        |            | 1,54 mm              |
| 20             | 0000 504 376 00   | 0 ...1        |            | 1,60 mm              |
| 21             | 0000 504 377 00   | 0 ...1        |            | 1,64 mm              |
| 22             | 0000 504 378 00   | 0 ...1        |            | 1,70 mm              |
| 23             | 0000 504 379 00   | 0 ...1        |            | 1,74 mm              |
| 24             | 0000 504 380 00   | 0 ...1        |            | 1,80 mm              |
| 25             | 0000 504 381 00   | 0 ...1        |            | 1,84 mm              |
| 26             | 0000 504 382 00   | 0 ...1        |            | 1,90 mm              |
| 27             | 0000 504 383 00   | 0 ...1        |            | 1,94 mm              |
| 28             | -----             | -             |            |                      |
| 29             | -----             | -             |            |                      |
| 30             | -----             | -             |            |                      |
| 31             | 0000 505 667 10   | 1             |            | P1                   |
| 32             | -----             | -             |            |                      |
| 33             | 0000 050 705 00   | 1             |            | d1                   |
| 34             | 0000 015 829 20   | 1             |            |                      |
| 35             | 0000 013 308 01   | 1             |            |                      |
| 36             | 0000 040 963 00   | 0 ...1        |            | 0,2 mm               |
| 37             | 0000 040 964 00   | 0 ...1        |            | 0,3 mm               |
| 38             | 0000 040 965 00   | 0 ...1        |            | 0,4 mm               |
| 39             | 0000 040 966 00   | 0 ...1        |            | 0,5 mm               |
| 40             | 0000 040 967 00   | 0 ...1        |            | 0,6 mm               |
| 41             | -----             | -             |            |                      |
| 42             | 0000 041 652 00   | 1             |            | 8                    |
| 43             | -----             | -             |            |                      |
| 44             | 0000 504 769 00   | 1             |            | 9,5 x 13 x 0,5       |
| 45             | -----             | -             |            |                      |
| 46             | -----             | -             |            |                      |
| 47             | -----             | -             |            |                      |
| 48             | 0000 051 808 00   | 1             |            |                      |
| 49             | 0000 504 892 00   | 1             |            | D1 17 x 2            |

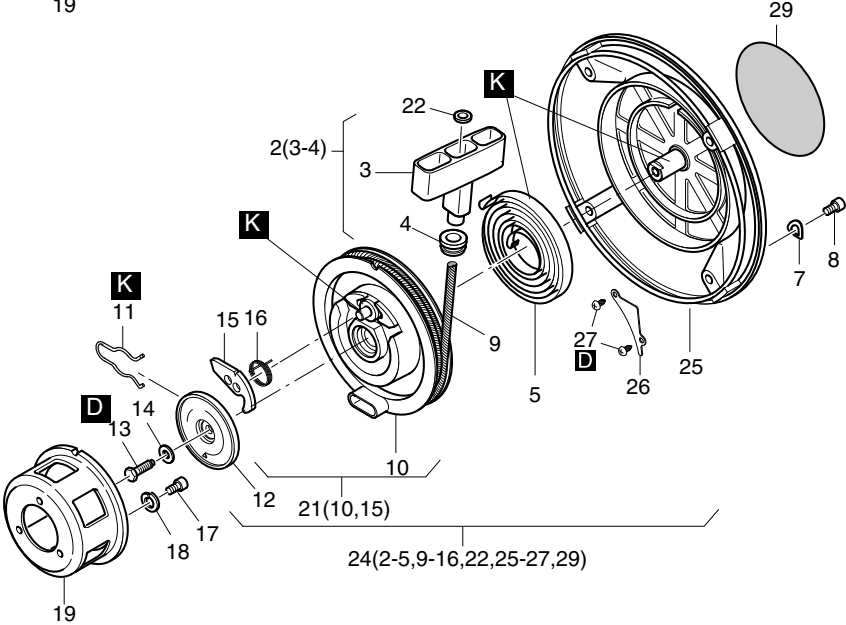
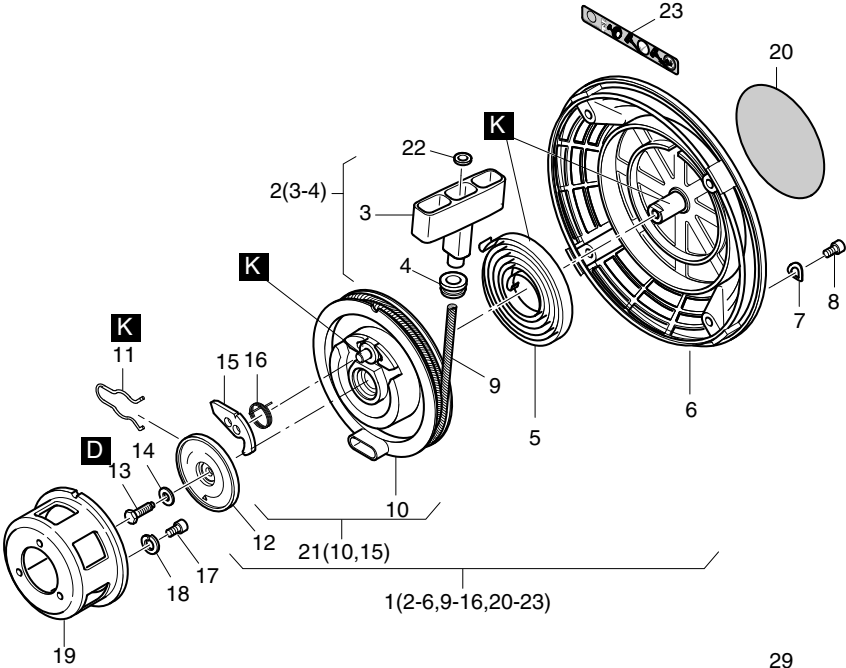
M14b

Injection equipment  
Einspritzausr stung  
Equipment d'injection  
Equipo de inyecci n  
Equipaggiamento di iniezione



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>St ck  | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|----------------|------------|---------------------------------|
|              |                   | 1B30<br>EPA IV |            |                                 |
| 50           | 0000 051 811 00   | 1              |            |                                 |
| 52           | 0000 503 239 00   | 1              |            | M 6 x 30 DIN 912-8.8A3C         |
| 53           | 0000 505 965 00   | 1              |            | 6,4                             |
| 54           | 0000 042 818 01   | 1              |            |                                 |
| 56           | 0000 042 819 00   | 1              |            | M 4 x 14                        |
| 57           | 0000 501 108 00   | 2              |            | A4 x 8 DIN 7603-Cu              |
| 58           | 0000 051 290 00   | 1              |            |                                 |
| 59           | 0000 042 820 00   | 1              |            | 2,5 x 245                       |
| 60           | 0000 017 568 00   | 1              |            |                                 |
| 61           | 0000 041 618 00   | 1              |            |                                 |
| 62           | 0000 053 907 00   | 1              |            |                                 |
| 63           | 0000 501 543 00   | 1              |            | D1 7,5 x 1,5                    |
| 64           | 0000 504 760 00   | 1              |            | 8 DIN 470 Al                    |
| 65           | 0000 503 301 00   | 1              |            | 4 x 1,2                         |
| 66           | 0000 040 977 10   | 1              |            |                                 |
| 67           | 0000 052 679 01   | 1              |            | 185 mm                          |
| 69           | 0000 505 779 00   | 1              |            | 6                               |
| 70           | 0000 505 470 00   | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

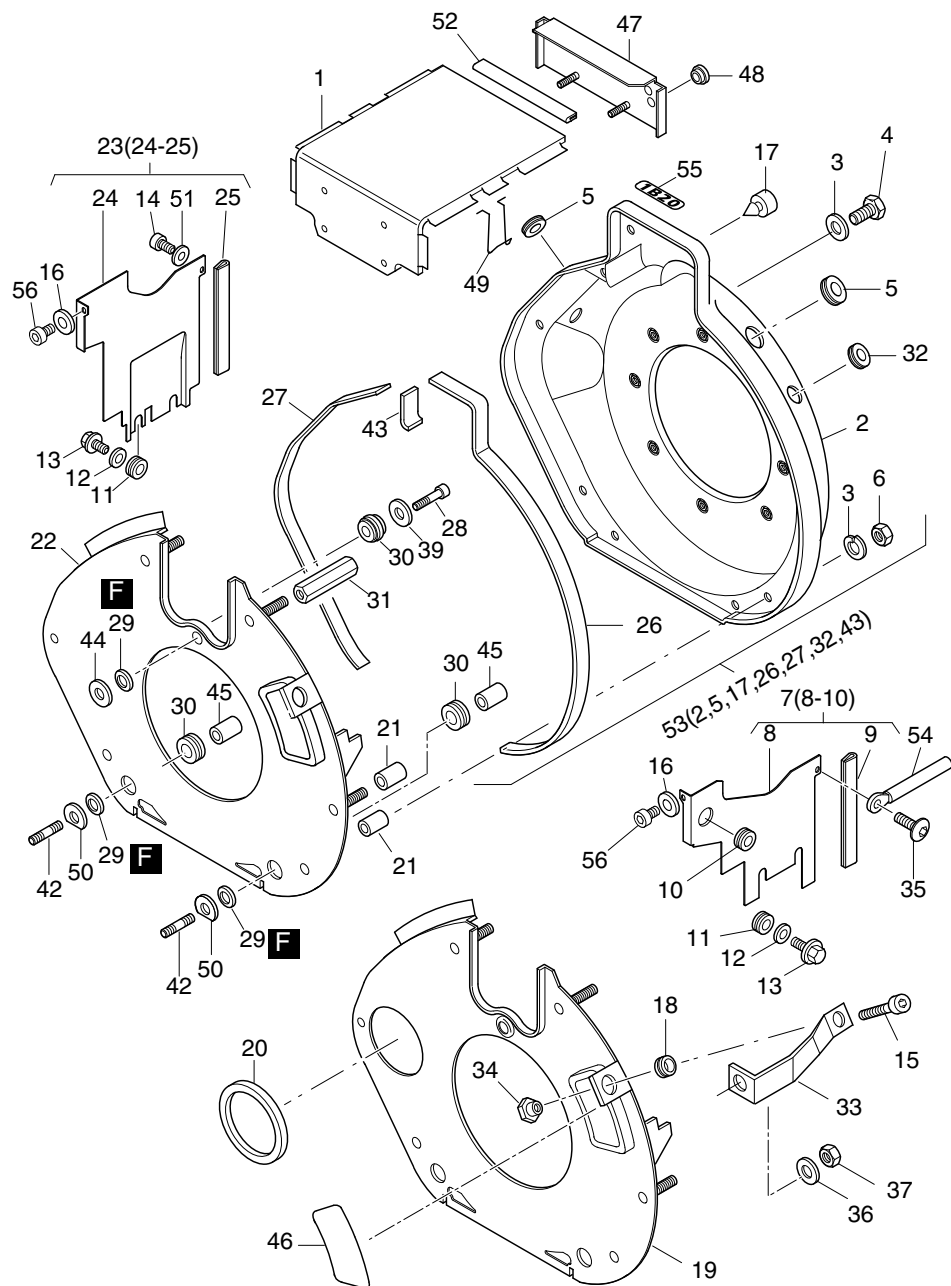
Recoil starter  
Reversierstarter  
Demarreur reversible  
Arrancador reversible  
Avviamento a strappo



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|----------------|-----------------|----------------|----------------|------------|--------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                          |
| 1            | 0000 023 191 00   | 1              | 1               | 1              | 1              |            |                          |
| 2            | 0000 014 978 00   | 1              | 1               | 1              | 1              |            |                          |
| 3            | -----             | -              | -               | -              | -              |            |                          |
| 4            | 0000 036 652 00   | 1              | 1               | 1              | 1              |            |                          |
| 5            | 0000 050 452 02   | 1              | 1               | 1              | 1              |            |                          |
| 6            | 0000 015 693 10   | 1              | 1               | 1              | 1              |            |                          |
| 7            | 0000 500 812 00   | 4              | 4               | 4              | 4              |            | A 6 DIN 137 - A3C        |
| 8            | 0000 500 627 00   | 4              | 4               | 4              | 4              |            | M 6 x 10 DIN 912-8.8 A3C |
| 9            | 0000 019 290 00   | 1              | 1               | 1              | 1              |            | 2040 mm                  |
| 10           | -----             | -              | -               | -              | -              |            |                          |
| 11           | 0000 050 449 01   | 1              | 1               | 1              | 1              |            |                          |
| 12           | 0000 050 450 01   | 1              | 1               | 1              | 1              |            |                          |
| 13           | 0000 501 463 00   | 1              | 1               | 1              | 1              |            | M 6 x 18 DIN 933-8.8 A3C |
| 14           | 0000 503 907 01   | 1              | 1               | 1              | 1              |            | 6 DIN 6796 - 6 - FST ZN  |
| 15           | 0000 050 448 00   | 1              | 1               | 1              | 1              |            |                          |
| 16           | 0000 050 613 00   | 1              | 1               | 1              | 1              |            |                          |
| 17           | 0000 500 627 00   | 3              | 3               | 3              | 3              |            | M 6 x 10 DIN 912-8.8 A3C |
| 18           | 0000 501 709 00   | 3              | 3               | 3              | 3              |            | 6 DIN 128 - A3C          |
| 19           | 0000 041 550 00   | 1              | 1               | 1              | 1              |            |                          |
| 20           | 0000 051 091 03   | 1              | 1               | 1              | 1              |            |                          |
| 21           | 0000 015 488 00   | 1              | 1               | 1              | 1              |            |                          |
| 22           | 0000 505 146 00   | 1              | 1               | 1              | 1              |            | 5,3 DIN 9021 PA 6.6      |
| 23           | 0000 053 338 01   | 1              | 1               | 1              | 1              |            |                          |
| 24           | 0000 018 872 01   | -              | -               | -              | 0... 1         |            | "SILENT"                 |
| 25           | 0000 019 399 00   | -              | -               | -              | 0... 1         |            | "SILENT"                 |
| 26           | 0000 053 120 00   | -              | -               | -              | 0... 1         |            | "SILENT"                 |
| 27           | 0000 503 349 00   | -              | -               | -              | 0... 2         |            | B 4,2 x 9,5 DIN 7981 A3C |
| 29           | 0000 053 097 01   | -              | -               | -              | 0... 1         |            | "SILENT"                 |

# M26a

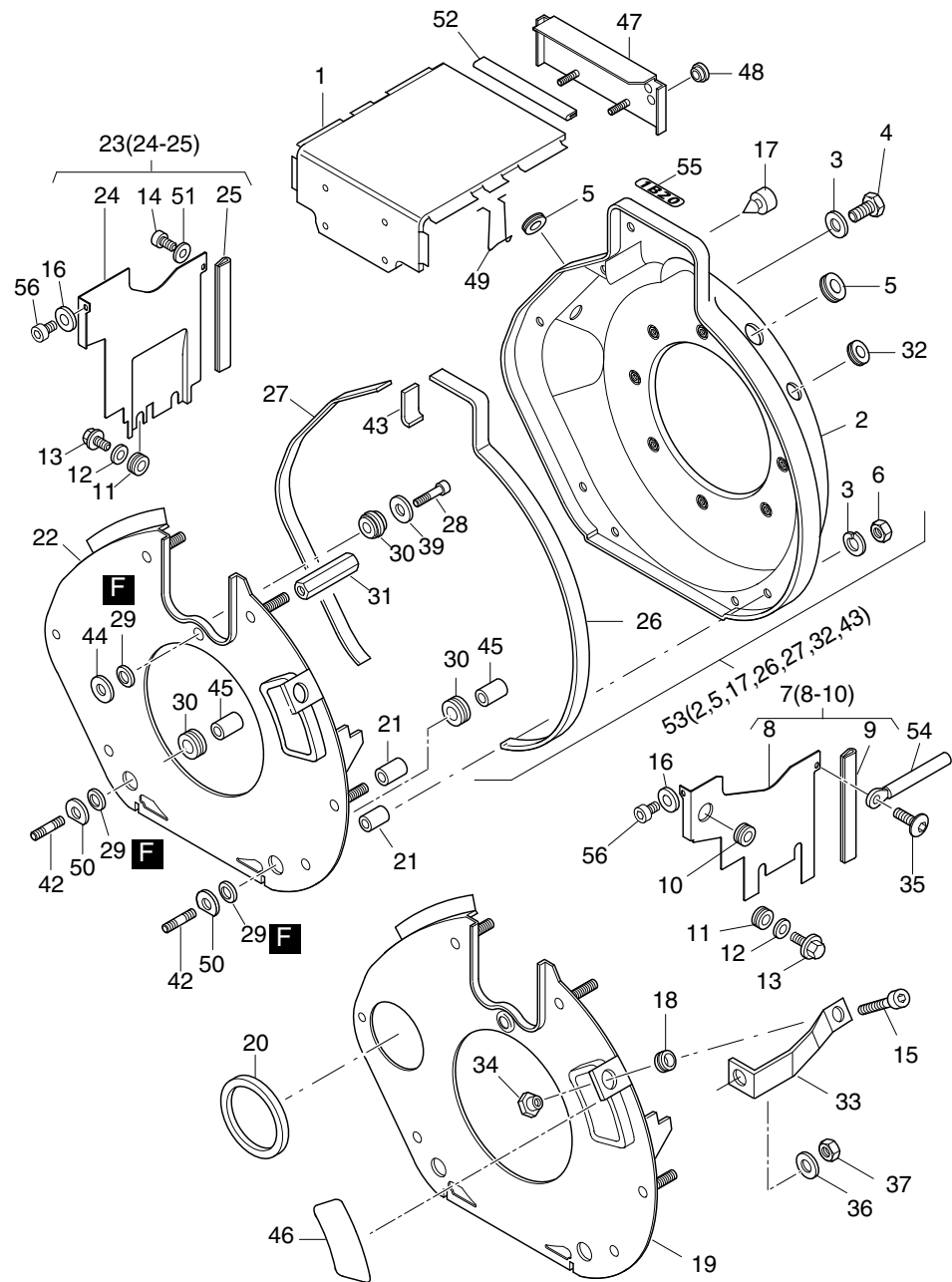
Air ducting - 1B20 / 27  
 Luftführung - 1B20 / 27  
 Carter ventilation - 1B20 / 27  
 Conducción de aire - 1B20 / 27  
 Carter ventilatore - 1B20 / 27



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  | W<br>d / D      | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|-----------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV       |
| 1            | 0000 <b>015 335 04</b> | 1              | -               | 1                    |
| 1            | 0000 <b>022 526 00</b> | -              | 1               | -                    |
| 2            | -----                  | -              | -               | -                    |
| 3            | 0000 <b>501 709 00</b> | 7              | 7               | 7                    |
| 4            | 0000 <b>501 463 00</b> | 1              | 1               | 1                    |
| 5            | 0000 <b>504 617 00</b> | 2              | 2               | 2                    |
| 6            | 0000 <b>501 444 00</b> | 6              | 6               | 6                    |
| 7            | 0000 <b>013 166 00</b> | 1              | 1               | 1                    |
| 8            | -----                  | -              | -               | -                    |
| 9            | 0000 <b>040 976 00</b> | 1              | 1               | 1                    |
| 10           | 0000 <b>503 348 00</b> | 1              | 1               | 1                    |
| 11           | 0000 <b>501 638 01</b> | 4              | 4               | 4                    |
| 12           | 0000 <b>504 416 00</b> | 3              | 3               | 3                    |
| 13           | 0000 <b>504 454 01</b> | 3              | 3               | 3                    |
| 14           | 0000 <b>505 281 00</b> | 1              | 1               | 1                    |
| 15           | 0000 <b>501 707 00</b> | 1              | 1               | 1                    |
| 16           | 0000 <b>501 445 00</b> | 2              | 2               | 2                    |
| 17           | 0000 <b>503 926 10</b> | 0... 2         | 0... 2          | 0... 2               |
| 18           | 0000 <b>503 928 00</b> | 1              | 1               | 1                    |
| 19           | 0000 <b>016 070 11</b> | 1              | -               | 1                    |
| 20           | 0000 <b>040 995 00</b> | 1              | -               | 1                    |
| 21           | 0000 <b>041 390 00</b> | 5              | 5               | 5                    |
| 22           | 0000 <b>016 071 11</b> | 1              | 1               | 1                    |
| 23           | 0000 <b>013 165 00</b> | 1              | 1               | 1                    |
| 24           | -----                  | -              | -               | -                    |
| 25           | 0000 <b>040 976 00</b> | 1              | 1               | 1                    |
| 26           | 0000 <b>051 893 00</b> | 1              | 1               | 1                    |
| 27           | 0000 <b>053 715 00</b> | 1              | 1               | 1                    |
| 28           | 0000 <b>501 708 00</b> | 1              | 1               | 1                    |
| 29           | 0000 <b>035 755 00</b> | 3              | 3               | 3                    |
| 30           | 0000 <b>013 783 00</b> | 3              | 3               | 3                    |
| 31           | 0000 <b>041 244 00</b> | 1              | 1               | 1                    |
| 32           | 0000 <b>504 533 00</b> | 1              | 1               | 1                    |
| 33           | 0000 <b>015 995 00</b> | 1              | 1               | 1                    |
| 34           | 0000 <b>041 232 00</b> | 1              | 1               | 1                    |
| 35           | 0000 <b>504 950 00</b> | 1              | 1               | 1                    |
| 36           | 0000 <b>500 951 00</b> | 1              | 1               | 1                    |
| 37           | 0000 <b>503 447 00</b> | 1              | 1               | 1                    |
| 39           | 0000 <b>501 709 00</b> | 1              | 1               | 1                    |
| 42           | 0000 <b>504 581 00</b> | 2              | -               | 2                    |
| 42           | 0000 <b>504 685 00</b> | -              | 2               | -                    |
| 43           | 0000 <b>050 073 00</b> | 1              | 1               | 1                    |
| 44           | 0000 <b>040 420 00</b> | 1              | 1               | 1                    |
| 45           | 0000 <b>041 390 00</b> | 2              | 2               | 2                    |
| 46           | 0000 <b>042 151 00</b> | 0... 1         | -               | 0... 1               |

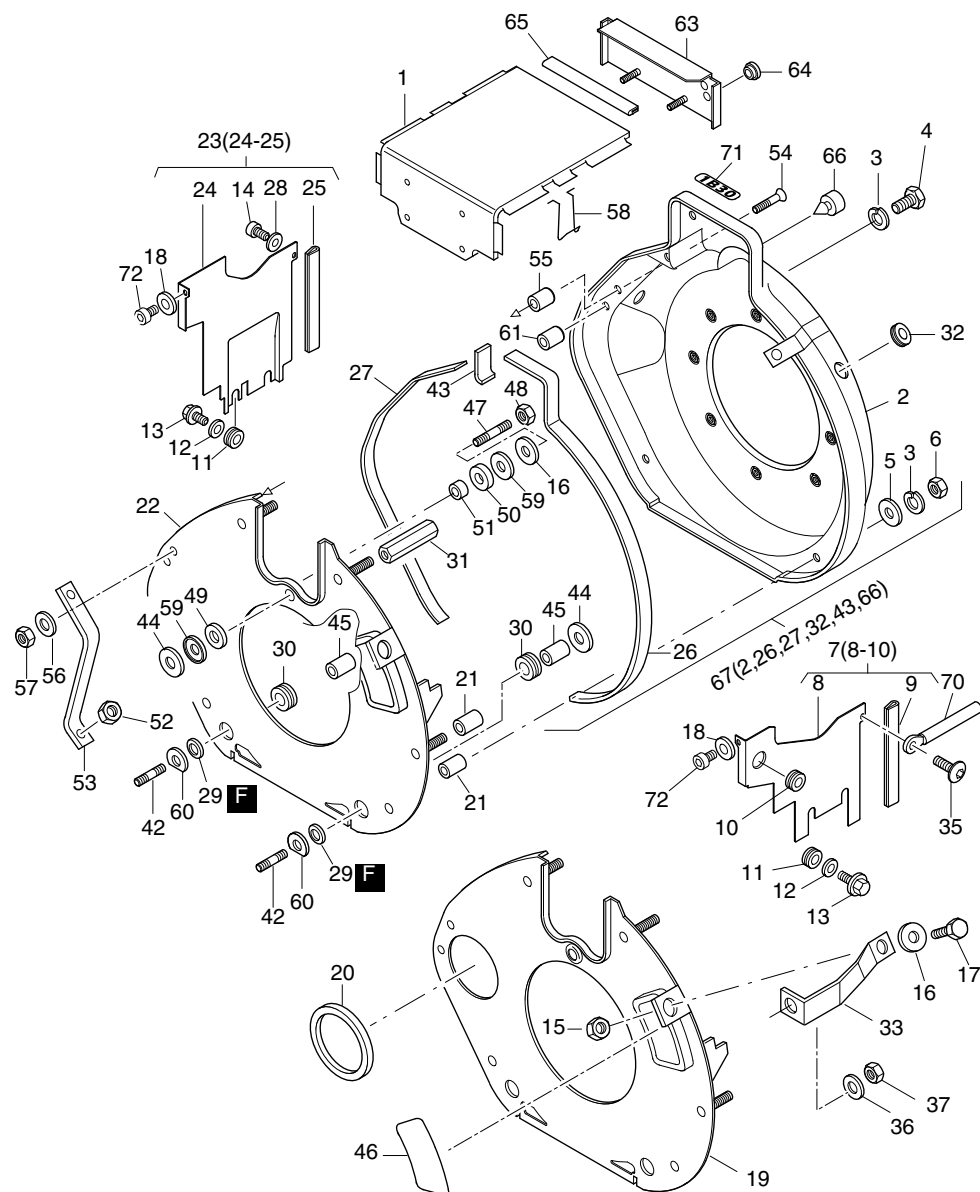
M26a

Air ducting - 1B20 / 27  
Luftführung - 1B20 / 27  
Carter ventilation - 1B20 / 27  
Conducción de aire - 1B20 / 27  
Carter ventilatore - 1B20 / 27



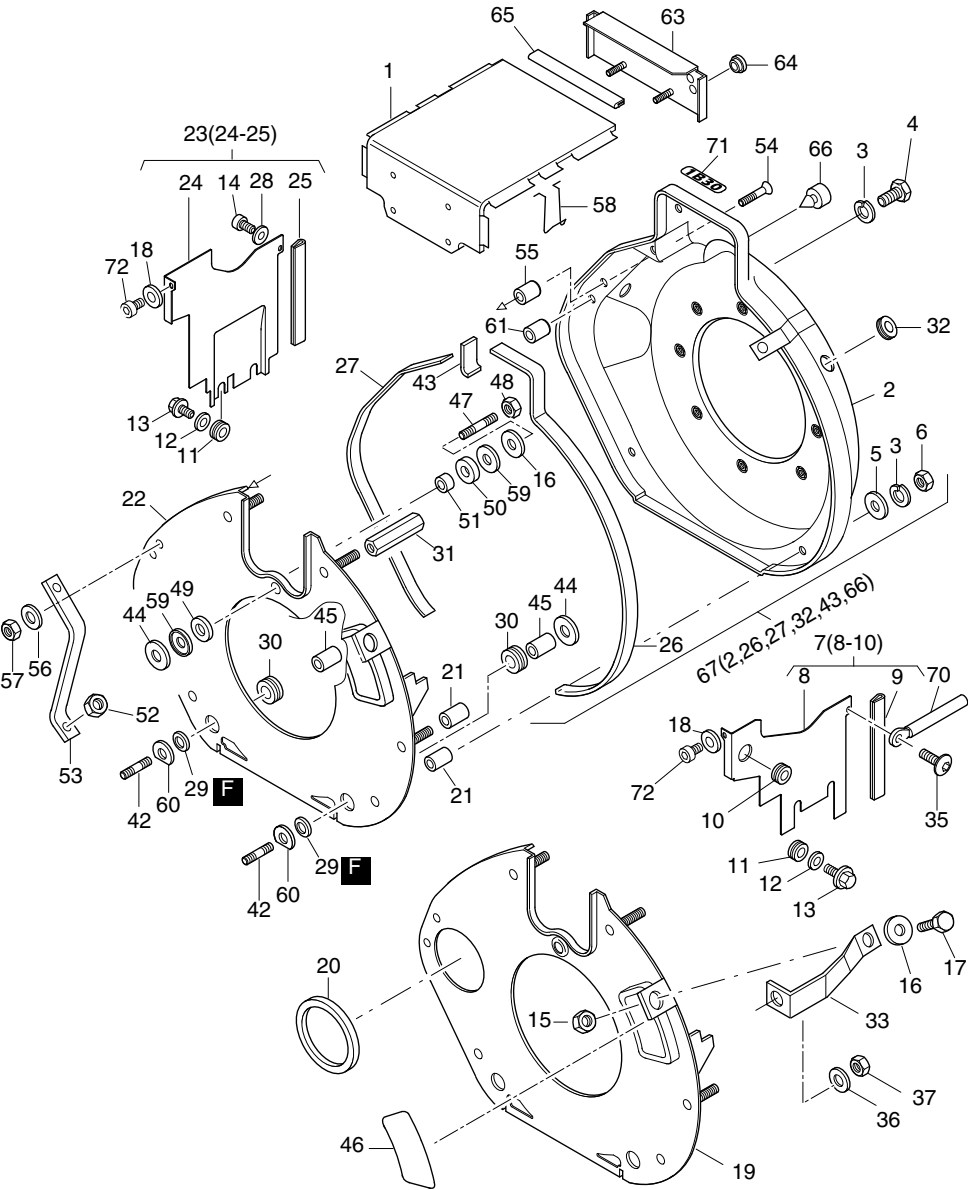
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                | W<br>d / D | Notes<br>Bemerkungen         |
|--------------|-------------------|----------------|-----------------|----------------|------------|------------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV |            |                              |
| 47           | 0000 015 793 00   | 1              | 1               | 1              |            |                              |
| 48           | 0000 503 348 00   | 2              | 2               | 2              |            |                              |
| 49           | 0000 051 441 00   | 1              | 1               | 1              |            |                              |
| 50           | 0000 041 453 00   | 2              | 2               | 2              |            |                              |
| 51           | 0000 040 606 00   | 1              | 1               | 1              |            | 6,4 x 16 x 1,5 A3C           |
| 52           | 0000 051 434 00   | 1              | 1               | 1              |            | 106mm                        |
| 53           | 0000 018 311 01   | 1              | 1               | 1              |            |                              |
| 54           | 0000 050 012 00   | 0...1          | 0...1           | 0...1          |            |                              |
| 55           | 0000 053 139 00   | 1              | 1               | -              |            | 1B20                         |
| 55           | 0000 053 140 00   | -              | -               | 1              |            | 1B27                         |
| 56           | 0000 504 742 00   | 2              | 2               | 2              |            | M6x16 DIN912-8.8 A3C Tuf.360 |

Air ducting - 1B30  
 Luftführung - 1B30  
 Carter ventilation - 1B30  
 Conducción de aire - 1B30  
 Carter ventilatore - 1B30



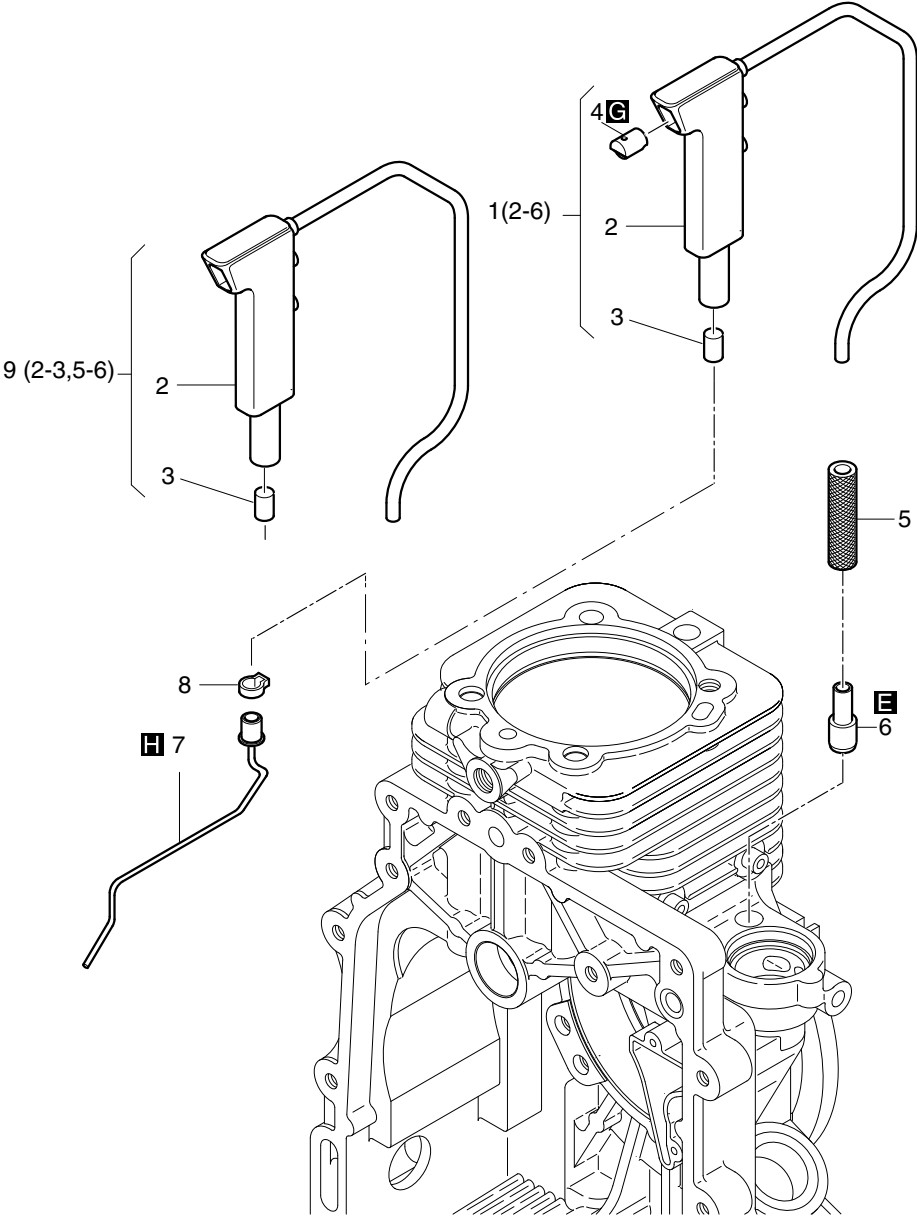
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  | W<br>d / D | Notes<br>Bemerkungen           |
|--------------|-------------------|----------------|------------|--------------------------------|
|              |                   | 1B30<br>EPA IV |            |                                |
| 1            | 0000 015 514 01   | 1              |            |                                |
| 2            | -----             | -              |            |                                |
| 3            | 0000 501 709 00   | 7              |            | 6 DIN 128 - A3C                |
| 4            | 0000 501 463 00   | 1              |            | M 6 x 18 DIN 933-8.8 A3C       |
| 5            | 0000 501 200 00   | 2              |            | A 6,4 DIN 9021-St A3C          |
| 6            | 0000 501 444 00   | 6              |            | M 6 DIN 934 - 8 A3C            |
| 7            | 0000 013 263 00   | 1              |            |                                |
| 8            | -----             | -              |            |                                |
| 9            | 0000 051 289 00   | 1              |            | 80 mm                          |
| 10           | 0000 503 348 00   | 1              |            |                                |
| 11           | 0000 501 638 01   | 3              |            |                                |
| 12           | 0000 504 416 00   | 3              |            | 4,3 DIN 9021 - A3C 140HV       |
| 13           | 0000 504 454 01   | 3              |            | M 4 x 10 ST A3C                |
| 14           | 0000 505 281 00   | 1              |            | M6x16DIN6912-8.8A3C KL360G     |
| 15           | 0000 501 444 00   | 1              |            | M 6 DIN 934 - 8 A3C            |
| 16           | 0000 501 143 00   | 2              |            | 6,4 x 17 x 3 DIN 7349 A3C      |
| 17           | 0000 501 771 00   | 1              |            | M 6 x 16 DIN 933-8.8 A3C       |
| 18           | 0000 501 445 00   | 2              |            | 6,4 DIN 125-St A3C             |
| 19           | 0000 013 268 10   | 1              |            | E-Start                        |
| 20           | 0000 040 995 00   | 1              |            |                                |
| 21           | 0000 051 975 00   | 4              |            | 6,5 x 12 x 20                  |
| 22           | 0000 013 267 10   | 1              |            |                                |
| 23           | 0000 013 262 00   | 1              |            |                                |
| 24           | -----             | -              |            |                                |
| 25           | 0000 041 115 00   | 1              |            | 119 mm                         |
| 26           | 0000 051 081 01   | 1              |            | 530 mm                         |
| 27           | 0000 041 246 01   | 1              |            | 443mm                          |
| 28           | 0000 040 606 00   | 1              |            | 6,4 x 16 x 1,5 A3C             |
| 29           | 0000 035 755 00   | 2              |            |                                |
| 30           | 0000 013 783 00   | 2              |            |                                |
| 31           | 0000 051 981 00   | 1              |            | 59 mm                          |
| 32           | 0000 504 533 00   | 1              |            |                                |
| 33           | 0000 015 996 10   | 1              |            |                                |
| 35           | 0000 504 950 00   | 1              |            | M 6 x 12 DIN 7380-10.9 A3C     |
| 36           | 0000 500 951 00   | 1              |            | A 8 DIN 137 A3C                |
| 37           | 0000 503 447 00   | 1              |            | M 8 DIN 936 - 5 A3C            |
| 42           | 0000 504 581 00   | 2              |            | M 6 x 45 DIN 835 - 8.8 A3B     |
| 43           | 0000 051 982 00   | 1              |            | 48 mm                          |
| 44           | 0000 040 420 00   | 3              |            | 6,5 x 22,5 x 1                 |
| 45           | 0000 040 984 00   | 2              |            | 7 x 12 x 16,3                  |
| 46           | 0000 042 150 00   | 0... 1         |            |                                |
| 47           | 0000 504 644 01   | 1              |            | M 6 x 35 DIN 939- 8.8 A3C Tuf. |
| 48           | 0000 503 283 00   | 1              |            | VM 6 DIN 980-8 A3C             |
| 49           | 0000 051 338 00   | 1              |            | 16 x 25 x 4                    |
| 50           | 0000 051 339 00   | 1              |            | 16 x 25 x 8                    |

Air ducting - 1B30  
Luftführung - 1B30  
Carter ventilation - 1B30  
Conducción de aire - 1B30  
Carter ventilatore - 1B30



| Fig.-<br>No.   | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen         |
|----------------|-------------------|---------------|------------|------------------------------|
| 1B30<br>EPA IV |                   |               |            |                              |
| 51             | 0000 051 327 00   | 1             |            | 6,5 x 17 x 11,5              |
| 52             | 0000 501 480 00   | 1             |            | M 8 DIN 934-8 A3C            |
| 53             | 0000 051 330 01   | 1             |            |                              |
| 54             | 0000 504 450 00   | 1             |            | M 6 x 35 DIN 7991 - 8.8 A3C  |
| 55             | 0000 051 328 10   | 1             |            | 7 x 12 x 18,3                |
| 56             | 0000 501 709 00   | 1             |            | 6 DIN 128 - A3C              |
| 57             | 0000 501 444 00   | 1             |            | M 6 DIN 934 - 8 A3C          |
| 58             | 0000 051 458 00   | 1             |            |                              |
| 59             | 0000 050 976 00   | 2             |            | 8,5 - 27                     |
| 60             | 0000 041 453 00   | 2             |            |                              |
| 61             | 0000 051 328 10   | 1             |            | 7 x 12 x 18,3                |
| 63             | 0000 016 035 00   | 1             |            |                              |
| 64             | 0000 503 348 00   | 2             |            |                              |
| 65             | 0000 052 190 00   | 1             |            | 118mm                        |
| 66             | 0000 503 926 10   | 0... 4        |            |                              |
| 67             | 0000 018 312 01   | 1             |            |                              |
| 70             | 0000 050 012 00   | 0... 1        |            |                              |
| 71             | 0000 053 141 01   | 1             |            | 1B30                         |
| 72             | 0000 504 742 00   | 2             |            | M6x16 DIN912-8.8 A3C Tuf.360 |

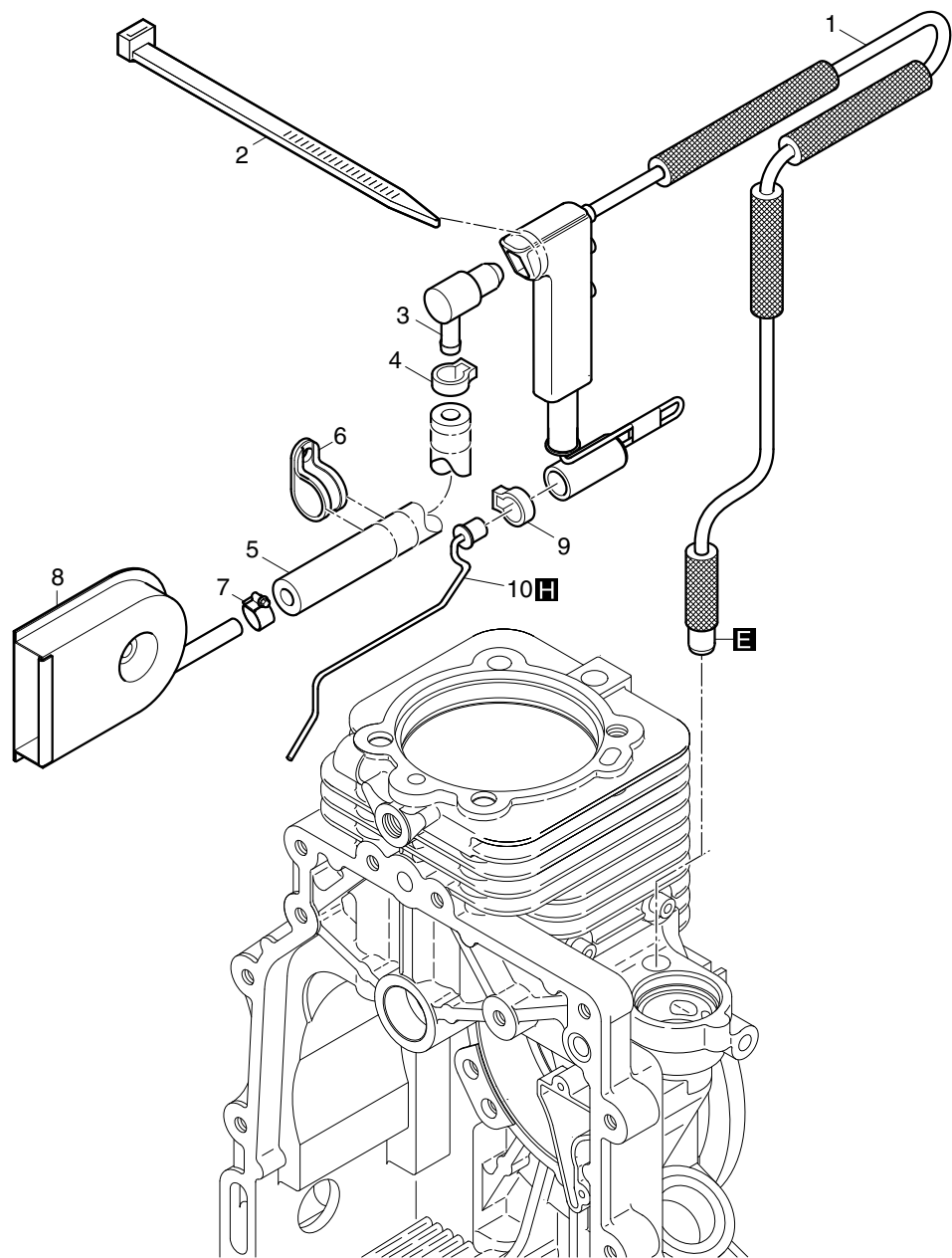
Crankcase breathing system  
Kurbelgehäuseentlüftung  
Reniflard  
Purgador  
Sfiato basamento



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen   |
|--------------|-------------------|----------------|----------------|----------------|------------|------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                        |
| 1            | 0000 018 856 00   | 1              | 1              | -              |            |                        |
| 1            | 0000 018 857 00   | -              | -              | 1              |            |                        |
| 2            | -----             | -              | -              | -              |            |                        |
| 3            | 0000 051 029 00   | 1              | 1              | 1              |            | Filter, Filtre, Filtro |
| 4            | 0000 050 981 00   | 1              | 1              | 1              |            |                        |
| 5            | 0000 051 562 00   | 1              | 1              | 1              |            | 6 x 35                 |
| 6            | 0000 053 065 00   | 1              | 1              | 1              |            |                        |
| 7            | 0000 015 516 00   | 1              | 1              | 1              |            |                        |
| 8            | 0000 504 568 00   | 1              | 1              | 1              |            |                        |
| 9            | 0000 015 564 03   | 0... 1         | 0... 1         | -              |            |                        |
| 9            | 0000 015 992 03   | -              | -              | 0... 1         |            |                        |

M31b

Crankcase breathing system  
Kurbelgehäuseentlüftung  
Reniflard  
Purgador  
Sfiato basamento



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück   | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|-----------------|------------|----------------------|
|              |                   | 1B20R<br>EPA IV |            |                      |
| 1            | 0000 016 988 11   | 1               |            |                      |
| 2            | 0000 504 395 00   | 1               |            | 2,6 x 200 mm Black   |
| 3            | 0000 019 577 00   | 1               |            |                      |
| 4            | 0000 506 159 00   | 1               |            |                      |
| 5            | 0000 053 669 01   | 1               |            |                      |
| 6            | 0000 504 605 00   | 1               |            |                      |
| 7            | 0000 400 261 00   | 1               |            | 10-16                |
| 8            | 0000 019 543 00   | 1               |            |                      |
| 9            | 0000 504 568 00   | 1               |            |                      |
| 10           | 0000 013 391 00   | 1               |            |                      |

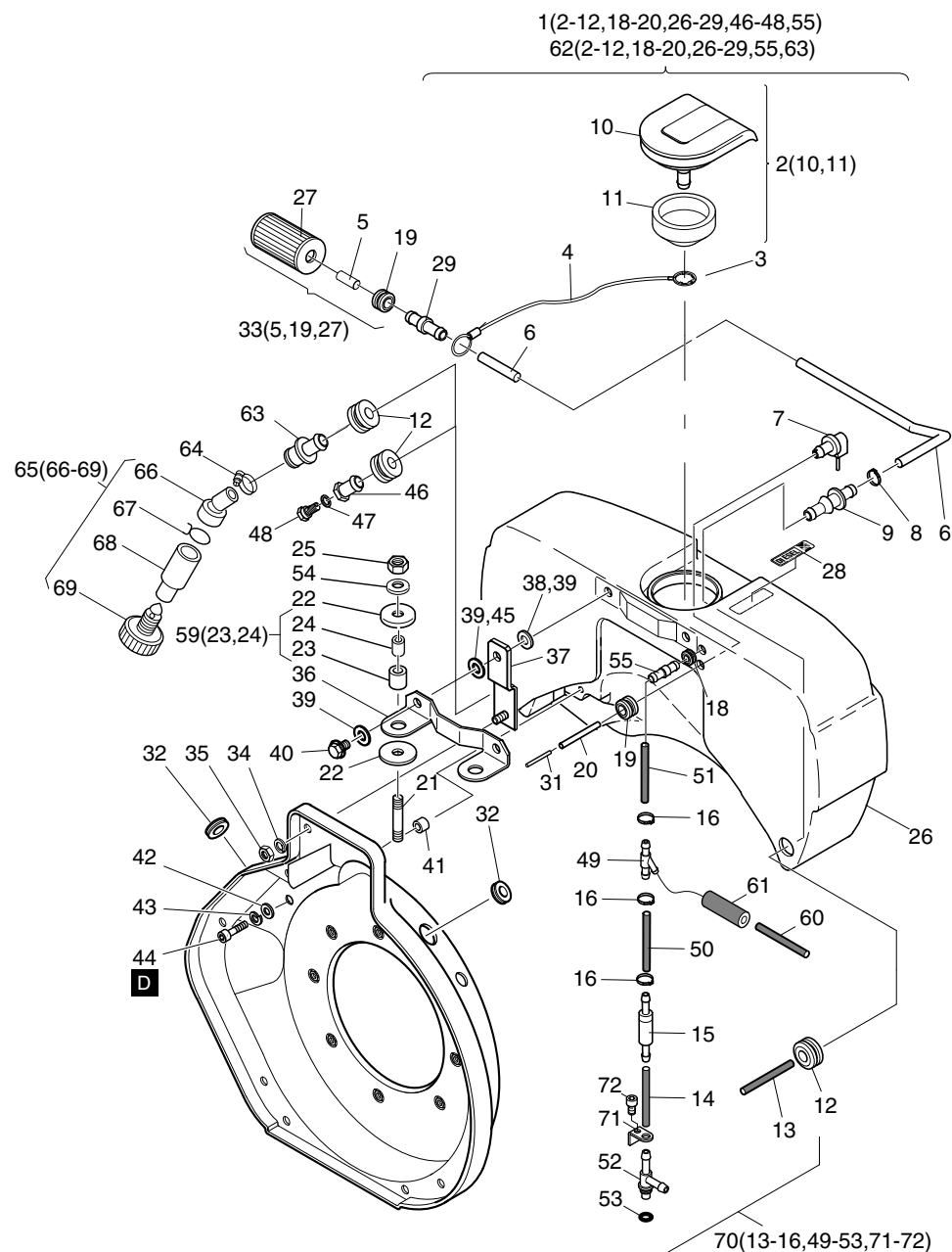
Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



Fig.-  
No.

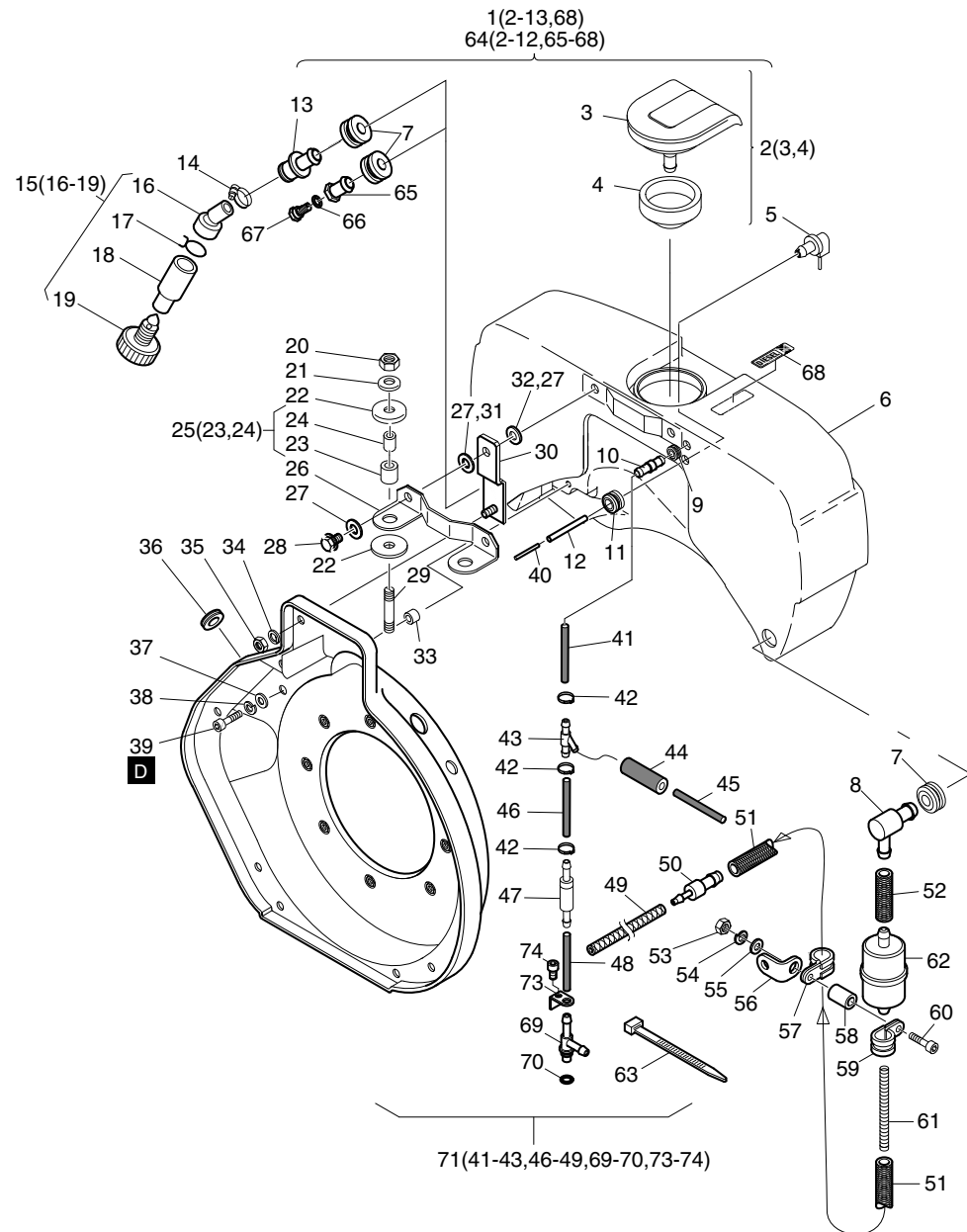
# Z01a

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



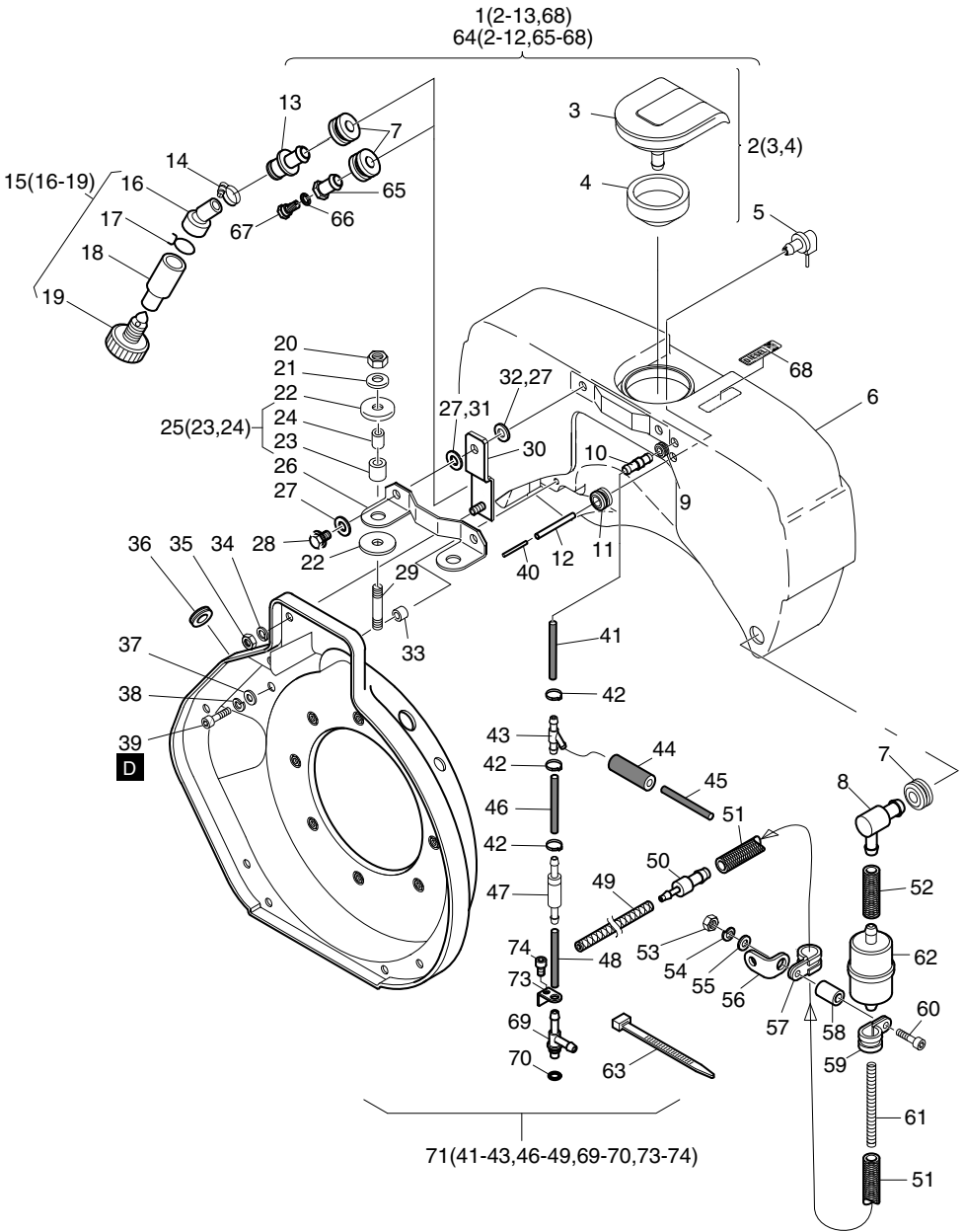
| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|------------------------|----------------|----------------|----------------|------------|---------------------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 43           | 0000 <b>501 709 00</b> | 2              | 2              | 4              |            | 6 DIN 128 - A3C                 |
| 44           | 0000 <b>501 707 00</b> | 2              | 2              | -              |            | M 6 x 16 DIN 912-8.8A3C         |
| 44           | 0000 <b>501 491 00</b> | -              | -              | 4              |            | M 6 x 12 DIN 912-8.8A3C         |
| 45           | 0000 <b>501 143 00</b> | -              | -              | 2              |            | 6,4 x 17 x 3 DIN 7349 A3C       |
| 46           | 0000 <b>052 357 00</b> | 1              | 1              | -              |            |                                 |
| 46           | 0000 <b>051 882 00</b> | -              | -              | 1              |            |                                 |
| 47           | 0000 <b>503 131 00</b> | 1              | 1              | 1              |            | A 6 x 10 DIN 7603-Cu.           |
| 48           | 0000 <b>036 136 00</b> | 1              | 1              | 1              |            | M 6 A3C                         |
| 49           | 0000 <b>051 756 02</b> | 1              | 1              | 1              |            |                                 |
| 50           | 0000 <b>053 105 00</b> | 1              | 1              | -              |            | 5 x 80                          |
| 50           | 0000 <b>038 071 10</b> | -              | -              | 1              |            | 5 x 150                         |
| 51           | 0000 <b>040 604 10</b> | 1              | 1              | 1              |            | 5 x 100                         |
| 52           | 0000 <b>017 568 00</b> | 1              | 1              | 1              |            |                                 |
| 53           | 0000 <b>501 543 00</b> | 1              | 1              | 1              |            |                                 |
| 54           | 0000 <b>501 481 00</b> | 2              | 2              | 2              |            | D1 7,5 x 1,5                    |
| 55           | 0000 <b>051 844 00</b> | 1              | 1              | 1              |            | 8,4 DIN 125-St A3C              |
| 59           | 0000 <b>016 558 00</b> | 2              | 2              | 2              |            |                                 |
| 60           | 0000 <b>052 150 01</b> | 1              | 1              | -              |            | 2,5 x 195                       |
| 60           | 0000 <b>042 820 00</b> | -              | -              | 1              |            | 2,5 x 245                       |
| 61           | 0000 <b>052 130 10</b> | 1              | 1              | 1              |            | 7 x 25                          |
| 62           | 0000 <b>016 502 10</b> | 1              | 1              | -              |            | 3 l für Wasserabscheider        |
| 62           | 0000 <b>016 667 10</b> | -              | -              | 1              |            | 5 l für Wasserabscheider        |
| 63           | 0000 <b>052 358 00</b> | 1              | 1              | -              |            |                                 |
| 63           | 0000 <b>051 723 00</b> | -              | -              | 1              |            |                                 |
| 64           | 0000 <b>504 480 00</b> | 1              | 1              | 1              |            |                                 |
| 65           | 0000 <b>015 194 02</b> | 1              | 1              | 1              |            |                                 |
| 66           | 0000 <b>050 440 01</b> | 1              | 1              | 1              |            |                                 |
| 67           | 0000 <b>050 369 00</b> | 1              | 1              | 1              |            |                                 |
| 68           | 0000 <b>050 439 01</b> | 1              | 1              | 1              |            |                                 |
| 69           | 0000 <b>504 148 00</b> | 1              | 1              | 1              |            | M 10                            |
| 70           | 0000 <b>022 988 00</b> | 1              | 1              | -              |            |                                 |
| 70           | 0000 <b>022 987 00</b> | -              | -              | 1              |            |                                 |
| 71           | 0000 <b>053 907 00</b> | 1              | 1              | 1              |            |                                 |
| 72           | 0000 <b>505 470 00</b> | 1              | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



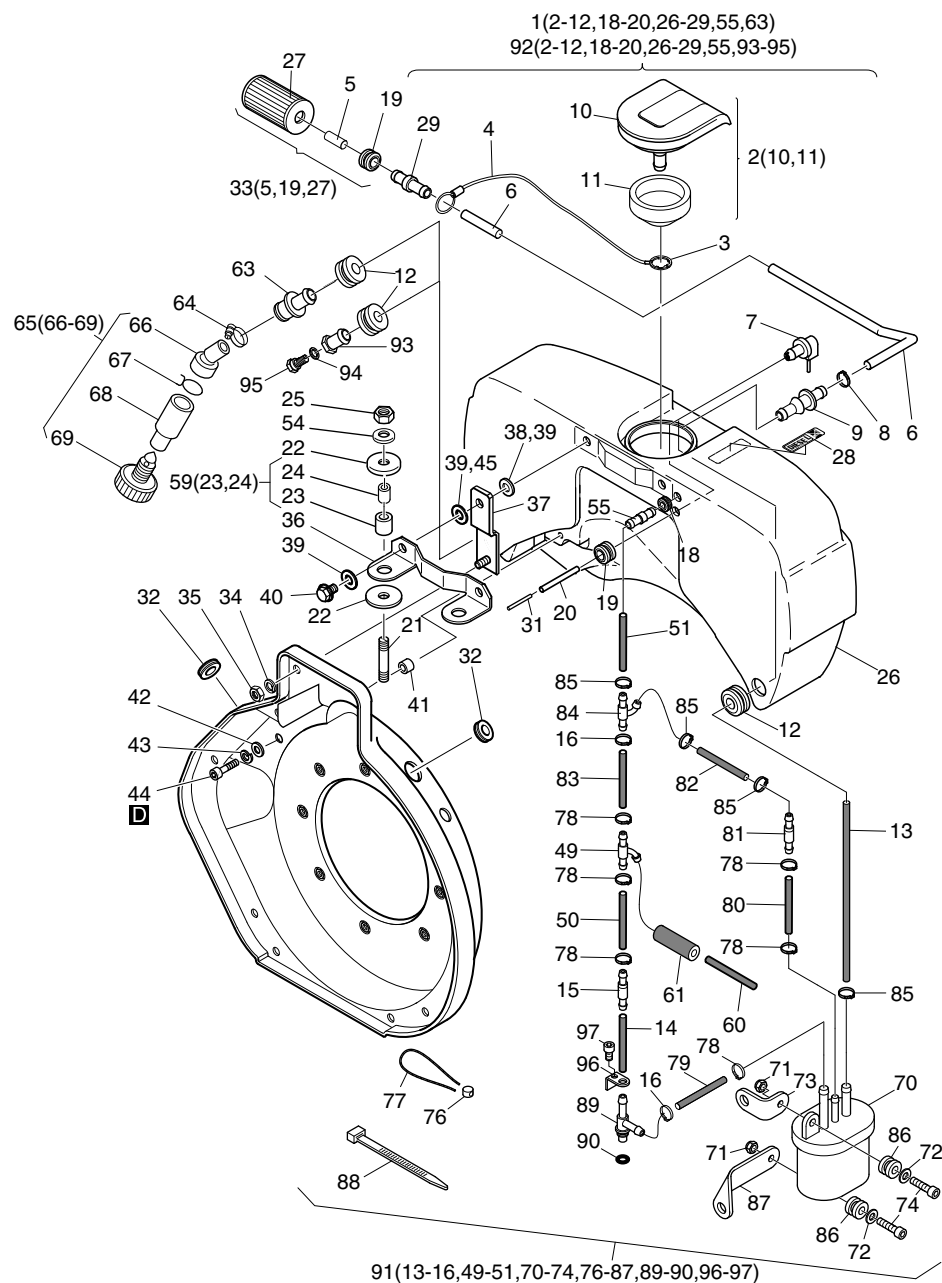
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|----------------|----------------|----------------|------------|---------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                           |
| 1            | 0000 017 031 00   | 1              | 1              | -              |            | 3 l                       |
| 1            | 0000 017 032 00   | -              | -              | 1              |            | 5 l                       |
| 2            | 0000 015 353 02   | 1              | 1              | 1              |            | kpl. cpl.                 |
| 3            | -----             | -              | -              | -              |            |                           |
| 4            | 0000 050 864 01   | 1              | 1              | 1              |            |                           |
| 5            | 0000 015 349 00   | 1              | 1              | 1              |            |                           |
| 6            | -----             | -              | -              | -              |            |                           |
| 7            | 0000 504 408 00   | 2              | 2              | 2              |            |                           |
| 8            | 0000 017 948 10   | 1              | 1              | 1              |            |                           |
| 9            | 0000 051 304 00   | 1              | 1              | 1              |            |                           |
| 10           | 0000 051 844 00   | 1              | 1              | 1              |            |                           |
| 11           | 0000 504 409 01   | 1              | 1              | 1              |            |                           |
| 12           | 0000 050 856 01   | 1              | 1              | 1              |            | 1 x 3 x 100               |
| 13           | 0000 052 358 00   | 1              | 1              | -              |            |                           |
| 13           | 0000 051 723 00   | -              | -              | 1              |            |                           |
| 14           | 0000 504 480 00   | 1              | 1              | 1              |            |                           |
| 15           | 0000 015 194 02   | 1              | 1              | 1              |            |                           |
| 16           | 0000 050 440 01   | 1              | 1              | 1              |            |                           |
| 17           | 0000 050 369 00   | 1              | 1              | 1              |            |                           |
| 18           | 0000 050 439 01   | 1              | 1              | 1              |            |                           |
| 19           | 0000 504 148 00   | 1              | 1              | 1              |            | M 10                      |
| 20           | 0000 400 284 00   | 2              | 2              | 2              |            | VM 8 DIN 980-8 C3A        |
| 21           | 0000 501 481 00   | 2              | 2              | 2              |            | 8,4 DIN 125-St A3C        |
| 22           | 0000 051 098 10   | 4              | 4              | 4              |            | 8,2 x 22 x 2              |
| 23           | -----             | -              | -              | -              |            |                           |
| 24           | 0000 051 228 00   | 2              | 2              | 2              |            |                           |
| 25           | 0000 016 558 00   | 2              | 2              | 2              |            |                           |
| 26           | 0000 051 085 11   | 1              | 1              | -              |            |                           |
| 26           | 0000 051 223 00   | -              | -              | 1              |            |                           |
| 27           | 0000 051 100 10   | 4              | 4              | 4              |            | 7,1 x 17,9 x 2            |
| 28           | 0000 015 570 00   | 2              | 2              | -              |            | M 6 x 18                  |
| 28           | 0000 016 771 00   | -              | -              | 2              |            | M 6 x 20                  |
| 29           | 0000 502 319 00   | 2              | 2              | 2              |            | M 8 x 25 DIN 835-8.8 A3C  |
| 30           | 0000 013 313 00   | 2              | 2              | 2              |            |                           |
| 31           | 0000 501 143 00   | -              | -              | 2              |            | 6,4 x 17 x 3 DIN 7349 A3C |
| 32           | 0000 501 200 00   | 2              | 2              | -              |            | A 6,4 DIN 9021-St A3C     |
| 33           | 0000 041 188 00   | 2              | 2              | -              |            | 6,5 x 13 x 4,8            |
| 34           | 0000 501 709 00   | 2              | 2              | 2              |            | 6 DIN 128 - A3C           |
| 35           | 0000 501 444 00   | 2              | 2              | 2              |            | M 6 DIN 934 - 8 A3C       |
| 36           | 0000 051 077 00   | 2              | 2              | -              |            |                           |
| 37           | 0000 501 445 00   | 2              | 2              | 4              |            | 6,4 DIN 125-St A3C        |
| 38           | 0000 501 709 00   | 2              | 2              | 4              |            | 6 DIN 128 - A3C           |
| 39           | 0000 501 707 00   | 2              | 2              | -              |            | M 6 x 16 DIN 912-8.8A3C   |
| 39           | 0000 501 491 00   | -              | -              | 4              |            | M 6 x 12 DIN 912-8.8A3C   |
| 40           | 0000 050 855 00   | 1              | 1              | 1              |            | 2 x 0,3 x 16              |

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|----------------|----------------|----------------|------------|---------------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 41           | 0000 040 604 10   | 1              | 1              | 1              |            | 5 x 100                         |
| 42           | 0000 505 709 00   | 3              | 3              | 3              |            | 12,8                            |
| 43           | 0000 051 756 02   | 1              | 1              | 1              |            |                                 |
| 44           | 0000 052 130 10   | 1              | 1              | 1              |            | 7 x 25                          |
| 45           | 0000 052 150 01   | 1              | 1              | -              |            | 2,5 x 195                       |
| 45           | 0000 042 820 00   | -              | -              | 1              |            | 2,5 x 245                       |
| 46           | 0000 053 105 00   | 1              | 1              | -              |            | 5 x 80                          |
| 46           | 0000 038 071 10   | -              | -              | 1              |            | 5 x 150                         |
| 47           | 0000 008 055 02   | 1              | 1              | 1              |            |                                 |
| 48           | 0000 053 664 00   | 1              | 1              | 1              |            | 6 x 12 x 40mm                   |
| 49           | 0000 039 621 10   | 1              | 1              | -              |            | 3,5 x 160 mm                    |
| 49           | 0000 051 883 10   | -              | -              | 1              |            | 3,5 x 170 mm                    |
| 50           | 0000 053 068 00   | 1              | 1              | 1              |            |                                 |
| 51           | 0000 051 166 00   | 1              | 1              | 1              |            | 7 x 260                         |
| 52           | 0000 053 239 00   | 1              | 1              | 1              |            | 7 x 50                          |
| 53           | 0000 501 444 00   | 1              | 1              | 1              |            | M 6 DIN 934 - 8 A3C             |
| 54           | 0000 501 709 00   | 1              | 1              | 1              |            | 6 DIN 128 - A3C                 |
| 55           | 0000 501 445 00   | 1              | 1              | 1              |            | 6,4 DIN 125-St A3C              |
| 56           | 0000 035 439 00   | 1              | 1              | 1              |            |                                 |
| 57           | 0000 501 584 00   | 1              | 1              | 1              |            | 14 / 15                         |
| 58           | 0000 041 390 00   | 1              | 1              | 1              |            | 6,5 x 12 x 18                   |
| 59           | 0000 501 584 00   | 1              | 1              | 1              |            | 14 / 15                         |
| 60           | 0000 501 827 00   | 1              | 1              | 1              |            | M 6 x 40 DIN 912-8.8A3C         |
| 61           | 0000 032 106 02   | 1              | 1              | 1              |            |                                 |
| 62           | 0000 504 788 00   | 1              | 1              | 1              |            | Filter > -6°C                   |
| 62           | 0000 400 894 01   | 1              | 1              | 1              |            | Filter < -6°C                   |
| 63           | 0000 503 584 00   | 2              | 2              | 2              |            | 4,8 x 200 mm Black              |
| 64           | 0000 018 130 00   | 1              | 1              | -              |            | 3l                              |
| 64           | 0000 018 132 00   | -              | -              | 1              |            | 5l                              |
| 65           | 0000 052 357 00   | 1              | 1              | -              |            |                                 |
| 65           | 0000 051 882 00   | -              | -              | 1              |            |                                 |
| 66           | 0000 503 131 00   | 1              | 1              | 1              |            | A 6 x 10 DIN 7603-Cu.           |
| 67           | 0000 036 136 00   | 1              | 1              | 1              |            | M 6 A3C                         |
| 68           | 0000 052 356 02   | 1              | 1              | 1              |            | "DIESEL"                        |
| 69           | 0000 017 568 00   | 1              | 1              | 1              |            |                                 |
| 70           | 0000 501 543 00   | 1              | 1              | 1              |            | D1 7,5 x 1,5                    |
| 71           | 0000 022 988 00   | 1              | 1              | -              |            |                                 |
| 71           | 0000 022 987 00   | -              | -              | 1              |            |                                 |
| 73           | 0000 053 907 00   | 1              | 1              | 1              |            |                                 |
| 74           | 0000 505 470 00   | 1              | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

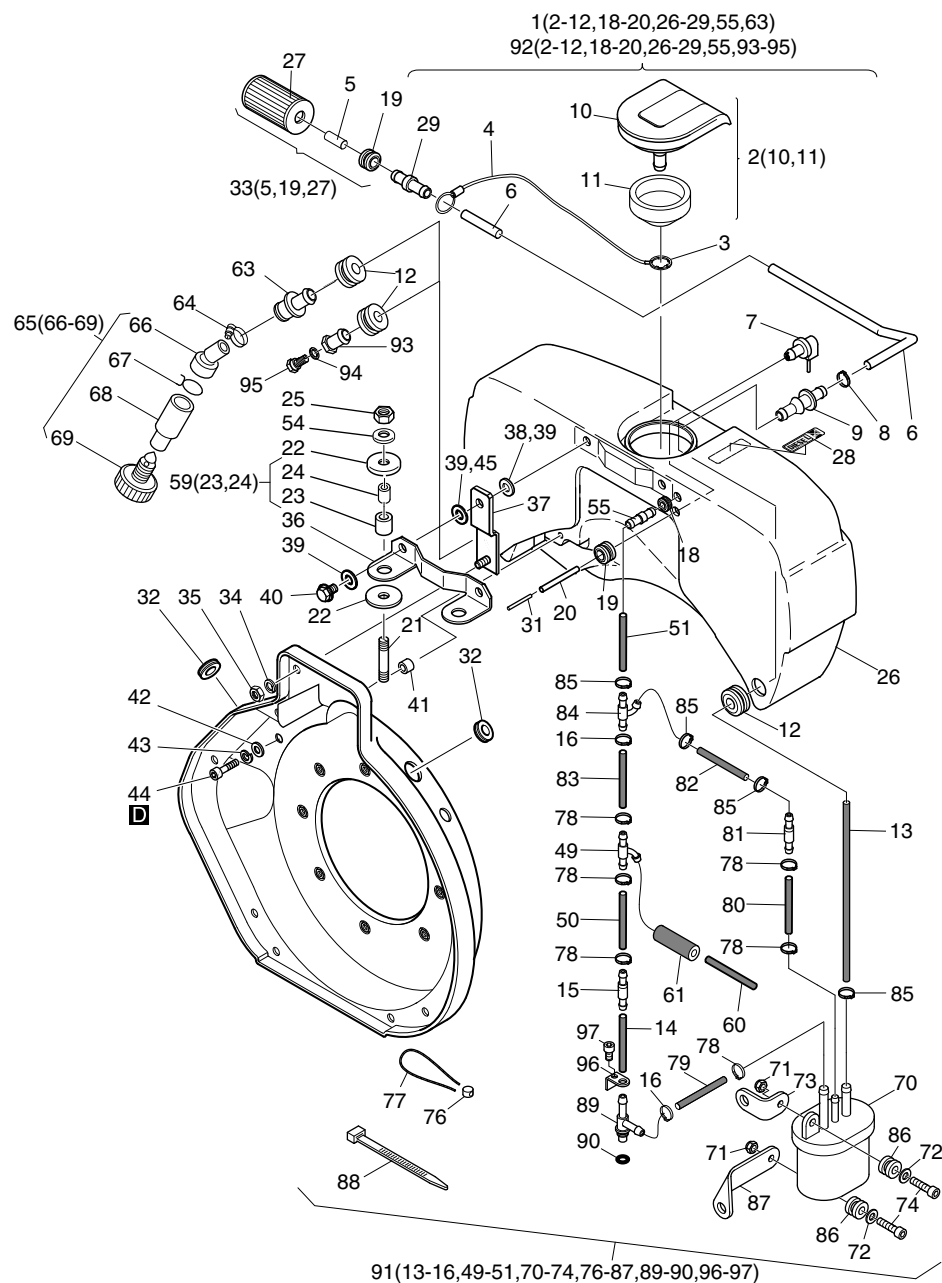
Fuel  
Kraftstoff - Doppelfilter  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|----------------|----------------|----------------|------------|---------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                           |
| 1            | 0000 016 502 10   | 1              | 1              | -              |            | 3 l für Wasserabscheider  |
| 1            | 0000 016 667 10   | -              | -              | 1              |            | 5 l für Wasserabscheider  |
| 2            | 0000 015 353 02   | 1              | 1              | 1              |            | kpl. cpl.                 |
| 3            | 0000 505 008 00   | 1              | 1              | 1              |            | 8 DIN 6799                |
| 4            | 0000 016 289 00   | 1              | 1              | 1              |            | ~440mm                    |
| 5            | -----             | -              | -              | -              |            |                           |
| 6            | 0000 053 109 00   | 1              | 1              | -              |            | 3,5 x 260                 |
| 6            | 0000 053 110 00   | -              | -              | 1              |            | 3,5 x 300                 |
| 7            | 0000 015 349 00   | 1              | 1              | 1              |            |                           |
| 8            | 0000 503 998 01   | 1              | 1              | 1              |            | 11,3                      |
| 9            | 0000 050 840 10   | 1              | 1              | 1              |            |                           |
| 10           | -----             | -              | -              | -              |            |                           |
| 11           | 0000 050 864 01   | 1              | 1              | 1              |            |                           |
| 12           | 0000 504 408 00   | 2              | 2              | 2              |            |                           |
| 13           | 0000 053 476 00   | 1              | 1              | 1              |            | 3,5 x 215                 |
| 14           | 0000 053 664 00   | 1              | 1              | 1              |            | 6 x 12 x 40mm             |
| 15           | 0000 015 346 01   | 1              | 1              | 1              |            |                           |
| 16           | 0000 505 900 00   | 2              | 2              | 2              |            | 12,0                      |
| 18           | 0000 051 304 00   | 1              | 1              | 1              |            |                           |
| 19           | 0000 504 409 01   | 2              | 2              | 2              |            |                           |
| 20           | 0000 050 856 01   | 1              | 1              | 1              |            | 1 x 3 x 100               |
| 21           | 0000 502 319 00   | 2              | 2              | 2              |            | M 8 x 25 DIN 835-8.8 A3C  |
| 22           | 0000 051 098 10   | 4              | 4              | 4              |            | 8,2 x 22 x 2              |
| 23           | -----             | -              | -              | -              |            |                           |
| 24           | 0000 051 228 00   | 2              | 2              | 2              |            |                           |
| 25           | 0000 400 284 00   | 2              | 2              | 2              |            | VM 8 DIN 980-8 C3A        |
| 26           | -----             | -              | -              | -              |            |                           |
| 27           | -----             | -              | -              | -              |            |                           |
| 28           | 0000 052 356 02   | 1              | 1              | 1              |            | "DIESEL"                  |
| 29           | 0000 051 890 01   | 1              | 1              | 1              |            |                           |
| 31           | 0000 050 855 00   | 1              | 1              | 1              |            | 2 x 0,3 x 16              |
| 32           | 0000 051 077 00   | 2              | 2              | -              |            |                           |
| 33           | 0000 016 352 10   | 1              | 1              | 1              |            | W2                        |
| 34           | 0000 501 709 00   | 2              | 2              | 2              |            | 6 DIN 128 - A3C           |
| 35           | 0000 501 444 00   | 2              | 2              | 2              |            | M 6 DIN 934 - 8 A3C       |
| 36           | 0000 051 085 11   | 1              | 1              | -              |            |                           |
| 36           | 0000 051 223 00   | -              | -              | 1              |            |                           |
| 37           | 0000 013 313 00   | 2              | 2              | 2              |            |                           |
| 38           | 0000 501 200 00   | 2              | 2              | -              |            | A 6,4 DIN 9021-St A3C     |
| 39           | 0000 051 100 10   | 4              | 4              | 4              |            | 7,1 x 17,9 x 2            |
| 40           | 0000 015 570 00   | 2              | 2              | -              |            | M 6 x 18                  |
| 40           | 0000 016 771 00   | -              | -              | 2              |            | M 6 x 20                  |
| 41           | 0000 041 188 00   | 2              | 2              | -              |            | 6,5 x 13 x 4,8            |
| 42           | 0000 501 445 00   | 2              | 2              | 4              |            | 6,4 DIN 125-St A3C        |
| 43           | 0000 501 709 00   | 2              | 2              | 4              |            | 6 DIN 128 - A3C           |
| 44           | 0000 501 707 00   | 2              | 2              | -              |            | M 6 x 16 DIN 912-8.8A3C   |
| 44           | 0000 501 491 00   | -              | -              | 4              |            | M 6 x 12 DIN 912-8.8A3C   |
| 45           | 0000 501 143 00   | -              | -              | 2              |            | 6,4 x 17 x 3 DIN 7349 A3C |
| 49           | 0000 051 756 02   | 1              | 1              | 1              |            |                           |

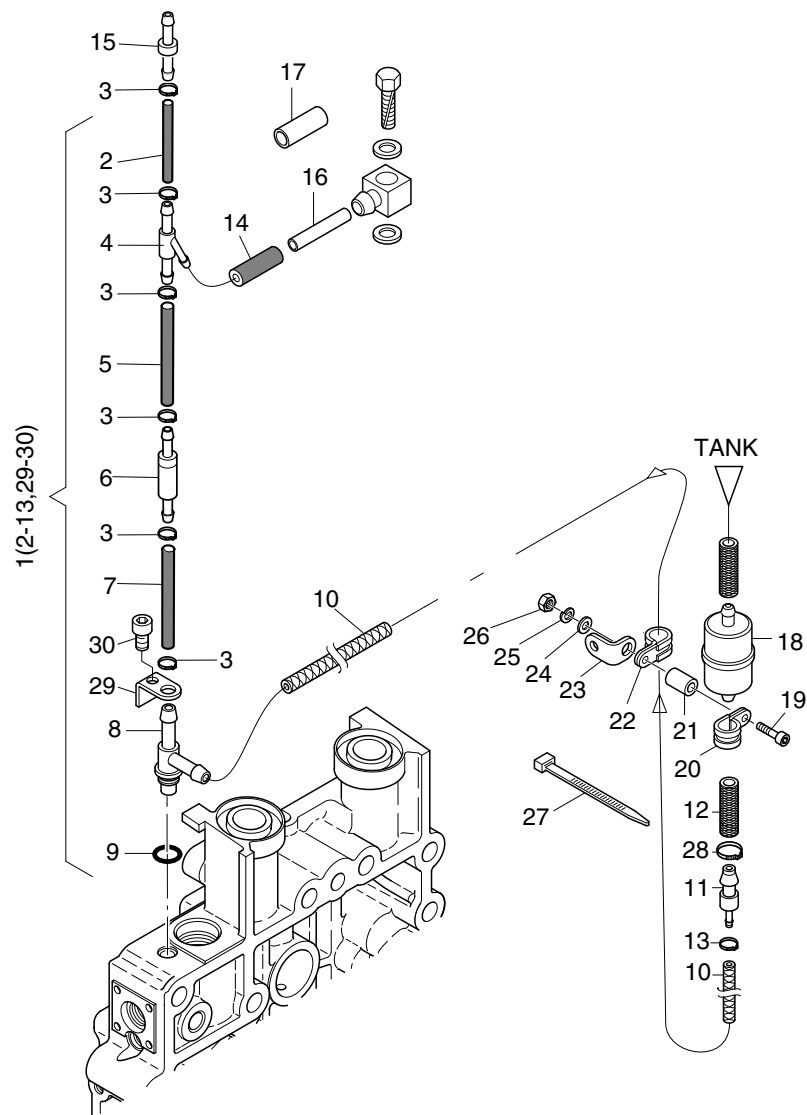
# Z01c

Fuel  
Kraftstoff - Doppelfilter  
Carburant  
Combustible  
Serbatoio



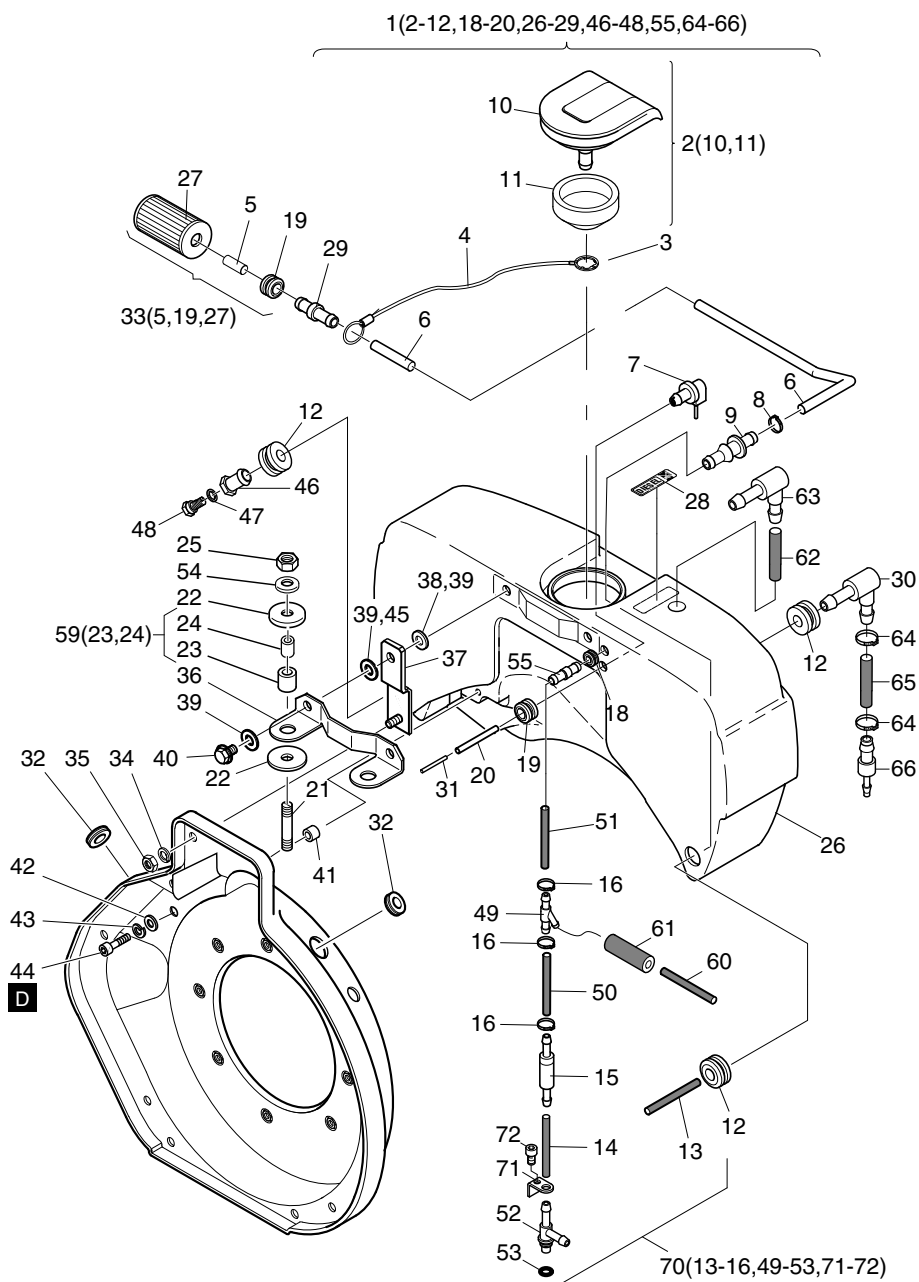
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|----------------|----------------|----------------|------------|---------------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 50           | 0000 053 105 00   | 1              | 1              | -              |            | 5 x 80                          |
| 50           | 0000 038 071 10   | -              | -              | 1              |            | 5 x 150                         |
| 51           | 0000 053 069 00   | 1              | 1              | 1              |            | 5 x 40                          |
| 54           | 0000 501 481 00   | 2              | 2              | 2              |            | 8,4 DIN 125-St A3C              |
| 55           | 0000 051 844 00   | 1              | 1              | 1              |            |                                 |
| 59           | 0000 016 558 00   | 2              | 2              | 2              |            |                                 |
| 60           | 0000 052 150 01   | 1              | 1              | -              |            | 2,5 x 195                       |
| 60           | 0000 042 820 00   | -              | -              | 1              |            | 2,5 x 245                       |
| 61           | 0000 052 130 10   | 1              | 1              | 1              |            | 7 x 25                          |
| 63           | 0000 052 358 00   | 1              | 1              | -              |            |                                 |
| 63           | 0000 051 723 00   | -              | -              | 1              |            |                                 |
| 64           | 0000 504 480 00   | 1              | 1              | 1              |            |                                 |
| 65           | 0000 015 194 02   | 1              | 1              | 1              |            |                                 |
| 66           | 0000 050 440 01   | 1              | 1              | 1              |            |                                 |
| 67           | 0000 050 369 00   | 1              | 1              | 1              |            |                                 |
| 68           | 0000 050 439 01   | 1              | 1              | 1              |            |                                 |
| 69           | 0000 504 148 00   | 1              | 1              | 1              |            | M 10                            |
| 70           | 0000 019 197 02   | 1              | 1              | 1              |            |                                 |
| 71           | 0000 505 016 00   | 2              | 2              | 2              |            | M 4 DIN 985 - 6 Zn              |
| 72           | 0000 504 416 00   | 2              | 2              | 2              |            | 4,3 DIN 9021 - A3C 140HV        |
| 73           | 0000 052 795 00   | 1              | 1              | 1              |            |                                 |
| 74           | 0000 504 469 00   | 2              | 2              | 2              |            | M 4 x 16 DIN 912-8.8 A3C Tuf.   |
| 76           | 0000 400 214 00   | 1              | 1              | 1              |            | 8 mm ø                          |
| 77           | 0000 400 215 00   | 1              | 1              | 1              |            | 0,5 / 0,3 x 200                 |
| 78           | 0000 505 709 00   | 6              | 6              | 6              |            | 12,8                            |
| 79           | 0000 036 738 10   | 1              | 1              | -              |            | 5 x 275                         |
| 79           | 0000 052 839 10   | -              | -              | 1              |            | 5 x 285                         |
| 80           | 0000 052 839 10   | 1              | 1              | 1              |            | 5 x 285                         |
| 81           | 0000 008 055 02   | 1              | 1              | 1              |            |                                 |
| 82           | 0000 036 637 10   | 1              | 1              | 1              |            | 5 x 50 mm                       |
| 83           | 0000 051 819 10   | 1              | 1              | -              |            | 5 x 35 mm                       |
| 83           | 0000 036 638 10   | -              | -              | 1              |            | 5 x 40 mm                       |
| 84           | 0000 051 227 01   | 1              | 1              | 1              |            |                                 |
| 85           | 0000 503 998 01   | 4              | 4              | 4              |            | 11,3                            |
| 86           | 0000 505 566 00   | 2              | 2              | 2              |            |                                 |
| 87           | 0000 052 794 00   | 1              | 1              | 1              |            |                                 |
| 88           | 0000 503 584 00   | 2              | 2              | 2              |            | 4,8 x 200 mm Black              |
| 89           | 0000 017 568 00   | 1              | 1              | 1              |            |                                 |
| 90           | 0000 501 543 00   | 1              | 1              | 1              |            | D1 7,5 x 1,5                    |
| 91           | 0000 022 992 00   | 1              | 1              | -              |            |                                 |
| 91           | 0000 022 993 00   | -              | -              | 1              |            |                                 |
| 92           | 0000 015 788 30   | 1              | 1              | -              |            | 3 l                             |
| 92           | 0000 015 886 20   | -              | -              | 1              |            | 5 l                             |
| 93           | 0000 052 357 00   | 1              | 1              | -              |            |                                 |
| 93           | 0000 051 882 00   | -              | -              | 1              |            |                                 |
| 94           | 0000 503 131 00   | 1              | 1              | 1              |            | A 6 x 10 DIN 7603-Cu.           |
| 95           | 0000 036 136 00   | 1              | 1              | 1              |            | M 6 A3C                         |
| 96           | 0000 053 907 00   | 1              | 1              | 1              |            |                                 |
| 97           | 0000 505 470 00   | 1              | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



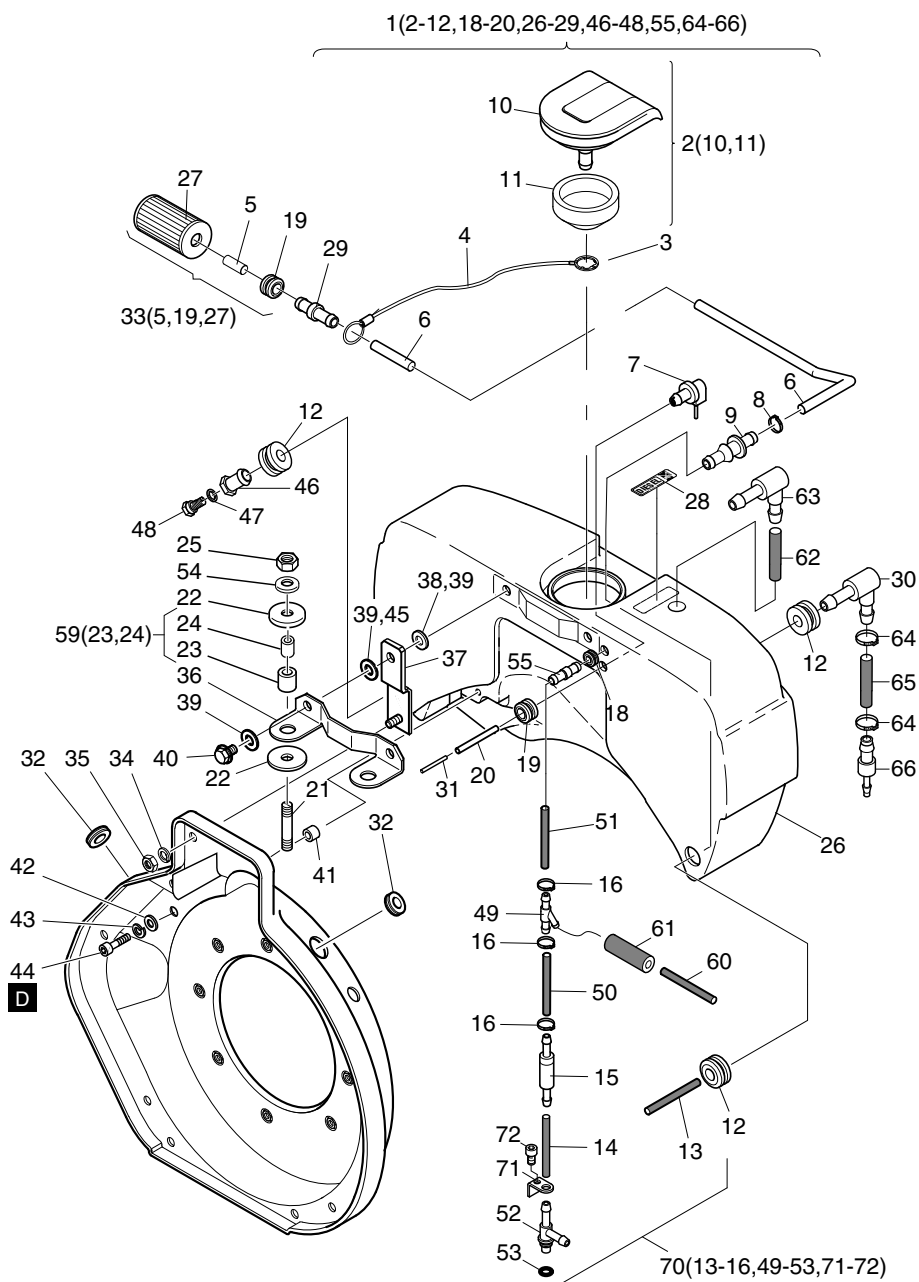
| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|---------------------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 1            | 0000 <b>022 989 00</b> | 1              | 1               | 1              | -              |            |                                 |
| 1            | 0000 <b>022 990 00</b> | -              | -               | -              | 1              |            |                                 |
| 2            | 0000 <b>040 604 10</b> | 1              | 1               | 1              | 1              |            | 5 x 100                         |
| 3            | 0000 <b>505 709 00</b> | 5              | 5               | 5              | 5              |            | 12,8                            |
| 4            | 0000 <b>051 756 02</b> | 1              | 1               | 1              | 1              |            |                                 |
| 5            | 0000 <b>053 105 00</b> | 1              | 1               | 1              | -              |            | 5 x 80                          |
| 5            | 0000 <b>038 071 10</b> | -              | -               | -              | 1              |            | 5 x 150                         |
| 6            | 0000 <b>008 055 02</b> | 1              | 1               | 1              | 1              |            |                                 |
| 7            | 0000 <b>051 232 00</b> | 1              | 1               | 1              | 1              |            | 3,5 x 40                        |
| 8            | 0000 <b>017 568 00</b> | 1              | 1               | 1              | 1              |            |                                 |
| 9            | 0000 <b>501 543 00</b> | 1              | 1               | 1              | 1              |            | 7,5 x 1,5                       |
| 10           | 0000 <b>038 993 10</b> | 1              | 1               | 1              | -              |            | 3,5 x 400                       |
| 10           | 0000 <b>052 207 10</b> | -              | -               | -              | 1              |            | 3,5 x 430                       |
| 11           | 0000 <b>053 068 00</b> | 1              | 1               | 1              | 1              |            |                                 |
| 12           | 0000 <b>053 239 00</b> | 1              | 1               | 1              | 1              |            | 7 x 50                          |
| 13           | 0000 <b>503 998 01</b> | 1              | 1               | 1              | 1              |            | 11,3                            |
| 14           | 0000 <b>052 130 10</b> | 1              | -               | 1              | -              |            | 7 x 25                          |
| 14           | 0000 <b>053 664 00</b> | -              | -               | -              | 1              |            | 6 x 12 x 40mm                   |
| 15           | 0000 <b>502 796 00</b> | 1              | -               | 1              | 1              |            |                                 |
| 16           | 0000 <b>052 150 01</b> | 1              | -               | 1              | -              |            | 2,5 x 195                       |
| 16           | 0000 <b>042 820 00</b> | -              | -               | -              | 1              |            | 2,5 x 245                       |
| 17           | 0000 <b>052 679 00</b> | 1              | -               | 1              | 1              |            | 120 mm                          |
| 18           | 0000 <b>504 788 00</b> | 1              | -               | 1              | 1              |            | Filter > -6°C                   |
| 18           | 0000 <b>400 894 01</b> | 1              | -               | 1              | 1              |            | Filter < -6°C                   |
| 19           | 0000 <b>503 239 00</b> | 1              | -               | 1              | 1              |            | M 6 x 30 DIN 912-8.8A3C         |
| 20           | 0000 <b>501 584 00</b> | 1              | -               | 1              | 1              |            | 14 / 15                         |
| 21           | 0000 <b>051 327 00</b> | 1              | -               | 1              | 1              |            | 6,5 x 17 x 11,5                 |
| 22           | 0000 <b>501 735 00</b> | 1              | -               | 1              | 1              |            | 10 / 15                         |
| 23           | 0000 <b>035 439 00</b> | 1              | -               | 1              | 1              |            |                                 |
| 24           | 0000 <b>501 445 00</b> | 1              | -               | 1              | 1              |            | 6,4 DIN 125-St A3C              |
| 25           | 0000 <b>501 709 00</b> | 1              | -               | 1              | 1              |            | 6 DIN 128 - A3C                 |
| 26           | 0000 <b>501 444 00</b> | 1              | -               | 1              | 1              |            | M 6 DIN 934 - 8 A3C             |
| 27           | 0000 <b>503 584 00</b> | 1              | -               | 1              | 1              |            | 4,8 x 200 mm Black              |
| 28           | 0000 <b>505 238 00</b> | 1              | 1               | 1              | 1              |            | 16,0                            |
| 29           | 0000 <b>053 907 00</b> | 1              | 1               | 1              | 1              |            |                                 |
| 30           | 0000 <b>505 470 00</b> | 1              | 1               | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|------------------------|----------------|----------------|------------|--------------------------|
|              |                        | 1B20<br>EPA IV | 1B30<br>EPA IV |            |                          |
| 1            | 0000 <b>016 118 21</b> | 1              | -              |            | 3l                       |
| 1            | 0000 <b>016 120 21</b> | -              | 1              |            | 5l                       |
| 2            | 0000 <b>015 353 02</b> | 1              | 1              |            | kpl. cpl.                |
| 3            | 0000 <b>505 008 00</b> | 1              | 1              |            | 8 DIN 6799               |
| 4            | 0000 <b>016 289 00</b> | 1              | 1              |            | ~440mm                   |
| 5            | -----                  | -              | -              |            |                          |
| 6            | 0000 <b>053 109 00</b> | 1              | -              |            | 3,5 x 260                |
| 6            | 0000 <b>053 110 00</b> | -              | 1              |            | 3,5 x 300                |
| 7            | 0000 <b>015 349 00</b> | 1              | 1              |            |                          |
| 8            | 0000 <b>503 998 01</b> | 1              | 1              |            | 11,3                     |
| 9            | 0000 <b>050 840 10</b> | 1              | 1              |            |                          |
| 10           | -----                  | -              | -              |            |                          |
| 11           | 0000 <b>050 864 01</b> | 1              | 1              |            |                          |
| 12           | 0000 <b>504 408 00</b> | 2              | 2              |            |                          |
| 13           | 0000 <b>039 621 10</b> | 1              | -              |            | 3,5 x 160 mm             |
| 13           | 0000 <b>051 883 10</b> | -              | 1              |            | 3,5 x 170 mm             |
| 14           | 0000 <b>053 664 00</b> | 1              | 1              |            | 6 x 12 x 40mm            |
| 15           | 0000 <b>008 055 02</b> | 1              | 1              |            |                          |
| 16           | 0000 <b>505 709 00</b> | 3              | 3              |            | 12,8                     |
| 18           | 0000 <b>051 304 00</b> | 1              | 1              |            |                          |
| 19           | 0000 <b>504 409 01</b> | 2              | 2              |            |                          |
| 20           | 0000 <b>050 856 01</b> | 1              | 1              |            | 1 x 3 x 100              |
| 21           | 0000 <b>502 319 00</b> | 2              | 2              |            | M 8 x 25 DIN 835-8.8 A3C |
| 22           | 0000 <b>051 098 10</b> | 4              | 4              |            | 8,2 x 22 x 2             |
| 23           | -----                  | -              | -              |            |                          |
| 24           | 0000 <b>051 228 00</b> | 2              | 2              |            |                          |
| 25           | 0000 <b>400 284 00</b> | 2              | 2              |            | VM 8 DIN 980-8 C3A       |
| 26           | -----                  | -              | -              |            |                          |
| 27           | -----                  | -              | -              |            |                          |
| 28           | 0000 <b>052 356 02</b> | 1              | 1              |            | "DIESEL"                 |
| 29           | 0000 <b>051 890 01</b> | 1              | 1              |            |                          |
| 30           | 0000 <b>016 840 20</b> | 1              | 1              |            |                          |
| 31           | 0000 <b>050 855 00</b> | 1              | 1              |            | 2 x 0,3 x 16             |
| 32           | 0000 <b>051 077 00</b> | 2              | -              |            |                          |
| 33           | 0000 <b>016 352 10</b> | 1              | 1              |            | W2                       |
| 34           | 0000 <b>501 709 00</b> | 2              | 2              |            | 6 DIN 128 - A3C          |
| 35           | 0000 <b>501 444 00</b> | 2              | 2              |            | M 6 DIN 934 - 8 A3C      |
| 36           | 0000 <b>051 085 11</b> | 1              | -              |            |                          |
| 36           | 0000 <b>051 223 00</b> | -              | 1              |            |                          |
| 37           | 0000 <b>013 313 00</b> | 2              | 2              |            |                          |
| 38           | 0000 <b>501 200 00</b> | 2              | -              |            | A 6,4 DIN 9021-St A3C    |
| 39           | 0000 <b>051 100 10</b> | 4              | 4              |            | 7,1 x 17,9 x 2           |
| 40           | 0000 <b>015 570 00</b> | 2              | -              |            | M 6 x 18                 |
| 40           | 0000 <b>016 771 00</b> | -              | 2              |            | M 6 x 20                 |
| 41           | 0000 <b>041 188 00</b> | 2              | -              |            | 6,5 x 13 x 4,8           |

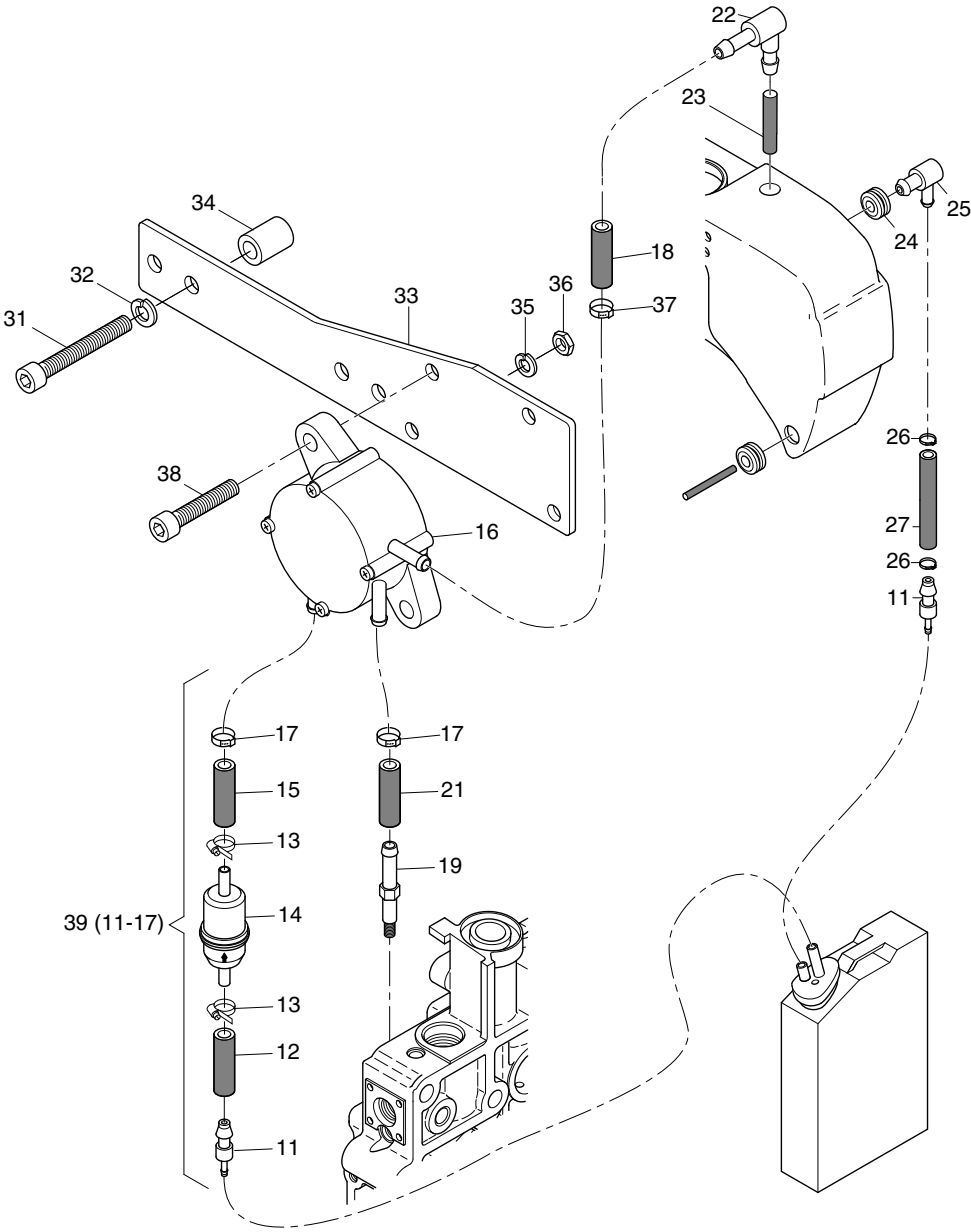
Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|------------------------|----------------|----------------|------------|---------------------------------|
|              |                        | 1B20<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 42           | 0000 <b>501 445 00</b> | 2              | 4              |            | 6,4 DIN 125-St A3C              |
| 43           | 0000 <b>501 709 00</b> | 2              | 4              |            | 6 DIN 128 - A3C                 |
| 44           | 0000 <b>501 707 00</b> | 2              | -              |            | M 6 x 16 DIN 912-8.8A3C         |
| 44           | 0000 <b>501 491 00</b> | -              | 4              |            | M 6 x 12 DIN 912-8.8A3C         |
| 45           | 0000 <b>501 143 00</b> | -              | 2              |            | 6,4 x 17 x 3 DIN 7349 A3C       |
| 46           | 0000 <b>052 357 00</b> | 1              | 1              |            |                                 |
| 47           | 0000 <b>503 131 00</b> | 1              | 1              |            | A 6 x 10 DIN 7603-Cu.           |
| 48           | 0000 <b>036 136 00</b> | 1              | 1              |            | M 6 A3C                         |
| 49           | 0000 <b>051 756 02</b> | 1              | 1              |            |                                 |
| 50           | 0000 <b>051 888 10</b> | 1              | -              |            | 5 x 120                         |
| 50           | 0000 <b>038 071 10</b> | -              | 1              |            | 5 x 150                         |
| 51           | 0000 <b>051 368 10</b> | 1              | 1              |            | 5 x 90                          |
| 52           | 0000 <b>017 568 00</b> | 1              | 1              |            |                                 |
| 53           | 0000 <b>501 543 00</b> | 1              | 1              |            |                                 |
| 54           | 0000 <b>501 481 00</b> | 2              | 2              |            | D1 7,5 x 1,5                    |
| 55           | 0000 <b>051 844 00</b> | 1              | 1              |            | 8,4 DIN 125-St A3C              |
| 59           | 0000 <b>016 558 00</b> | 2              | 2              |            |                                 |
| 60           | 0000 <b>052 150 01</b> | 1              | -              |            | 2,5 x 195                       |
| 60           | 0000 <b>042 820 00</b> | -              | 1              |            | 2,5 x 245                       |
| 61           | 0000 <b>052 130 10</b> | 1              | 1              |            | 7 x 25                          |
| 62           | 0000 <b>052 518 00</b> | 1              | 1              |            | 20mm                            |
| 63           | 0000 <b>505 377 00</b> | 1              | 1              |            | WS 6                            |
| 64           | 0000 <b>505 238 00</b> | 2              | 2              |            | 16,0                            |
| 65           | 0000 <b>037 014 10</b> | 1              | 1              |            | 7 x 100                         |
| 66           | 0000 <b>052 404 00</b> | 1              | -              |            |                                 |
| 66           | 0000 <b>042 404 00</b> | -              | 1              |            | 1,25 mm                         |
| 70           | 0000 <b>022 988 00</b> | 1              | -              |            |                                 |
| 70           | 0000 <b>022 987 00</b> | -              | 1              |            |                                 |
| 71           | 0000 <b>053 907 00</b> | 1              | 1              |            |                                 |
| 72           | 0000 <b>505 470 00</b> | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

Z01f

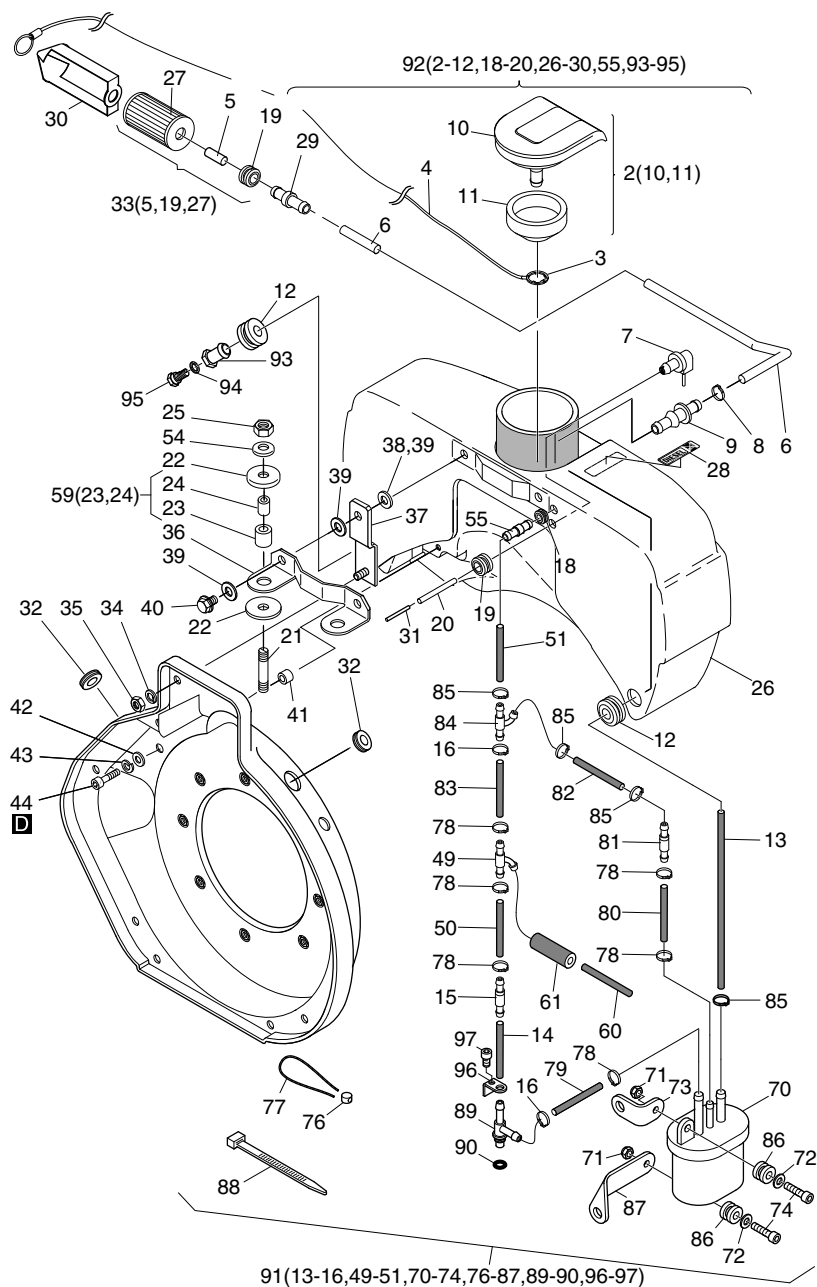
Fuel feed pump  
Kraftstoffförderpumpe  
Pompe d'alimentation  
Bomba de alimentación  
Pompa A. C.



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|----------------|----------------|------------|-------------------------|
|              |                   | 1B20<br>EPA IV | 1B30<br>EPA IV |            |                         |
| 11           | 0000 052 404 00   | 2              | 2              |            |                         |
| 12           | 0000 034 931 10   | 1              | 1              |            | 7 x 60                  |
| 13           | 0000 400 261 00   | 2              | 2              |            | 10-16                   |
| 14           | 0000 503 170 00   | 1              | 1              |            | Vorfilter, prefilter    |
| 15           | 0000 050 900 10   | 1              | 1              |            | 7 x 120                 |
| 16           | 0000 053 950 00   | 1              | 1              |            |                         |
| 17           | 0000 505 238 00   | 2              | 2              |            | 16,0                    |
| 18           | 0000 053 471 00   | 1              | 1              |            | 5,3 x 300               |
| 19           | 0000 052 432 01   | 1              | 1              |            |                         |
| 21           | 0000 037 014 10   | 1              | 1              |            | 7 x 100                 |
| 22           | 0000 505 377 00   | 1              | 1              |            | WS 6                    |
| 23           | 0000 052 518 00   | 1              | 1              |            | 20mm                    |
| 24           | 0000 504 408 00   | 1              | 1              |            |                         |
| 25           | 0000 016 840 20   | 1              | 1              |            |                         |
| 26           | 0000 505 238 00   | 2              | 2              |            | 16,0                    |
| 27           | 0000 037 014 10   | 1              | 1              |            | 7 x 100                 |
| 31           | 0000 503 749 00   | 2              | 2              |            | M 6 x 35 DIN 912-8.8A3C |
| 32           | 0000 501 709 00   | 2              | 2              |            | 6 DIN 128 - A3C         |
| 33           | 0000 052 421 10   | 1              | 1              |            |                         |
| 34           | 0000 040 984 00   | 2              | 2              |            | 7 x 12 x 16,3           |
| 35           | 0000 500 812 00   | 2              | 2              |            | A 6 DIN 137 - A3C       |
| 36           | 0000 503 283 00   | 2              | 2              |            | VM 6 DIN 980-8 A3C      |
| 37           | 0000 505 112 01   | 1              | 1              |            | 14,5                    |
| 38           | 0000 501 706 00   | 2              | 2              |            | M 6 x 20 DIN 912-8.8A3C |
| 39           | 0000 019 254 10   | 1              | 1              |            |                         |

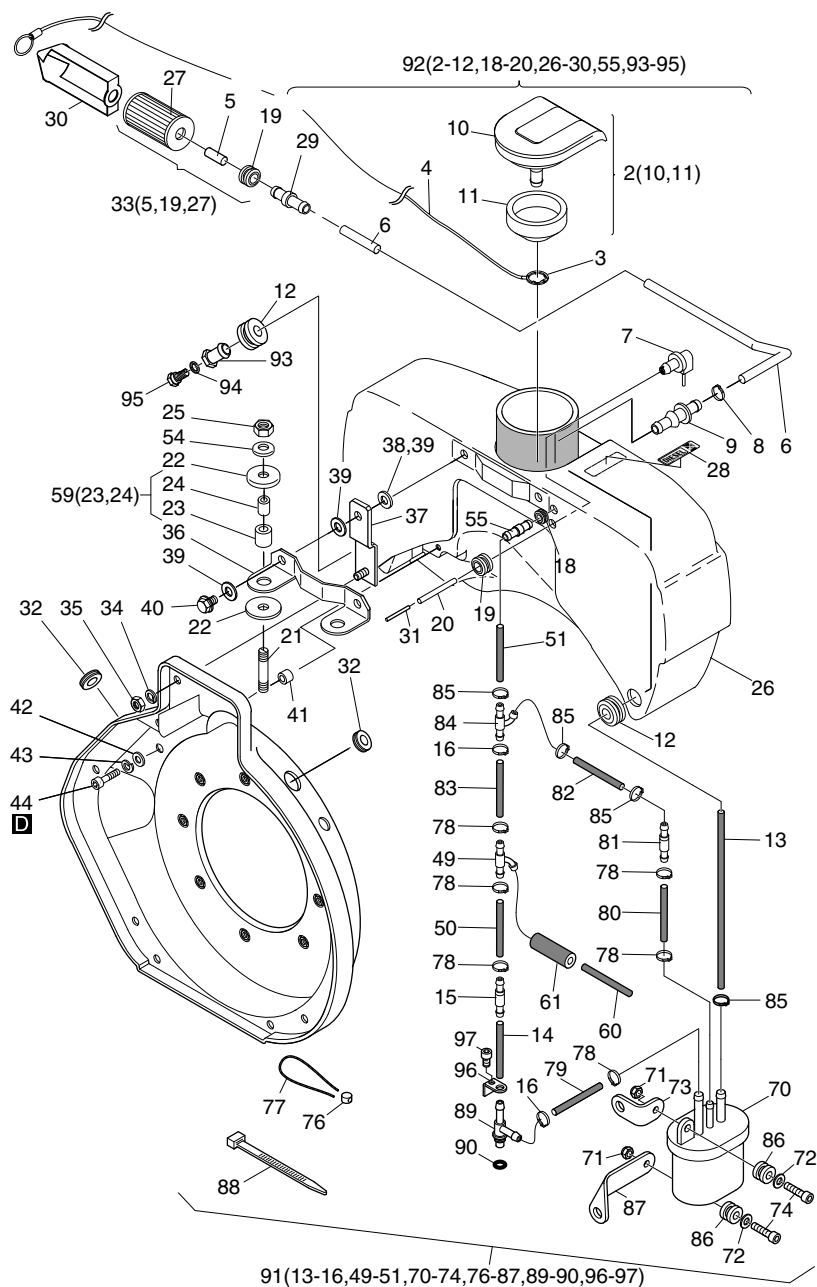
Z01g

Fuel  
Kraftstoff - Doppelfilter  
Carburant  
Combustible  
Serbatoio



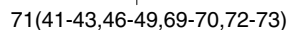
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|----------------|----------------|----------------|------------|--------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                          |
| 2            | 0000 015 353 02   | 1              | 1              | 1              |            | kpl. cpl.                |
| 3            | 0000 505 008 00   | 1              | 1              | 1              |            | 8 DIN 6799               |
| 4            | 0000 016 289 00   | 1              | 1              | 1              |            | ~440mm                   |
| 5            | -----             | -              | -              | -              |            |                          |
| 6            | 0000 053 109 00   | 1              | 1              | -              |            | 3,5 x 260                |
| 6            | 0000 053 110 00   | -              | -              | 1              |            | 3,5 x 300                |
| 7            | 0000 015 349 00   | 1              | 1              | 1              |            |                          |
| 8            | 0000 503 998 01   | 1              | 1              | 1              |            | 11,3                     |
| 9            | 0000 050 840 10   | 1              | 1              | 1              |            |                          |
| 10           | -----             | -              | -              | -              |            |                          |
| 11           | 0000 050 864 01   | 1              | 1              | 1              |            |                          |
| 12           | 0000 504 408 00   | 2              | 2              | 2              |            |                          |
| 13           | 0000 053 476 00   | 1              | 1              | 1              |            | 3,5 x 215                |
| 14           | 0000 053 664 00   | 1              | 1              | 1              |            | 6 x 12 x 40mm            |
| 15           | 0000 015 346 01   | 1              | 1              | 1              |            |                          |
| 16           | 0000 505 900 00   | 2              | 2              | 2              |            | 12,0                     |
| 18           | 0000 051 304 00   | 1              | 1              | 1              |            |                          |
| 19           | 0000 504 409 01   | 2              | 2              | 2              |            |                          |
| 20           | 0000 050 856 01   | 1              | 1              | 1              |            | 1 x 3 x 100              |
| 21           | 0000 502 319 00   | 2              | 2              | 2              |            | M 8 x 25 DIN 835-8.8 A3C |
| 22           | 0000 051 098 10   | 4              | 4              | 4              |            | 8,2 x 22 x 2             |
| 23           | -----             | -              | -              | -              |            |                          |
| 24           | 0000 051 228 00   | 2              | 2              | 2              |            |                          |
| 25           | 0000 400 284 00   | 2              | 2              | 2              |            | VM 8 DIN 980-8 C3A       |
| 26           | -----             | -              | -              | -              |            |                          |
| 27           | -----             | -              | -              | -              |            |                          |
| 28           | 0000 052 356 02   | 1              | 1              | 1              |            | "DIESEL"                 |
| 29           | 0000 051 890 01   | 1              | 1              | 1              |            |                          |
| 30           | 0000 052 534 00   | 1              | 1              | 1              |            |                          |
| 31           | 0000 050 855 00   | 1              | 1              | 1              |            | 2 x 0,3 x 16             |
| 32           | 0000 051 077 00   | 2              | 2              | -              |            |                          |
| 33           | 0000 016 352 10   | 1              | 1              | 1              | W2         |                          |
| 34           | 0000 501 709 00   | 2              | 2              | 2              |            | 6 DIN 128 - A3C          |
| 35           | 0000 501 444 00   | 2              | 2              | 2              |            | M 6 DIN 934 - 8 A3C      |
| 36           | 0000 051 085 11   | 1              | 1              | -              |            |                          |
| 36           | 0000 051 223 00   | -              | -              | 1              |            |                          |
| 37           | 0000 013 313 00   | 2              | 2              | 2              |            |                          |
| 38           | 0000 501 200 00   | 2              | 2              | -              |            | A 6,4 DIN 9021-St A3C    |
| 39           | 0000 051 100 10   | 4              | 4              | 4              |            | 7,1 x 17,9 x 2           |
| 40           | 0000 015 570 00   | 2              | 2              | -              |            | M 6 x 18                 |
| 40           | 0000 016 771 00   | -              | -              | 2              |            | M 6 x 20                 |
| 41           | 0000 041 188 00   | 2              | 2              | -              |            | 6,5 x 13 x 4,8           |
| 42           | 0000 501 445 00   | 2              | 2              | 4              |            | 6,4 DIN 125-St A3C       |
| 43           | 0000 501 709 00   | 2              | 2              | 4              |            | 6 DIN 128 - A3C          |
| 44           | 0000 501 707 00   | 2              | 2              | -              |            | M 6 x 16 DIN 912-8.8A3C  |

Fuel  
Kraftstoff - Doppelfilter  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|----------------|----------------|----------------|------------|---------------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 44           | 0000 501 491 00   | -              | -              | 4              |            | M 6 x 12 DIN 912-8.8A3C         |
| 49           | 0000 051 756 02   | 1              | 1              | 1              |            |                                 |
| 50           | 0000 053 105 00   | 1              | 1              | -              |            | 5 x 80                          |
| 50           | 0000 038 071 10   | -              | -              | 1              |            | 5 x 150                         |
| 51           | 0000 053 069 00   | 1              | 1              | 1              |            | 5 x 40                          |
| 54           | 0000 501 481 00   | 2              | 2              | 2              |            | 8,4 DIN 125-St A3C              |
| 55           | 0000 051 844 00   | 1              | 1              | 1              |            |                                 |
| 59           | 0000 016 558 00   | 2              | 2              | 2              |            |                                 |
| 60           | 0000 052 150 01   | 1              | 1              | -              |            | 2,5 x 195                       |
| 60           | 0000 042 820 00   | -              | -              | 1              |            | 2,5 x 245                       |
| 61           | 0000 052 130 10   | 1              | 1              | 1              |            | 7 x 25                          |
| 70           | 0000 019 197 02   | 1              | 1              | 1              |            |                                 |
| 71           | 0000 505 016 00   | 2              | 2              | 2              |            | M 4 DIN 985 - 6 Zn              |
| 72           | 0000 504 416 00   | 2              | 2              | 2              |            | 4,3 DIN 9021 - A3C 140HV        |
| 73           | 0000 052 795 00   | 1              | 1              | 1              |            |                                 |
| 74           | 0000 504 469 00   | 2              | 2              | 2              |            | M 4 x 16 DIN 912-8.8 A3C Tuf.   |
| 76           | 0000 400 214 00   | 1              | 1              | 1              |            | 8 mm ø                          |
| 77           | 0000 400 215 00   | 1              | 1              | 1              |            | 0,5 / 0,3 x 200                 |
| 78           | 0000 505 709 00   | 6              | 6              | 6              |            | 12,8                            |
| 79           | 0000 036 738 10   | 1              | 1              | -              |            | 5 x 275                         |
| 79           | 0000 052 839 10   | -              | -              | 1              |            | 5 x 285                         |
| 80           | 0000 052 839 10   | 1              | 1              | 1              |            | 5 x 285                         |
| 81           | 0000 008 055 02   | 1              | 1              | 1              |            |                                 |
| 82           | 0000 036 637 10   | 1              | 1              | 1              |            | 5 x 50 mm                       |
| 83           | 0000 051 819 10   | 1              | 1              | -              |            | 5 x 35 mm                       |
| 83           | 0000 036 638 10   | -              | -              | 1              |            | 5 x 40 mm                       |
| 84           | 0000 051 227 01   | 1              | 1              | 1              |            |                                 |
| 85           | 0000 503 998 01   | 4              | 4              | 4              |            | 11,3                            |
| 86           | 0000 505 566 00   | 2              | 2              | 2              |            |                                 |
| 87           | 0000 052 794 00   | 1              | 1              | 1              |            |                                 |
| 88           | 0000 503 584 00   | 2              | 2              | 2              |            | 4,8 x 200 mm Black              |
| 89           | 0000 017 568 00   | 1              | 1              | 1              |            |                                 |
| 90           | 0000 501 543 00   | 1              | 1              | 1              | D1         | 7,5 x 1,5                       |
| 91           | 0000 022 992 00   | 1              | 1              | -              |            |                                 |
| 91           | 0000 022 993 00   | -              | -              | 1              |            |                                 |
| 92           | 0000 017 904 00   | 1              | 1              | -              |            | 3 l                             |
| 92           | 0000 017 905 00   | -              | -              | 1              |            | 5 l                             |
| 93           | 0000 052 357 00   | 1              | 1              | -              |            |                                 |
| 93           | 0000 051 882 00   | -              | -              | 1              |            |                                 |
| 94           | 0000 503 131 00   | 1              | 1              | 1              |            | A 6 x 10 DIN 7603-Cu.           |
| 95           | 0000 036 136 00   | 1              | 1              | 1              |            | M 6 A3C                         |
| 96           | 0000 053 907 00   | 1              | 1              | 1              |            |                                 |
| 97           | 0000 505 470 00   | 1              | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio

 $1 \times 3 \times 100$ 

M 10

VM 8 DIN 980-8 C3A

#### 8.4 DIN 125-St A3C

 $8.2 \times 22 \times 2$  $7.1 \times 17.9 \times 2$ 

M 6 x 18

M 6 x 20

M 8 x 25 DIN 835-8.8 A3C

6.4 x 17 x 3 DIN 7349 A3C

A 6.4 DIN 9021-St A3C

6.5 x 13 x 4.8

6 DIN 128 - A3C

M 6 DIN 934 - 8 A3C

#### 6.4 DIN 125-St A3C

6 DIN 128 - A3C

M 6 x 16 DIN 912-8.8A3C

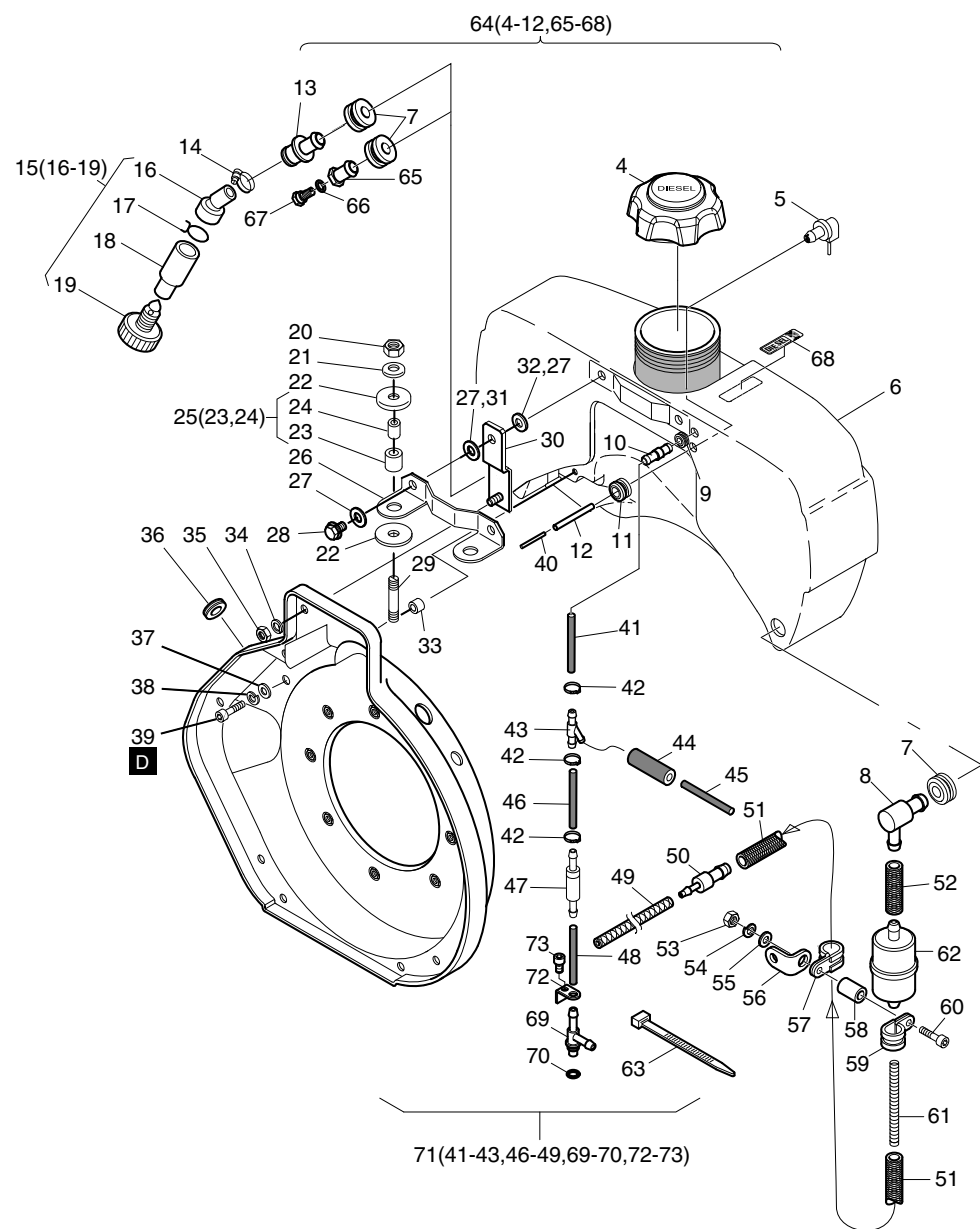
M 6 x 12 DIN 912-8.8A3C

 $2 \times 0.3 \times 16$  $5 \times 100$ 

12.8

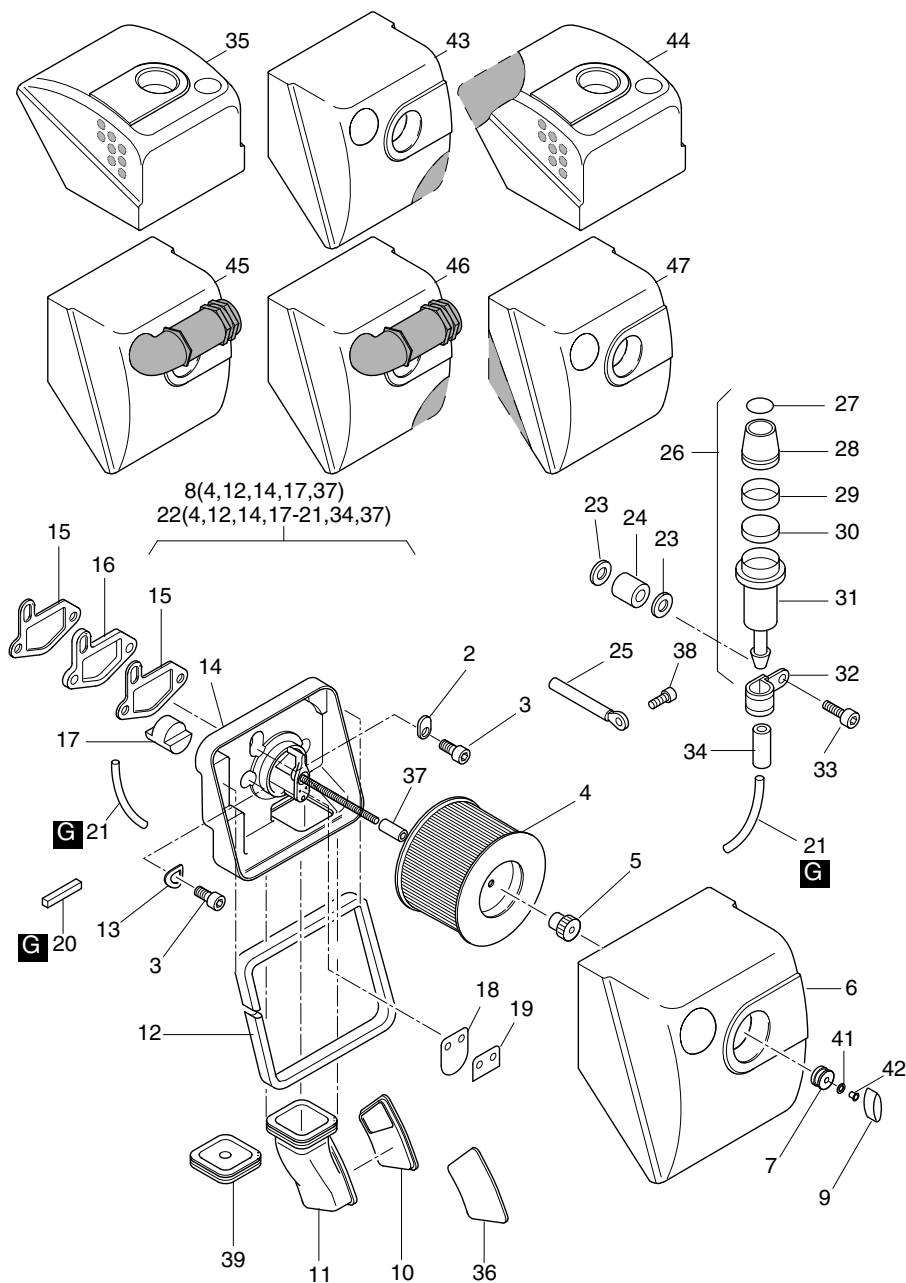
7 x 25

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|------------------------|----------------|----------------|----------------|------------|---------------------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                                 |
| 45           | 0000 <b>052 150 01</b> | 1              | 1              | -              |            | 2,5 x 195                       |
| 45           | 0000 <b>042 820 00</b> | -              | -              | 1              |            | 2,5 x 245                       |
| 46           | 0000 <b>053 105 00</b> | 1              | 1              | -              |            | 5 x 80                          |
| 46           | 0000 <b>038 071 10</b> | -              | -              | 1              |            | 5 x 150                         |
| 47           | 0000 <b>008 055 02</b> | 1              | 1              | 1              |            |                                 |
| 48           | 0000 <b>053 664 00</b> | 1              | 1              | 1              |            | 6 x 12 x 40mm                   |
| 49           | 0000 <b>039 621 10</b> | 1              | 1              | -              |            | 3,5 x 160 mm                    |
| 49           | 0000 <b>051 883 10</b> | -              | -              | 1              |            | 3,5 x 170 mm                    |
| 50           | 0000 <b>053 068 00</b> | 1              | 1              | 1              |            |                                 |
| 51           | 0000 <b>051 166 00</b> | 1              | 1              | 1              |            | 7 x 260                         |
| 52           | 0000 <b>053 239 00</b> | 1              | 1              | 1              |            | 7 x 50                          |
| 53           | 0000 <b>501 444 00</b> | 1              | 1              | 1              |            | M 6 DIN 934 - 8 A3C             |
| 54           | 0000 <b>501 709 00</b> | 1              | 1              | 1              |            | 6 DIN 128 - A3C                 |
| 55           | 0000 <b>501 445 00</b> | 1              | 1              | 1              |            | 6,4 DIN 125-St A3C              |
| 56           | 0000 <b>035 439 00</b> | 1              | 1              | 1              |            |                                 |
| 57           | 0000 <b>501 584 00</b> | 1              | 1              | 1              |            | 14 / 15                         |
| 58           | 0000 <b>041 390 00</b> | 1              | 1              | 1              |            | 6,5 x 12 x 18                   |
| 59           | 0000 <b>501 584 00</b> | 1              | 1              | 1              |            | 14 / 15                         |
| 60           | 0000 <b>501 827 00</b> | 1              | 1              | 1              |            | M 6 x 40 DIN 912-8.8A3C         |
| 61           | 0000 <b>032 106 02</b> | 1              | 1              | 1              |            |                                 |
| 62           | 0000 <b>504 788 00</b> | 1              | 1              | 1              |            | Filter > -6°C                   |
| 62           | 0000 <b>400 894 01</b> | 1              | 1              | 1              |            | Filter < -6°C                   |
| 63           | 0000 <b>503 584 00</b> | 2              | 2              | 2              |            | 4,8 x 200 mm Black              |
| 64           | 0000 <b>019 496 00</b> | 1              | 1              | -              |            | 3 l                             |
| 64           | 0000 <b>019 497 00</b> | -              | -              | 1              |            | 5 l                             |
| 65           | 0000 <b>052 357 00</b> | 1              | 1              | -              |            |                                 |
| 65           | 0000 <b>051 882 00</b> | -              | -              | 1              |            |                                 |
| 66           | 0000 <b>503 131 00</b> | 1              | 1              | 1              |            | A 6 x 10 DIN 7603-Cu.           |
| 67           | 0000 <b>036 136 00</b> | 1              | 1              | 1              |            | M 6 A3C                         |
| 68           | 0000 <b>052 356 02</b> | 1              | 1              | 1              |            | "DIESEL"                        |
| 69           | 0000 <b>017 568 00</b> | 1              | 1              | 1              |            |                                 |
| 70           | 0000 <b>501 543 00</b> | 1              | 1              | 1              |            | D1 7,5 x 1,5                    |
| 71           | 0000 <b>022 988 00</b> | 1              | 1              | -              |            |                                 |
| 71           | 0000 <b>022 987 00</b> | -              | -              | 1              |            |                                 |
| 72           | 0000 <b>053 907 00</b> | 1              | 1              | 1              |            |                                 |
| 73           | 0000 <b>505 470 00</b> | 1              | 1              | 1              |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |

Air filter  
Luftfilter  
Filtre à air  
Filtro de aire  
Filtro aria

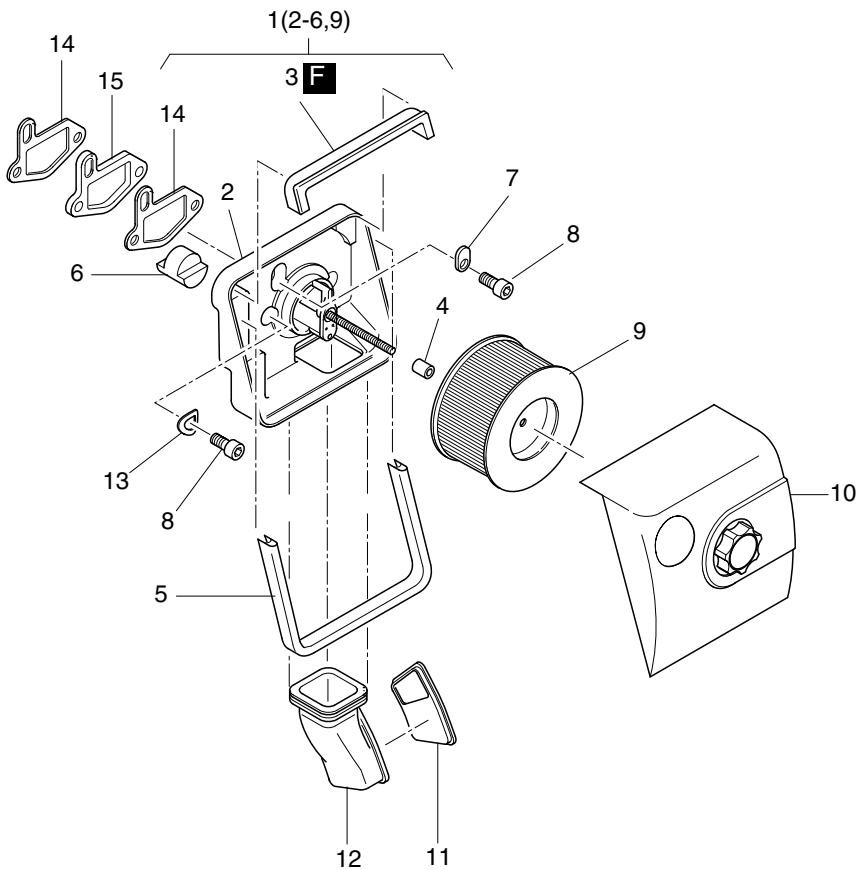


| Fig.-<br>No. | HATZ<br>Ident-No. |                | Qty.<br>Stück  | W<br>d / D     | Notes<br>Bemerkungen           |
|--------------|-------------------|----------------|----------------|----------------|--------------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |                                |
| 2            | 0000 050 564 00   | 1              | 1              | 1              |                                |
| 3            | 0000 501 715 00   | 3              | 3              | 3              | M 8 x 25 DIN 912-8.8A3C        |
| 4            | 0000 504 260 00   | 1              | 1              | 1              | W2                             |
| 5            | 0000 504 543 00   | 1              | 1              | 1              |                                |
| 6            | 0000 016 991 01   | 1              | 1              | -              |                                |
| 6            | 0000 016 993 01   | -              | -              | 1              |                                |
| 7            | 0000 504 358 00   | 1              | 1              | 1              |                                |
| 8            | 0000 016 079 11   | 1              | 1              | 1              |                                |
| 9            | 0000 504 522 00   | 1              | 1              | 1              | M 6                            |
| 10           | 0000 041 042 00   | 0... 1         | 0... 1         | -              |                                |
| 10           | 0000 041 166 00   | -              | -              | 0... 1         |                                |
| 11           | 0000 041 030 00   | 0... 1         | 0... 1         | -              |                                |
| 11           | 0000 041 165 01   | -              | -              | 0... 1         |                                |
| 12           | 0000 052 161 00   | 1              | 1              | 1              | 545 mm                         |
| 13           | 0000 500 951 00   | 2              | 2              | 2              | A 8 DIN 137 A3C                |
| 14           | -----             | -              | -              | -              |                                |
| 15           | 0000 050 563 00   | 2              | 2              | 2              | d2                             |
| 16           | 0000 050 883 01   | 1              | 1              | 1              |                                |
| 17           | 0000 050 981 00   | 1              | 1              | 1              |                                |
| 18           | 0000 051 471 01   | 1              | 1              | 1              | (schwarz, black, noir)         |
| 19           | 0000 051 472 00   | 1              | 1              | 1              | (rot, red, rouge)              |
| 20           | 0000 051 750 00   | 1              | 1              | 1              | 14 x 9 x 30                    |
| 21           | 0000 050 446 10   | 1              | 1              | 1              | 2 x 4 x 135                    |
| 22           | 0000 016 036 10   | 1              | 1              | -              |                                |
| 22           | 0000 016 688 10   | -              | -              | 1              |                                |
| 23           | 0000 503 805 00   | 2              | 2              | 2              | J 6,4 DIN 6797-A3C             |
| 24           | 0000 041 390 00   | 1              | 1              | 1              | 6,5 x 12 x 18                  |
| 25           | 0000 050 012 00   | 1              | 1              | 1              |                                |
| 26           | 0000 014 998 01   | 1              | 1              | 1              | (Pos 27-31)                    |
| 27           | 0000 050 445 01   | 1              | 1              | 1              |                                |
| 28           | 0000 050 436 01   | 1              | 1              | 1              |                                |
| 29           | 0000 050 456 00   | 1              | 1              | 1              | (grün, green, vert, verde)     |
| 30           | 0000 051 372 00   | 1              | 1              | 1              | Filter, Filtre, Filtro ø 20 mm |
| 31           | 0000 050 437 00   | 1              | 1              | 1              |                                |
| 32           | 0000 501 735 00   | 1              | 1              | 1              | 10 / 15                        |
| 33           | 0000 503 749 00   | 1              | 1              | 1              | M 6 x 35 DIN 912-8.8A3C        |
| 34           | 0000 039 177 00   | 1              | 1              | -              | 3,5 x 140                      |
| 34           | 0000 051 883 10   | -              | -              | 1              | 3,5 x 170 mm                   |
| 35           | 0000 016 992 01   | 1              | 1              | -              |                                |
| 35           | 0000 016 994 01   | -              | -              | 1              |                                |
| 36           | 0000 042 151 00   | 0... 1         | 0... 1         | -              |                                |
| 36           | 0000 042 150 00   | -              | -              | 0... 1         |                                |
| 37           | 0000 051 662 00   | 1              | 1              | 1              | 32 mm                          |
| 38           | 0000 501 491 00   | 1              | 1              | 1              | M 6 x 12 DIN 912-8.8A3C        |
| 39           | 0000 050 565 00   | 0... 1         | 0... 1         | 0... 1         |                                |
| 41           | 0000 505 915 00   | 1              | 1              | 1              | 9 x 15 x 1,0 DIN 988           |
| 42           | 0000 505 916 00   | 1              | 1              | 1              | 8 x 0,5 x 12 DIN 7340          |
| 43           | 0000 017 220 01   | 1              | 1              | -              |                                |
| 43           | 0000 017 201 01   | -              | -              | 1              |                                |
| 44           | 0000 017 218 01   | 1              | 1              | -              |                                |
| 44           | 0000 017 202 01   | -              | -              | 1              |                                |
| 45           | 0000 016 998 00   | 1              | 1              | -              |                                |
| 45           | 0000 016 999 00   | -              | -              | 1              |                                |
| 46           | 0000 017 133 00   | 1              | 1              | -              |                                |
| 46           | 0000 017 135 00   | -              | -              | 1              |                                |
| 47           | 0000 018 763 00   | 1              | 1              | -              |                                |

85

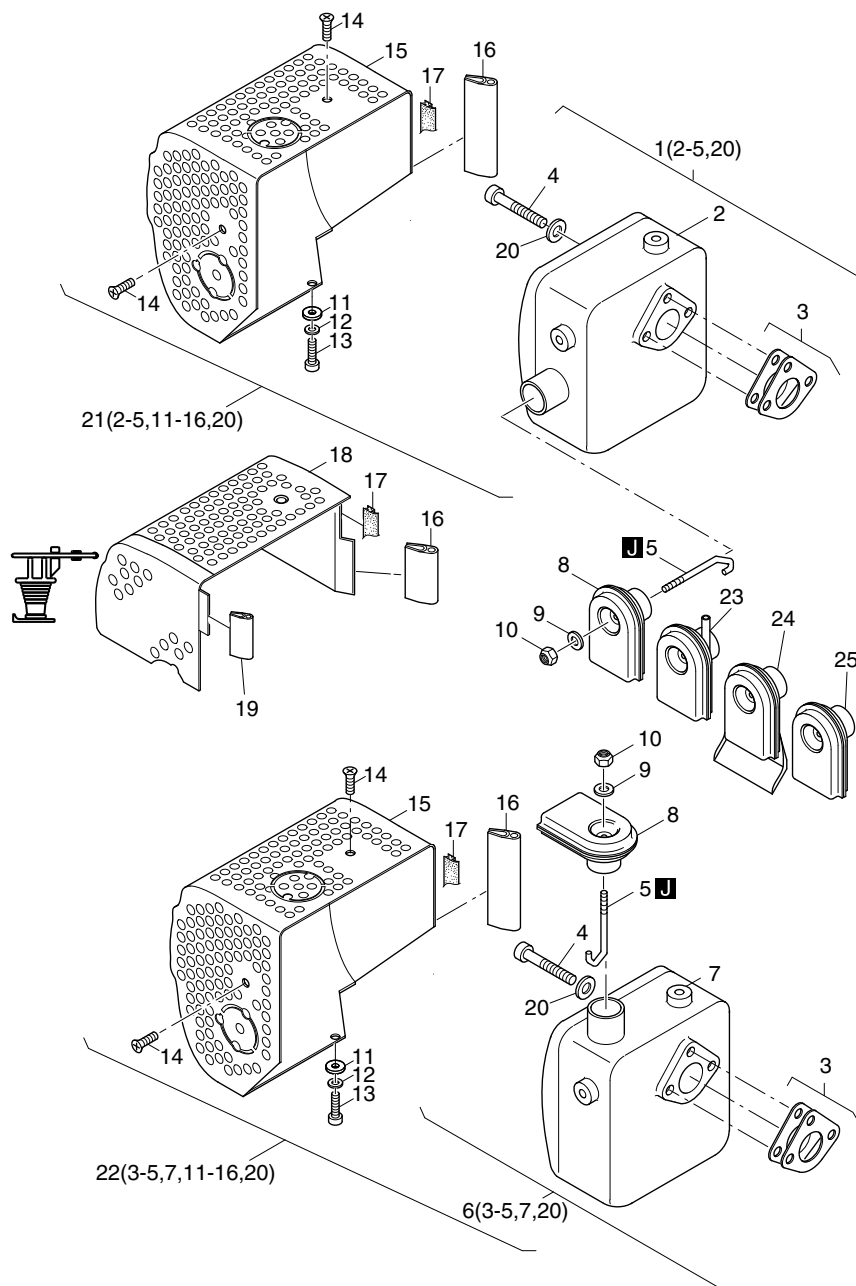
Z02b

Air filter for tamper engine 1B20R  
Luftfilter für Stampfermotor 1B20R  
Filtre à air pour moteur de pilonneuse 1B20R  
Filtro de aire p. motor de pisón 1B20R  
Filtro aria p. motori costipatore verticale 1B20R



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück   | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|-----------------|------------|-------------------------|
|              |                   | 1B20R<br>EPA IV |            |                         |
| 1            | 0000 016 956 11   | 1               |            |                         |
| 2            | -----             | -               |            |                         |
| 3            | 0000 050 829 00   | 1               |            |                         |
| 4            | 0000 051 496 00   | 1               |            | 12 mm                   |
| 5            | 0000 050 561 00   | 1               |            | 365 mm                  |
| 6            | 0000 050 981 00   | 1               |            |                         |
| 7            | 0000 050 564 00   | 1               |            |                         |
| 8            | 0000 501 715 00   | 3               |            | M 8 x 25 DIN 912-8.8A3C |
| 9            | 0000 504 690 00   | 1               |            |                         |
| 10           | 0000 017 468 00   | 1               |            |                         |
| 11           | 0000 041 042 00   | 1               |            |                         |
| 12           | 0000 041 030 00   | 1               |            |                         |
| 13           | 0000 500 951 00   | 2               |            | A 8 DIN 137 A3C         |
| 14           | 0000 050 563 00   | 2               | d2         |                         |
| 15           | 0000 016 003 00   | 1               |            |                         |

Exhaust silencer - 1B20 / 27  
 Abgasdämpfer - 1B20 / 27  
 Silencieux - 1B20 / 27  
 Silenciador - 1B20 / 27  
 Marmitta - 1B20 / 27



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  | W<br>d / D      | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|-----------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV       |
| 1            | 0000 <b>019 538 00</b> | 1              | 1               | 1                    |
| 2            | -----                  | -              | -               | -                    |
| 3            | 0000 <b>017 325 01</b> | 1              | 1               | 1                    |
| 4            | 0000 <b>504 039 00</b> | 3              | 3               | 3                    |
| 5            | 0000 <b>051 779 00</b> | 1              | 1               | 1                    |
| 6            | 0000 <b>019 539 00</b> | 1              | -               | 1                    |
| 7            | -----                  | -              | -               | -                    |
| 8            | 0000 <b>015 313 14</b> | 1              | -               | 1                    |
| 9            | 0000 <b>501 445 00</b> | 1              | 1               | 1                    |
| 10           | 0000 <b>400 283 00</b> | 1              | 1               | 1                    |
| 11           | 0000 <b>501 143 00</b> | 1              | -               | 1                    |
| 12           | 0000 <b>501 709 00</b> | 1              | -               | 1                    |
| 13           | 0000 <b>501 771 00</b> | 1              | -               | 1                    |
| 14           | 0000 <b>504 225 01</b> | 2              | 2               | 2                    |
| 15           | 0000 <b>018 702 03</b> | 1              | -               | 1                    |
| 16           | 0000 <b>051 003 00</b> | 1              | 1               | 1                    |
| 17           | 0000 <b>051 350 00</b> | 1              | 1               | 1                    |
| 18           | 0000 <b>015 906 01</b> | -              | 1               | -                    |
| 19           | 0000 <b>041 234 00</b> | 1              | 1               | 1                    |
| 20           | 0000 <b>502 085 00</b> | 3              | 3               | 3                    |
| 21           | 0000 <b>019 645 00</b> | 1              | -               | 1                    |
| 22           | 0000 <b>019 646 00</b> | 1              | -               | 1                    |
| 23           | 0000 <b>019 543 00</b> | -              | 1               | -                    |
| 24           | 0000 <b>016 463 03</b> | 1              | -               | 1                    |
| 25           | 0000 <b>015 761 12</b> | 1              | -               | 1                    |

d1

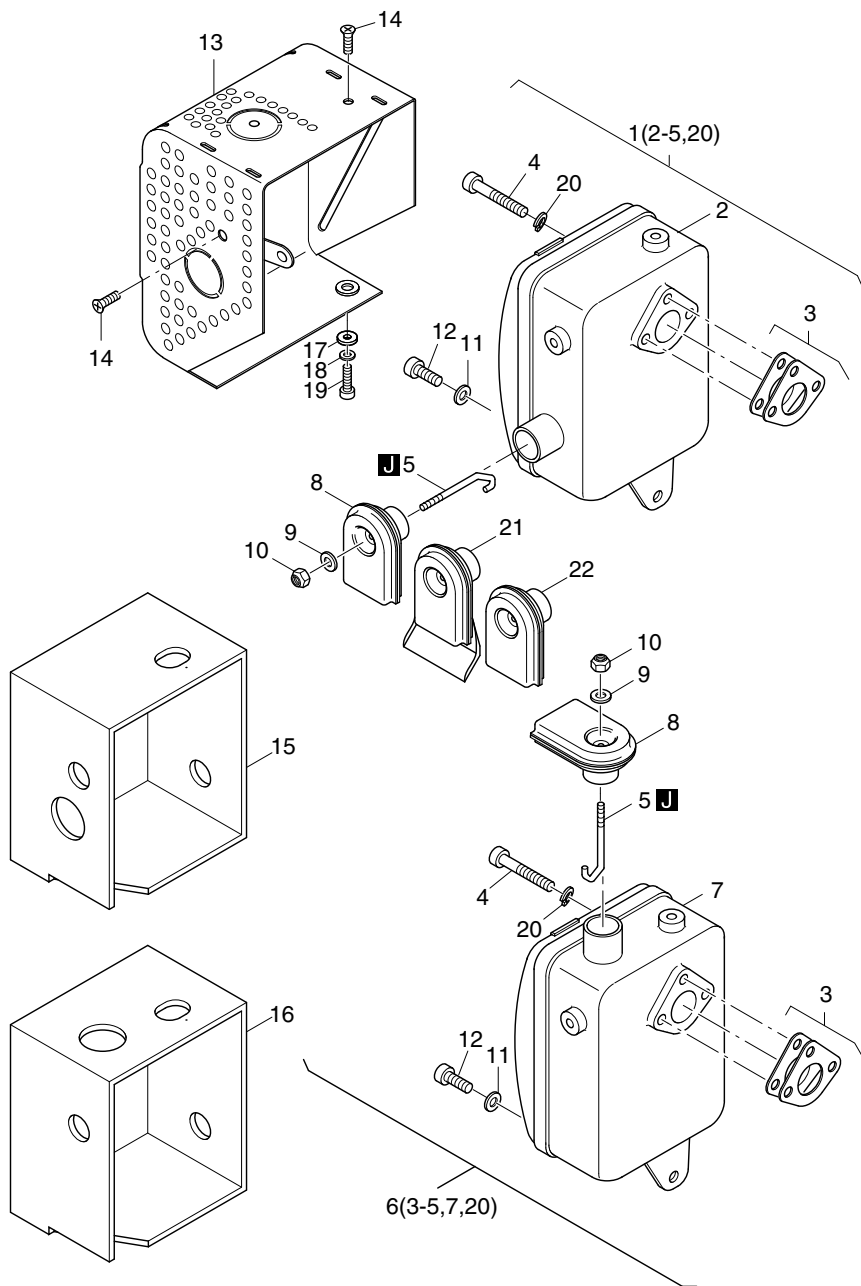
M 8 x 25 DIN 912-8.8C4P  
 M 6

Standard / standard  
 6,4 DIN 125-St A3C  
 VM 6 DIN 980 C3P  
 6,4 x 17 x 3 DIN 7349 A3C  
 6 DIN 128 - A3C  
 M 6 x 16 DIN 933-8.8 A3C  
 M 6 x 12 DIN 7991 - 8.8 A3C

65 mm  
 33 mm  
 STAMPFER - RAMMER  
 38 mm  
 8 DIN 128 A3C

ohne Einsatz / without insert

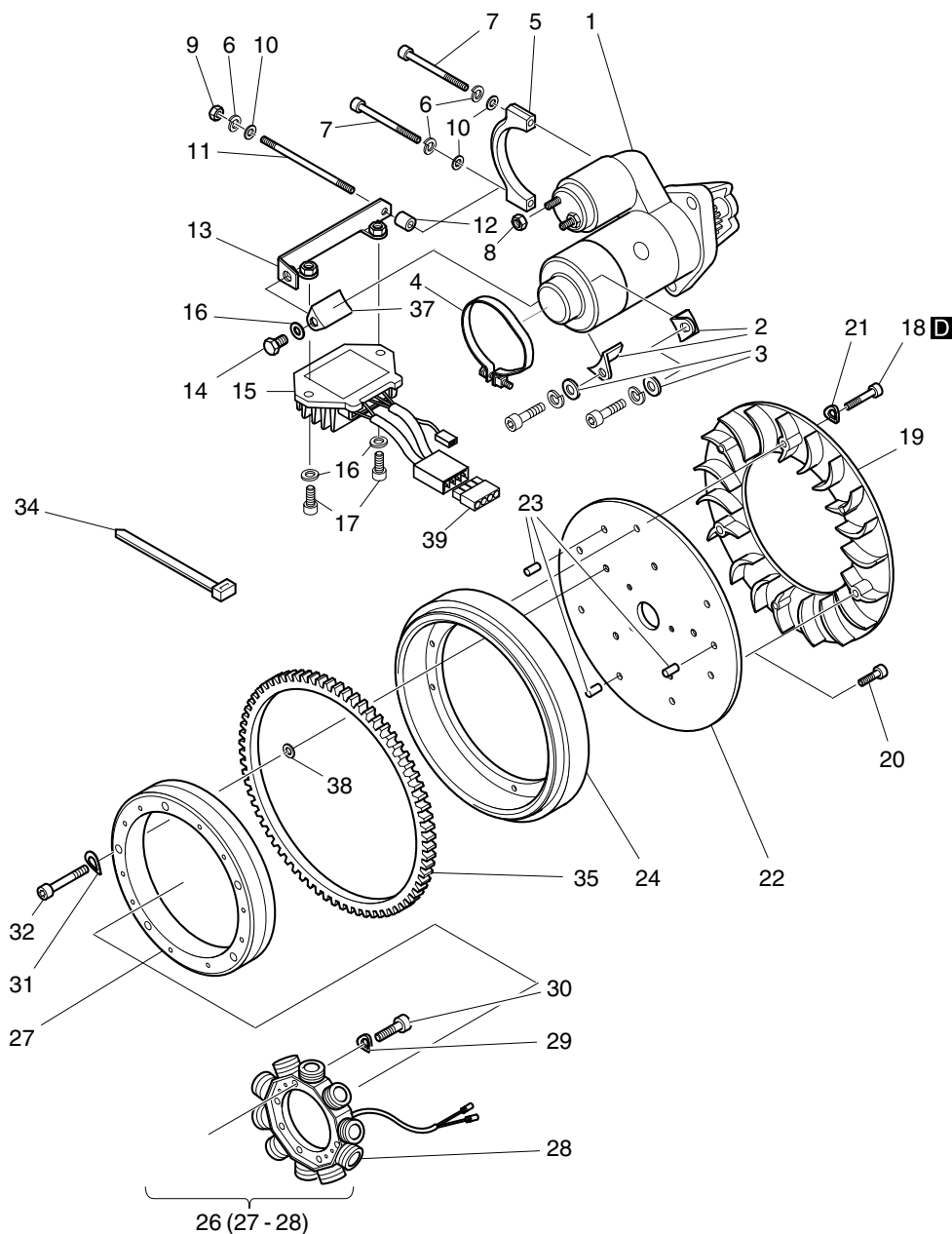
Exhaust silencer - 1B30  
 Abgasdämpfer - 1B30  
 Silencieux - 1B30  
 Silenciador - 1B30  
 Marmitta - 1B30



| Fig.-<br>No.   | HATZ<br>Ident-No.      | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen          |
|----------------|------------------------|---------------|------------|-------------------------------|
| 1B30<br>EPA IV |                        |               |            |                               |
| 1              | 0000 <b>016 858 10</b> | 1             |            |                               |
| 2              | -----                  | -             |            |                               |
| 3              | 0000 <b>017 326 01</b> | 1             |            | d1                            |
| 4              | 0000 <b>504 039 00</b> | 3             |            | M 8 x 25 DIN 912-8.8C4P       |
| 5              | 0000 <b>051 779 00</b> | 1             |            | M 6                           |
| 6              | 0000 <b>017 126 10</b> | 1             |            |                               |
| 7              | -----                  | -             |            |                               |
| 8              | 0000 <b>015 313 14</b> | 1             |            | Standard / standard           |
| 9              | 0000 <b>501 445 00</b> | 1             |            | 6,4 DIN 125-St A3C            |
| 10             | 0000 <b>400 283 00</b> | 1             |            | VM 6 DIN 980 C3P              |
| 11             | 0000 <b>501 143 00</b> | 1             |            | 6,4 x 17 x 3 DIN 7349 A3C     |
| 12             | 0000 <b>504 742 00</b> | 1             |            | M6x16 DIN912-8.8 A3C Tuf.360  |
| 13             | 0000 <b>016 457 20</b> | 1             |            |                               |
| 14             | 0000 <b>504 225 01</b> | 2             |            | M 6 x 12 DIN 7991 - 8.8 A3C   |
| 15             | 0000 <b>019 813 01</b> | 0... 1        |            | "SILENT"                      |
| 16             | 0000 <b>019 815 01</b> | 0... 1        |            | "SILENT"                      |
| 17             | 0000 <b>501 143 00</b> | 1             |            | 6,4 x 17 x 3 DIN 7349 A3C     |
| 18             | 0000 <b>501 709 00</b> | 1             |            | 6 DIN 128 - A3C               |
| 19             | 0000 <b>501 771 00</b> | 1             |            | M 6 x 16 DIN 933-8.8 A3C      |
| 20             | 0000 <b>502 085 00</b> | 3             |            | 8 DIN 128 A3C                 |
| 21             | 0000 <b>016 463 03</b> | 1             |            |                               |
| 22             | 0000 <b>015 761 12</b> | 1             |            | ohne Einsatz / without insert |

# Z05a

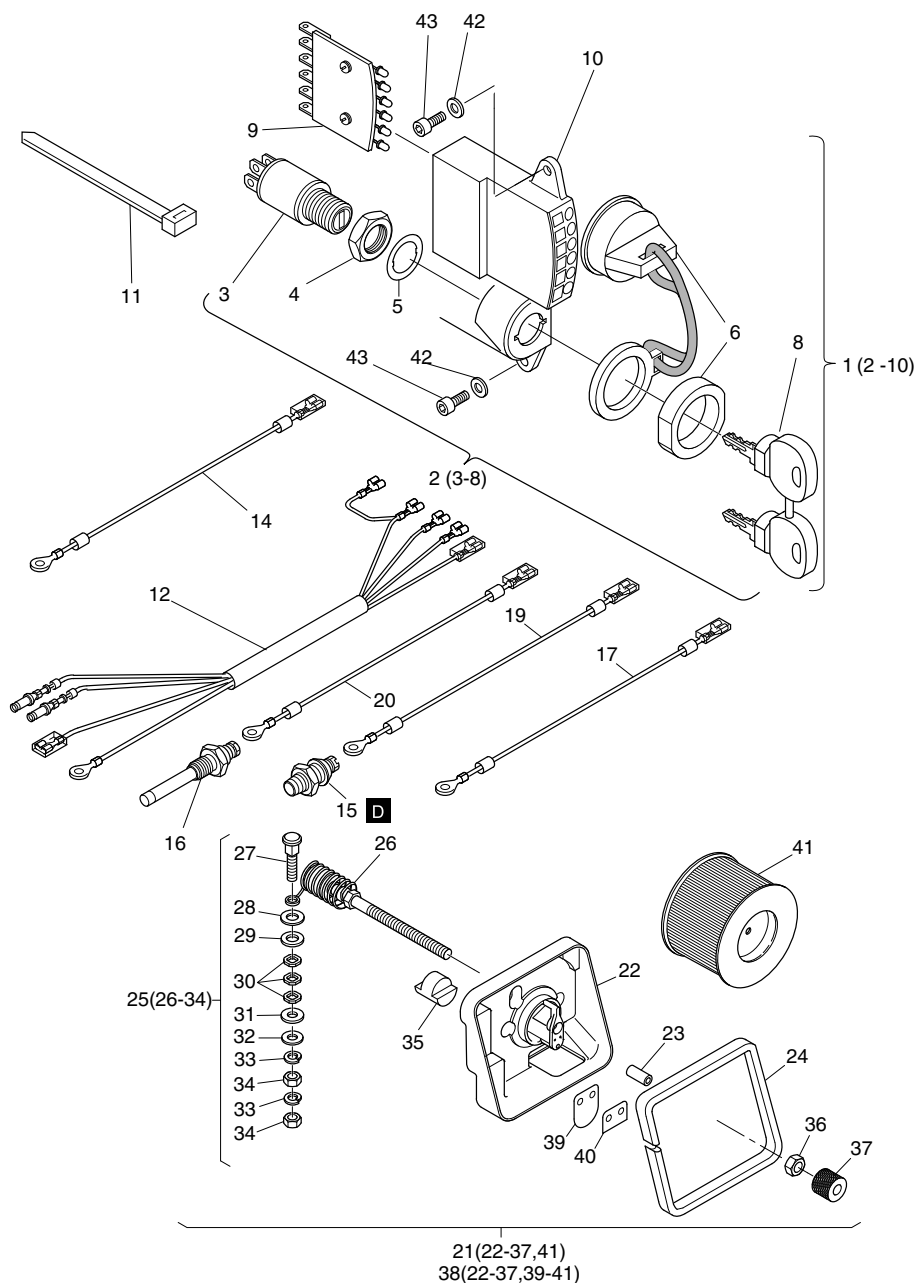
Starter, alternator  
 Starter, Generator  
 Démarreur, alternateur  
 Arrancador, alternador  
 Motorino avviamento, alternatore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  | W<br>d / D     | Notes<br>Bemerkungen |                                 |
|--------------|------------------------|----------------|----------------|----------------------|---------------------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV       |                                 |
| 1            | 0000 <b>017 234 00</b> | 1              | 1              | 1                    | 12 V - 1,0 kW                   |
| 1            | 0000 <b>504 833 00</b> | 1              | 1              | 1                    | 24 V - 1,6 kW                   |
| 2            | 0000 <b>041 384 00</b> | 2              | 2              | 2                    |                                 |
| 3            | 0000 <b>501 481 00</b> | 2              | 2              | 2                    | 8,4 DIN 125-St A3C              |
| 4            | 0000 <b>505 298 00</b> | 1              | 1              | 1                    |                                 |
| 5            | 0000 <b>040 991 00</b> | 1              | 1              | 1                    |                                 |
| 6            | 0000 <b>501 709 00</b> | 2              | 2              | 2                    | 6 DIN 128 - A3C                 |
| 7            | 0000 <b>504 443 00</b> | 2              | 2              | 2                    | M 6 x 80 DIN 912-8.8A3C         |
| 8            | 0000 <b>503 447 00</b> | 1              | 1              | 1                    | M 8 DIN 936 - 5 A3C             |
| 9            | 0000 <b>501 444 00</b> | 1              | 1              | 1                    | M 6 DIN 934 - 8 A3C             |
| 10           | 0000 <b>501 445 00</b> | 2              | 2              | 2                    | 6,4 DIN 125-St A3C              |
| 11           | 0000 <b>504 559 00</b> | 1              | 1              | 1                    | MFS 6x90 DIN 949 - 1 8.8 A3C    |
| 12           | 0000 <b>036 714 00</b> | 1              | 1              | 1                    | 7 x 12 x 15                     |
| 13           | 0000 <b>015 609 00</b> | 1              | 1              | 1                    |                                 |
| 14           | 0000 <b>500 962 00</b> | 1              | 1              | 1                    | M 8 x 12 DIN 933 - 8.8 A3C      |
| 15           | 0000 <b>019 838 00</b> | 1              | 1              | 1                    | 12 V                            |
| 15           | 0000 <b>019 839 00</b> | 1              | 1              | 1                    | 24 V                            |
| 16           | 0000 <b>501 481 00</b> | 3              | 3              | 3                    | 8,4 DIN 125-St A3C              |
| 17           | 0000 <b>501 830 00</b> | 2              | 2              | 2                    | M 8 x 35 DIN 912-8.8A3C         |
| 18           | 0000 <b>503 273 00</b> | 6              | 6              | 6                    | M 4 x 20 DIN 912-8.8 A3C        |
| 19           | 0000 <b>041 937 00</b> | 1              | 1              | -                    |                                 |
| 19           | 0000 <b>041 936 00</b> | -              | -              | 1                    |                                 |
| 20           | 0000 <b>504 168 00</b> | 3              | 3              | 3                    | M 6 x 16 DIN 912 - 8.8 A3C Tuf. |
| 21           | 0000 <b>500 034 00</b> | 6              | 6              | 6                    | A 4 DIN 137 - ST                |
| 22           | 0000 <b>040 987 20</b> | 1              | 1              | 1                    |                                 |
| 23           | 0000 <b>500 352 00</b> | 3              | 3              | 3                    | 6 x 12 ISO 8752-ST              |
| 24           | 0000 <b>040 982 30</b> | 1              | 1              | -                    |                                 |
| 24           | 0000 <b>041 101 20</b> | -              | -              | 1                    |                                 |
| 26           | 0000 <b>019 259 00</b> | 1              | 1              | 1                    | 12 V                            |
| 26           | 0000 <b>019 260 00</b> | 1              | 1              | 1                    | 24 V / 12V o. BATT.             |
| 27           | -----                  | -              | -              | -                    |                                 |
| 28           | -----                  | -              | -              | -                    |                                 |
| 29           | 0000 <b>500 819 00</b> | 4              | 4              | 4                    | A 5 DIN 137 A3C                 |
| 30           | 0000 <b>505 470 00</b> | 4              | 4              | 4                    | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |
| 31           | 0000 <b>500 812 00</b> | 5              | 5              | 5                    | A 6 DIN 137 - A3C               |
| 32           | 0000 <b>504 487 00</b> | 5              | 5              | 5                    | M 6 x 30 DIN 6912-8.8 A3C       |
| 34           | 0000 <b>503 584 00</b> | 3              | 3              | 3                    | 4,8 x 200 mm Black              |
| 35           | 0000 <b>040 986 00</b> | 1              | 1              | -                    |                                 |
| 35           | 0000 <b>041 080 00</b> | -              | -              | 1                    |                                 |
| 37           | 0000 <b>041 384 00</b> | 1              | 1              | 1                    |                                 |
| 38           | 0000 <b>501 143 00</b> | 5              | 5              | 5                    | 6,4 x 17 x 3 DIN 7349 A3C       |
| 39           | 0000 <b>504 021 00</b> | 1              | 1              | 1                    | 4-P.                            |

# Z05b, Z10, Z11

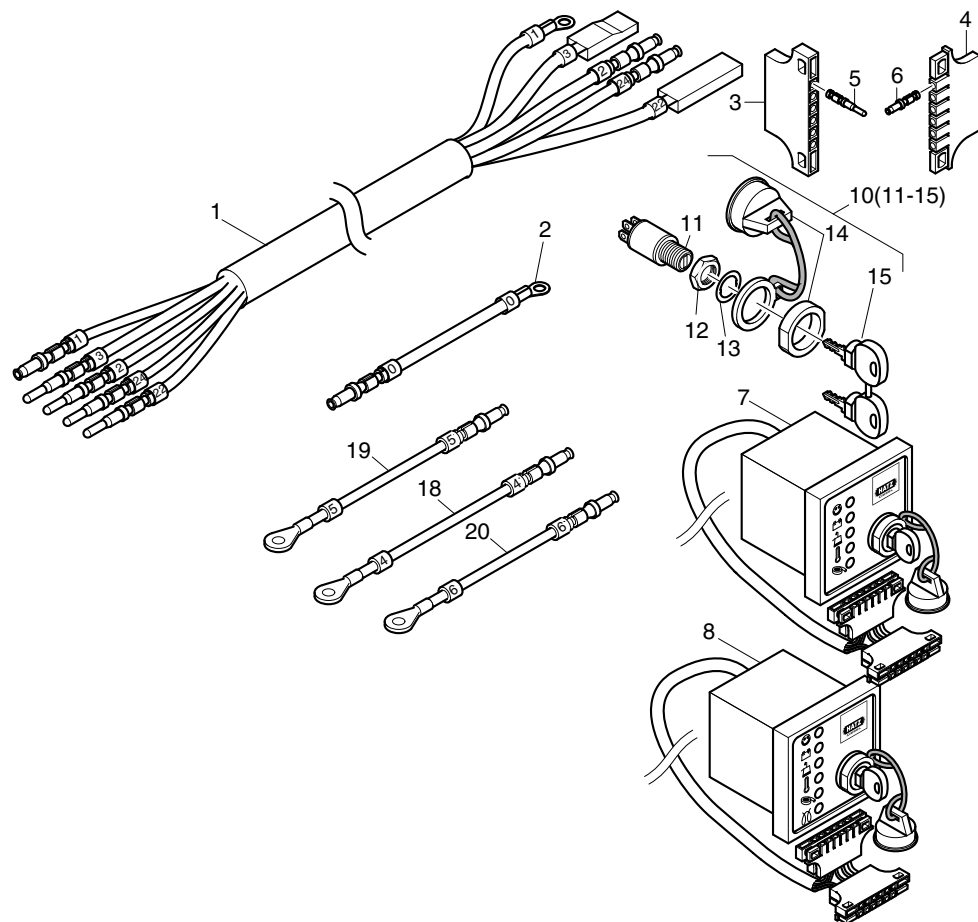
Electric equipment, wirings  
Armaturen, Leitungen  
Équipement électrique, cable  
Cuadro de mando, cables  
Cruscotto, cablaggio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|------------------------|----------------|----------------|----------------|------------|----------------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                            |
| 1            | 0000 <b>015 608 03</b> | 1              | 1              | 1              |            |                            |
| 2            | 0000 <b>505 995 00</b> | 1              | 1              | 1              |            |                            |
| 3            | -----                  | -              | -              | -              |            |                            |
| 4            | -----                  | -              | -              | -              |            |                            |
| 5            | -----                  | -              | -              | -              |            |                            |
| 6            | 0000 <b>506 009 00</b> | 1              | 1              | 1              |            |                            |
| 8            | 0000 <b>506 008 00</b> | 2              | 2              | 2              |            | Nr. 607                    |
| 9            | -----                  | -              | -              | -              |            |                            |
| 10           | -----                  | -              | -              | -              |            |                            |
| 11           | 0000 <b>503 584 00</b> | 2              | 2              | 2              |            | 4,8 x 200 mm Black         |
| 12           | 0000 <b>017 851 00</b> | 1              | 1              | 1              |            |                            |
| 14           | 0000 <b>015 468 00</b> | 1              | 1              | 1              |            | (0) Masse                  |
| 15           | 0000 <b>400 213 01</b> | 0...1          | 0...1          | -              |            | 12 - 24V Oil 0,5 - 0,8 bar |
| 15           | 0000 <b>504 691 01</b> | -              | -              | 0...1          |            | OIL 0,3 - 0,6 bar          |
| 15           | 0000 <b>506 044 01</b> | 0...1          | 0...1          | 0...1          |            | OIL 1,20 - 1,80 bar (Gen)  |
| 16           | 0000 <b>502 686 00</b> | 1              | 1              | 1              |            | TEMP. 12-24V               |
| 17           | 0000 <b>017 152 00</b> | 1              | 1              | 1              |            | (6) 400 mm                 |
| 19           | 0000 <b>015 465 00</b> | 1              | 1              | 1              |            | (4)                        |
| 20           | 0000 <b>015 469 00</b> | 1              | 1              | 1              |            | (5)                        |
| 21           | 0000 <b>016 078 22</b> | 1              | 1              | 1              |            | 12V                        |
| 21           | 0000 <b>017 454 11</b> | 1              | 1              | 1              |            | 24V                        |
| 22           | -----                  | -              | -              | -              |            |                            |
| 23           | 0000 <b>041 192 00</b> | 1              | 1              | 1              |            | 6,5 x 13 x 15              |
| 24           | 0000 <b>052 161 00</b> | 1              | 1              | 1              |            | 545 mm                     |
| 25           | 0000 <b>017 550 00</b> | 1              | 1              | 1              |            | 12V                        |
| 25           | 0000 <b>017 551 00</b> | 1              | 1              | 1              |            | 24V                        |
| 26           | -----                  | -              | -              | -              |            |                            |
| 27           | 0000 <b>050 401 00</b> | 1              | 1              | 1              |            |                            |
| 28           | 0000 <b>501 445 00</b> | 1              | 1              | 1              |            | 6,4 DIN 125-St A3C         |
| 29           | 0000 <b>504 128 01</b> | 1              | 1              | 1              |            | 6,5                        |
| 30           | 0000 <b>504 126 00</b> | 3              | 3              | 3              |            |                            |
| 31           | 0000 <b>504 127 00</b> | 1              | 1              | 1              |            |                            |
| 32           | 0000 <b>502 163 00</b> | 1              | 1              | 1              |            | 5,3 DIN 125-St A3C         |
| 33           | 0000 <b>500 026 00</b> | 2              | 2              | 2              |            | 5 DIN 128 - A3C            |
| 34           | 0000 <b>500 943 00</b> | 2              | 2              | 2              |            | M 5 DIN 934-8 A3C          |
| 35           | 0000 <b>050 981 00</b> | 1              | 1              | 1              |            |                            |
| 36           | 0000 <b>501 444 00</b> | 1              | 1              | 1              |            | M 6 DIN 934 - 8 A3C        |
| 37           | 0000 <b>051 496 00</b> | 1              | 1              | 1              |            | 12 mm                      |
| 38           | 0000 <b>017 622 12</b> | 1              | 1              | 1              |            | 12V                        |
| 38           | 0000 <b>017 623 11</b> | 1              | 1              | 1              |            | 24V                        |
| 39           | 0000 <b>051 471 00</b> | 1              | 1              | 1              |            | (schwarz, black, noir)     |
| 40           | 0000 <b>051 472 00</b> | 1              | 1              | 1              |            | (rot, red, rouge)          |
| 41           | 0000 <b>504 260 00</b> | 1              | 1              | 1              |            |                            |
| 42           | 0000 <b>501 445 00</b> | 2              | 2              | 2              |            | 6,4 DIN 125-St A3C         |
| 43           | 0000 <b>501 491 00</b> | 2              | 2              | 2              |            | M 6 x 12 DIN 912-8.A3C     |

# Z05c, Z10, Z11

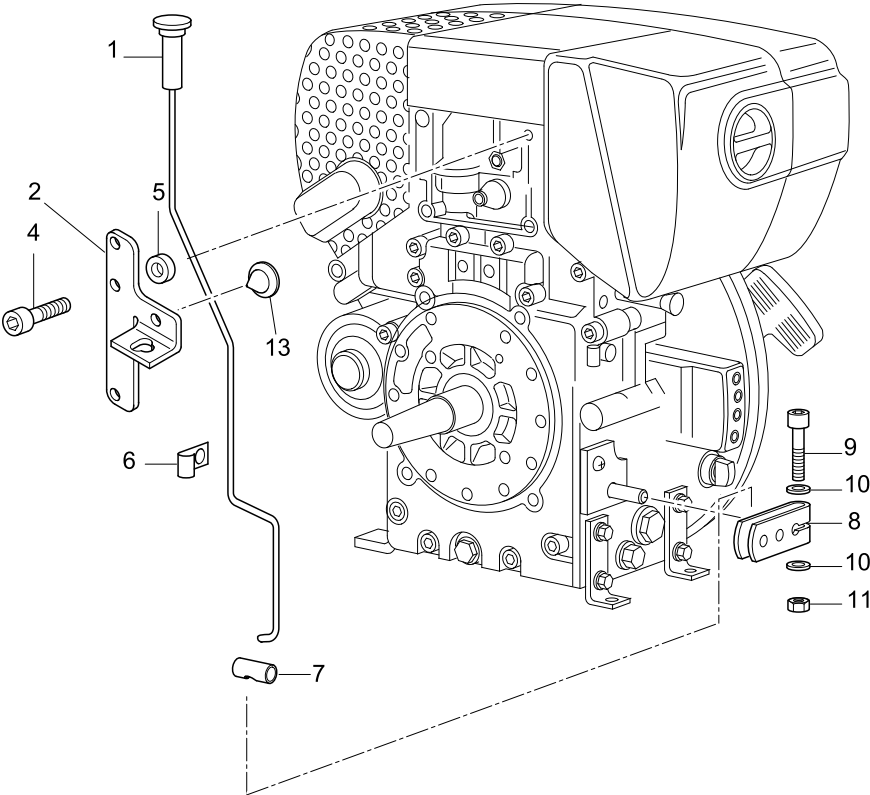
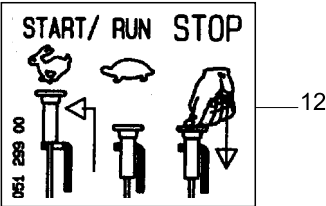
Electric equipment, wirings  
 Armaturenkasten, Leitungen  
 Equipement électrique, cable  
 Cuadro de mando, cables  
 Cruscotto, cablaggio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|----------------|----------------|----------------|------------|----------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                      |
| 1            | 0000 <b>015 422 00</b> | 1              | 1              | 1              |            |                      |
| 2            | 0000 <b>015 483 00</b> | 1              | 1              | 1              |            | (0)                  |
| 3            | 0000 <b>503 736 00</b> | 1              | 1              | 1              |            |                      |
| 4            | 0000 <b>503 737 00</b> | 1              | 1              | 1              |            |                      |
| 5            | 0000 <b>503 741 00</b> | 5              | 5              | 5              |            | 0,5 - 1,0            |
| 6            | 0000 <b>503 739 00</b> | 6              | 6              | 6              |            | 1,5 - 2,5            |
| 7            | 0000 <b>015 518 03</b> | 1              | 1              | 1              |            | 12 V, A 1            |
| 8            | 0000 <b>015 589 02</b> | 1              | 1              | 1              |            | 12 V / 24 V, Aut.    |
| 10           | 0000 <b>505 995 00</b> | 1              | 1              | 1              |            |                      |
| 11           | -----                  | -              | -              | -              |            |                      |
| 12           | -----                  | -              | -              | -              |            |                      |
| 13           | -----                  | -              | -              | -              |            |                      |
| 14           | 0000 <b>506 009 00</b> | 1              | 1              | 1              |            |                      |
| 15           | 0000 <b>506 008 00</b> | 1              | 1              | 1              |            | Nr. 607              |
| 18           | 0000 <b>015 480 00</b> | 1              | 1              | 1              |            | (4) 500 mm           |
| 19           | 0000 <b>015 481 00</b> | 1              | 1              | 1              |            | (5) 470 mm           |
| 20           | 0000 <b>017 153 00</b> | 1              | 1              | 1              |            | (6) 430 mm           |

Z09a

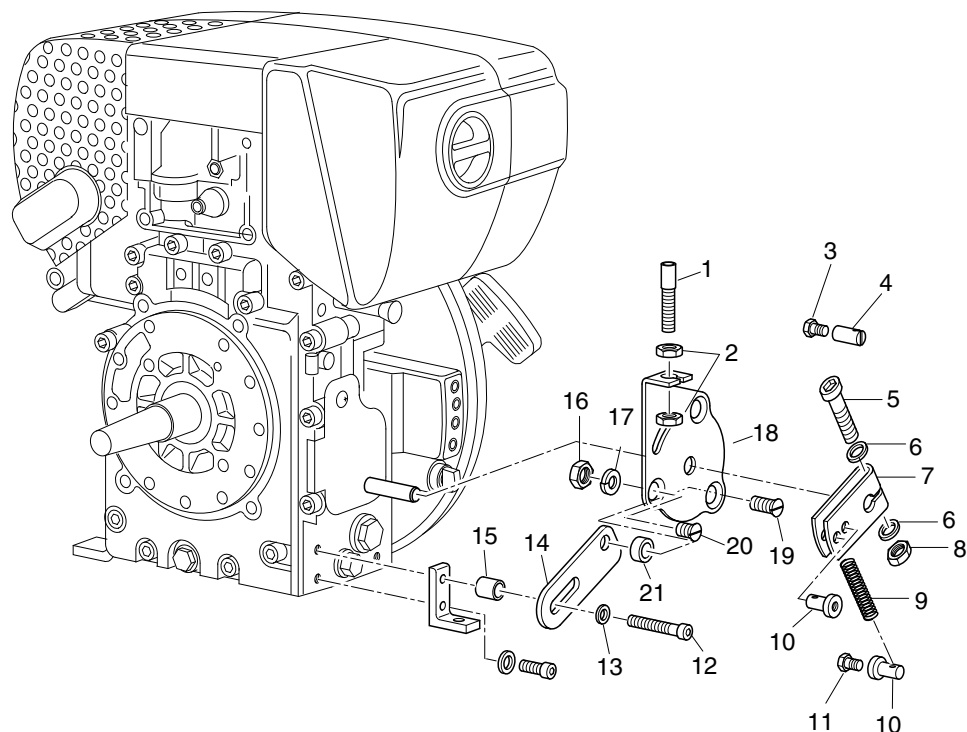
Speed control  
Drehzahlverstellung  
Reglage régime  
Ajuste de revoluciones  
Comando acceleratore



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|----------------|----------------|----------------|------------|-----------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                             |
| 1            | 0000 015 751 21   | 1              | 1              | 1              |            |                             |
| 2            | 0000 051 411 02   | 1              | 1              | 1              |            |                             |
| 4            | 0000 504 629 00   | 2              | 2              | 2              |            | M 6 x 20 DIN 6912 - 8.8 A3C |
| 5            | 0000 033 546 00   | 2              | 2              | 2              |            | 7 x 12 x 8                  |
| 6            | 0000 051 246 00   | 1              | 1              | 1              |            |                             |
| 7            | 0000 051 185 00   | 1              | 1              | 1              |            |                             |
| 8            | 0000 051 177 00   | 1              | 1              | 1              |            |                             |
| 9            | 0000 505 119 00   | 1              | 1              | 1              |            | M 5 x 30 DIN 912-8.8 A3C    |
| 10           | 0000 502 163 00   | 2              | 2              | 2              |            | 5,3 DIN 125-St A3C          |
| 11           | 0000 500 943 00   | 1              | 1              | 1              |            | M 5 DIN 934-8 A3C           |
| 12           | 0000 051 299 02   | 1              | 1              | 1              |            |                             |
| 13           | 0000 504 829 00   | 1              | 1              | 1              |            |                             |

# Z09b

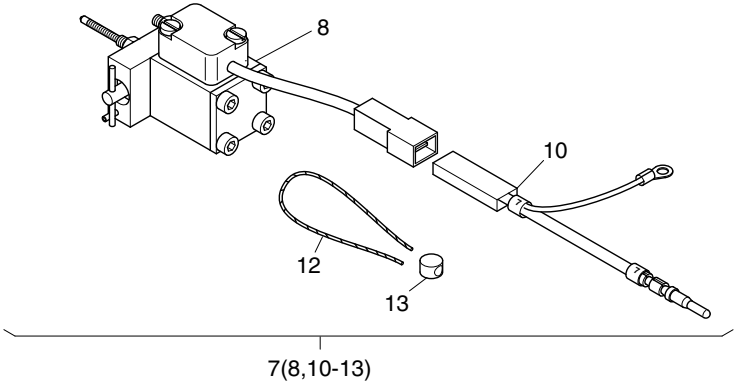
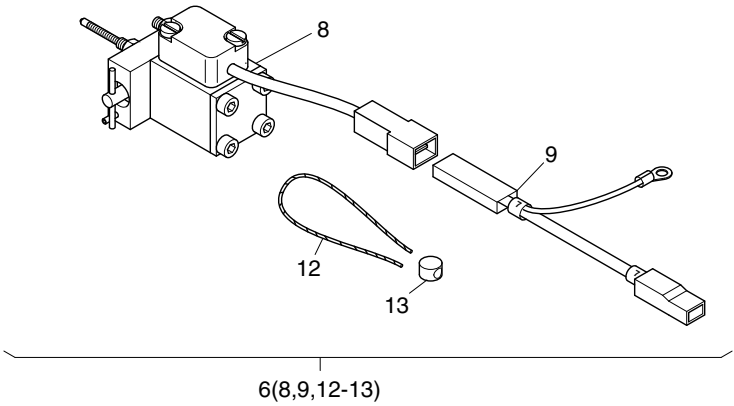
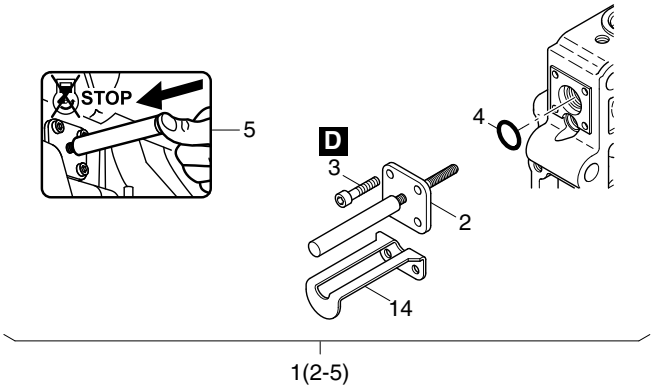
Speed control for bowdencable  
Drehzahlverstellung für Bowdenzug  
Reglage regime pour câble bowden  
Ajuste de revoluciones para cable bowden  
Comando acceleratore per bowden



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|------------------------|----------------|-----------------|----------------|----------------|------------|----------------------------|
|              |                        | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                            |
| 1            | 0000 <b>051 412 00</b> | 1              | 1               | 1              | 1              |            | M 6                        |
| 2            | 0000 <b>501 444 00</b> | 2              | 2               | 2              | 2              |            | M 6 DIN 934 - 8 A3C        |
| 3            | 0000 <b>500 250 00</b> | 1              | 1               | 1              | 1              |            | M 4 x 10 DIN 933-8.8 A3C   |
| 4            | 0000 <b>504 830 00</b> | 1              | 1               | 1              | 1              |            | 2,2 NR. 1120               |
| 5            | 0000 <b>505 119 00</b> | 1              | 1               | 1              | 1              |            | M 5 x 30 DIN 912-8.8 A3C   |
| 6            | 0000 <b>502 163 00</b> | 2              | 2               | 2              | 2              |            | 5,3 DIN 125-St A3C         |
| 7            | 0000 <b>051 177 00</b> | 1              | 1               | 1              | 1              |            |                            |
| 8            | 0000 <b>500 943 00</b> | 1              | 1               | 1              | 1              |            | M 5 DIN 934-8 A3C          |
| 9            | 0000 <b>504 846 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,0 x 33mm                 |
| 9            | 0000 <b>504 832 00</b> | 0... 1         | 0... 1          | 0... 1         | 0... 1         |            | 1,8 x 38mm                 |
| 10           | 0000 <b>504 831 00</b> | 2              | 2               | 2              | 2              |            | 2,2 NR. 1450               |
| 11           | 0000 <b>500 250 00</b> | 1              | 1               | 1              | 1              |            | M 4 x 10 DIN 933-8.8 A3C   |
| 12           | 0000 <b>502 488 00</b> | 1              | 1               | 1              | 1              |            | M 8 x 60 DIN 912-8.8A3C    |
| 13           | 0000 <b>501 481 00</b> | 1              | 1               | 1              | 1              |            | 8,4 DIN 125-St A3C         |
| 14           | 0000 <b>051 175 00</b> | 1              | 1               | 1              | 1              |            |                            |
| 15           | 0000 <b>035 206 00</b> | 1              | -               | 1              | 1              |            | 9 x 14 x 20                |
| 15           | 0000 <b>035 997 00</b> | -              | 1               | -              | -              |            | 8,5 x 13 x 14,5            |
| 16           | 0000 <b>503 283 00</b> | 1              | 1               | 1              | 1              |            | VM 6 DIN 980-8 A3C         |
| 17           | 0000 <b>502 085 00</b> | 1              | 1               | 1              | 1              |            | 8 DIN 128 A3C              |
| 18           | 0000 <b>051 176 10</b> | 1              | 1               | 1              | 1              |            |                            |
| 19           | 0000 <b>504 239 00</b> | 1              | 1               | 1              | 1              |            | M 6 x 20 DIN 7991-10.9 A3C |
| 20           | 0000 <b>503 808 00</b> | 1              | 1               | 1              | 1              |            | M 6 x 10 DIN 7991 -8.8 A3C |
| 21           | 0000 <b>032 929 00</b> | 1              | 1               | 1              | 1              |            | 8,2 x 11 x 12              |

Z09c

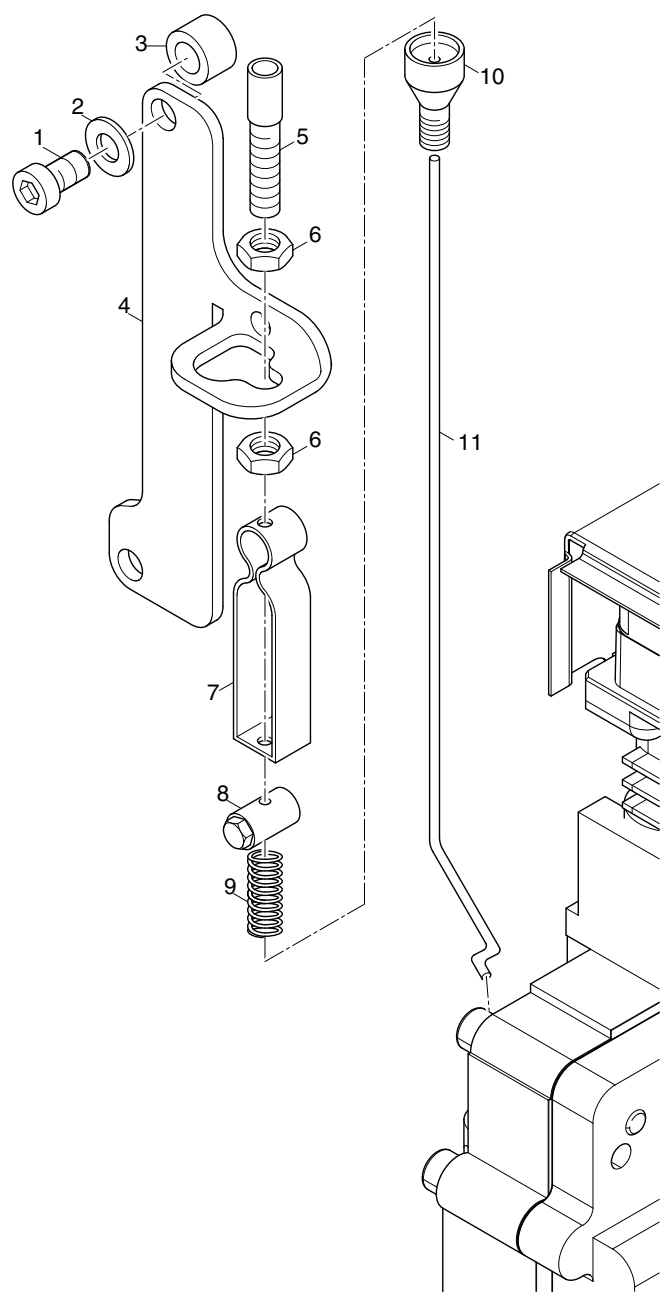
Engine stop device  
Motorabstellvorrichtung  
Dispositif d'arret  
Dispositivo de parado  
Dispositivo di arresta



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|-------------------|----------------|----------------|----------------|------------|-------------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                               |
| 1            | 0000 017 864 01   | 1              | 1              | 1              |            |                               |
| 2            | -----             | -              | -              | -              |            |                               |
| 3            | 0000 504 469 00   | 4              | 4              | 4              |            | M 4 x 16 DIN 912-8.8 A3C Tuf. |
| 4            | 0000 503 290 00   | 1              | 1              | 1              |            | 9,5 x 2,5                     |
| 5            | 0000 052 213 01   | 1              | 1              | 1              |            | Hinweisschild                 |
| 6            | 0000 017 860 01   | 1              | 1              | 1              |            | 12V                           |
| 6            | 0000 017 862 01   | 1              | 1              | 1              |            | 24V                           |
| 7            | 0000 017 861 01   | 1              | 1              | 1              |            | 12V                           |
| 7            | 0000 017 863 01   | 1              | 1              | 1              |            | 24V                           |
| 8            | -----             | -              | -              | -              |            |                               |
| 9            | 0000 015 471 01   | 1              | 1              | 1              |            |                               |
| 10           | 0000 015 482 01   | 1              | 1              | 1              |            |                               |
| 12           | 0000 400 215 00   | 1              | 1              | 1              |            | 0,5 / 0,3 x 200               |
| 13           | 0000 400 214 00   | 1              | 1              | 1              |            | 8 mm ø                        |
| 14           | 0000 053 072 00   | 1              | 1              | 1              |            |                               |

Z09d

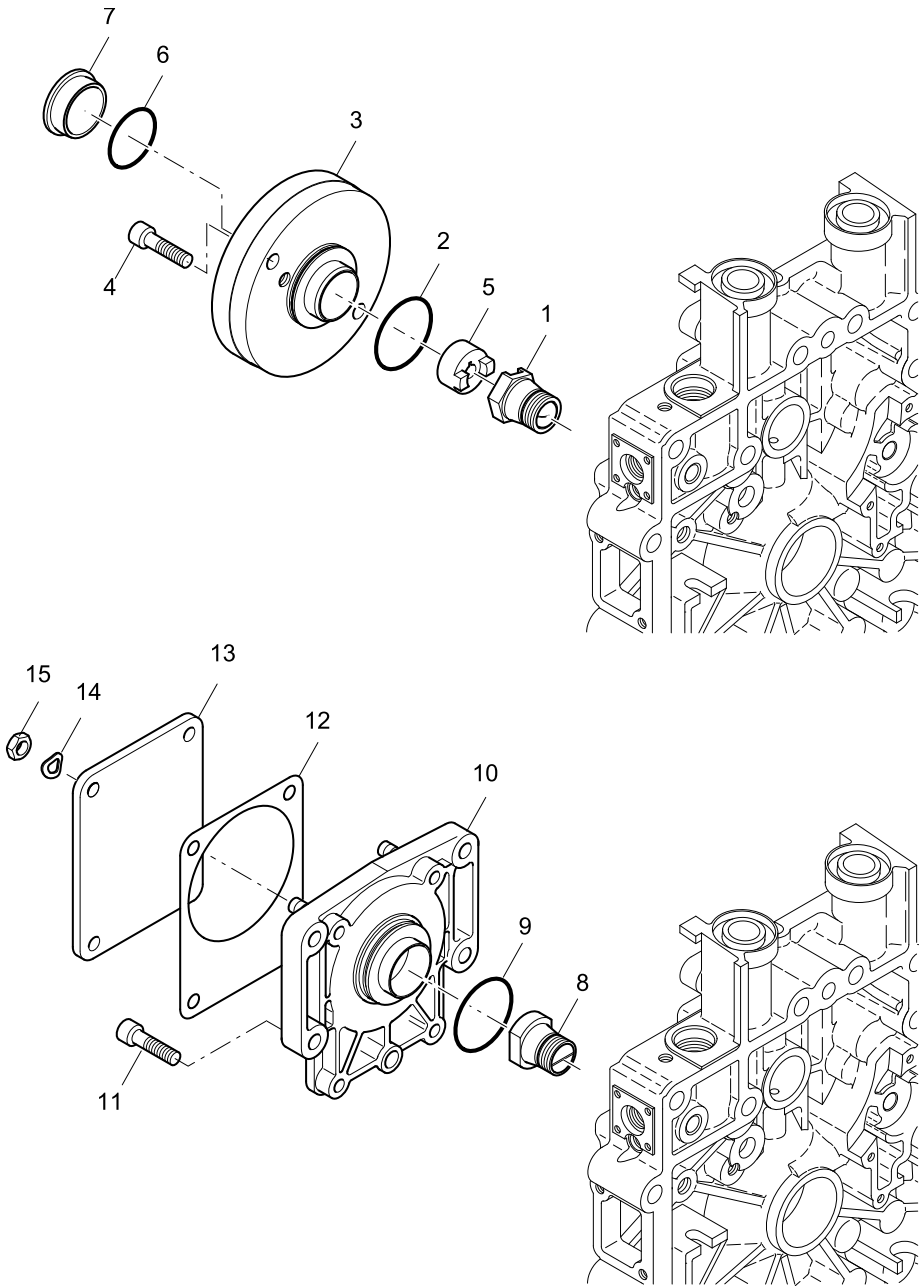
Speed control internal  
Drehzahlverstellung innenliegend  
Reglage régime dedans  
Ajuste de revoluciones interior  
Comando acceleratore interno



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|------------------------|----------------|----------------|----------------|------------|-----------------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                             |
| 1            | 0000 <b>504 629 00</b> | 2              | 2              | 2              |            | M 6 x 20 DIN 6912 - 8.8 A3C |
| 2            | 0000 <b>501 445 00</b> | 2              | 2              | 2              |            | 6,4 DIN 125-St A3C          |
| 3            | 0000 <b>033 546 00</b> | 2              | 2              | 2              |            | 7 x 12 x 8                  |
| 4            | 0000 <b>051 411 02</b> | 1              | 1              | 1              |            |                             |
| 5            | 0000 <b>051 412 00</b> | 1              | 1              | 1              |            | M 6                         |
| 6            | 0000 <b>501 444 00</b> | 2              | 2              | 2              |            | M 6 DIN 934 - 8 A3C         |
| 7            | 0000 <b>051 614 00</b> | 1              | 1              | 1              |            |                             |
| 8            | 0000 <b>504 810 00</b> | 1              | 1              | 1              |            |                             |
| 9            | 0000 <b>504 809 00</b> | 1              | 1              | 1              |            |                             |
| 10           | 0000 <b>016 567 00</b> | 1              | 1              | 1              |            |                             |
| 11           | 0000 <b>041 301 10</b> | 1              | 1              | 1              |            |                             |

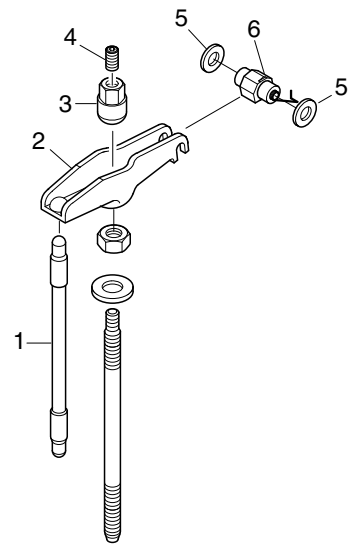
Z18

Mount. parts hydr. pump  
Anbauteile Hydraulikpumpe  
Pièces mont. -pompe hydr.  
Piezas mont. bomba hidr.  
Particolari per montaggio pompa idraulica



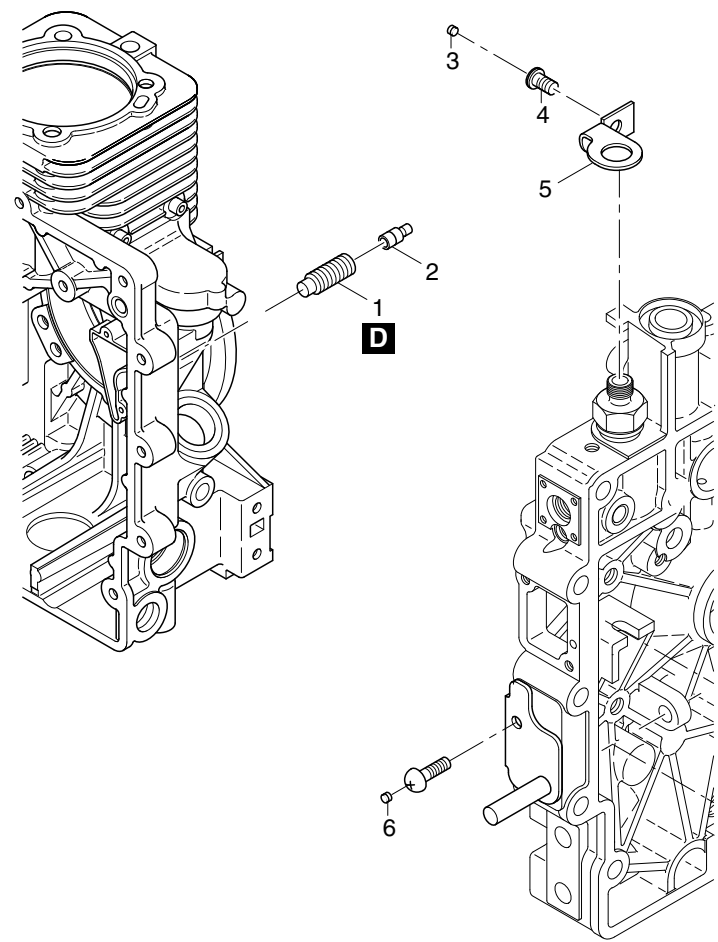
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|----------------|----------------|----------------|------------|---------------------------|
|              |                   | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                           |
| 1            | 0000 015 581 00   | 1              | 1              | 1              |            |                           |
| 2            | 0000 504 545 00   | 1              | 1              | 1              |            | 44 x 1,5                  |
| 3            | 0000 051 150 00   | 1              | 1              | 1              |            |                           |
| 4            | 0000 501 759 00   | 2              | 2              | 2              |            | M 8 x 30 DIN 912-8.8A3C   |
| 5            | 0000 051 147 00   | 1              | 1              | 1              |            |                           |
| 6            | 0000 502 882 00   | 1              | 1              | 1              |            | 32 x 2,5                  |
| 7            | 0000 501 631 01   | 1              | 1              | 1              |            | F 25 ø 31,8               |
| 8            | 0000 015 580 00   | 1              | 1              | 1              |            |                           |
| 9            | 0000 504 545 00   | 1              | 1              | 1              |            | 44 x 1,5                  |
| 10           | 0000 016 648 00   | 1              | 1              | 1              |            |                           |
| 11           | 0000 504 943 00   | 4              | 4              | 4              |            | M 8 x 20 DIN 912-8.8 Tuf. |
| 12           | 0000 035 680 00   | 1              | 1              | 1              |            |                           |
| 13           | 0000 037 616 00   | 1              | 1              | 1              |            |                           |
| 14           | 0000 500 951 00   | 4              | 4              | 4              |            | A 8 DIN 137 A3C           |
| 15           | 0000 501 480 00   | 4              | 4              | 4              |            | M 8 DIN 934-8 A3C         |

Autom. valve adjuster  
Autom. Ventilspielnachsteller  
Correcteur automatique du jeu de soupape  
Ajuste automatico luz de valvulas  
Regolazione automatica valvole



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück  |                |                | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|------------------------|----------------|----------------|----------------|------------|-------------------------|
|              |                        | 1B20<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                         |
| 1            | 0000 <b>013 742 01</b> | 2              | 2              | -              |            |                         |
| 1            | 0000 <b>013 741 01</b> | -              | -              | 2              |            |                         |
| 2            | 0000 <b>050 509 02</b> | 2              | 2              | -              |            |                         |
| 2            | 0000 <b>052 835 00</b> | -              | -              | 2              |            |                         |
| 3            | 0000 <b>050 547 00</b> | 2              | 2              | 2              |            |                         |
| 4            | 0000 <b>505 131 00</b> | 2              | 2              | 2              |            |                         |
| 5            | 0000 <b>052 407 00</b> | 0... 4         | 0... 4         | 0... 4         |            | W2 M 8 x 10 DIN 916-45H |
| 5            | 0000 <b>504 451 00</b> | 0... 4         | 0... 4         | 0... 4         |            | 6 x 12 x 1,35           |
| 6            | 0000 <b>017 760 00</b> | 2              | 2              | 2              |            | 6 x 12 x 1,2 DIN 988    |

Spec. equipment EPA  
Motorausrüstung EPA  
Equipm. spec. EPA  
Equipo espec. EPA  
Kit trasformazione EPA



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück  |                 |                |                | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|-------------------|----------------|-----------------|----------------|----------------|------------|----------------------------|
|              |                   | 1B20<br>EPA IV | 1B20R<br>EPA IV | 1B27<br>EPA IV | 1B30<br>EPA IV |            |                            |
| 1            | 0000 041 987 00   | 1              | 1               | 1              | 1              |            |                            |
| 2            | 0000 041 505 00   | 1              | 1               | 1              | 1              |            | 6                          |
| 3            | 0000 041 706 00   | 1              | 1               | 1              | 1              |            | 4,15                       |
| 4            | 0000 504 950 00   | 1              | 1               | 1              | 1              |            | M 6 x 12 DIN 7380-10.9 A3C |
| 5            | 0000 041 853 01   | 1              | 1               | 1              | 1              |            |                            |
| 6            | 0000 052 015 00   | 1              | 1               | 1              | 1              |            | 3                          |



## HATZ service network

|                       |                |                                   |                                      |                                    |
|-----------------------|----------------|-----------------------------------|--------------------------------------|------------------------------------|
| A                     | Austria        | 2320 Schwechat - Rannersdorf      | Josef Hofmann GmbH.                  | +43 - 1 - 7 07 06 08               |
| A                     | Austria        | 4600 Wels                         | Motor Center Austria GmbH            | +43 - 7242 - 4 71 61-0             |
| A                     | Austria        | 5020 Salzburg                     | Ing. R. Schneider                    | +43 - 662 - 87 23 54               |
| A                     | Austria        | 6065 Thaur                        | Romed Müssigang                      | +43 - 5223 - 49 28 34              |
| A                     | Austria        | 6830 Rankweil                     | Ländletechnik Schäfer GmbH           | +43 - 5522 - 4 50 60               |
| A                     | Austria        | 8073 Feldkirchen                  | Langbauer - Motoren e.U.             | +43 - 316 - 71 15 95               |
| A                     | Austria        | 9170 Ferlach                      | Johann Koslitsch                     | +43 - 4227 - 59 33                 |
| AN                    | Angola         | Luanda                            | Organizacoes JLM Lda.                | +244 912 500 328                   |
| AUS                   | Australia      | 2164 Smithfield NSW               | HATZ Australia Pty. Ltd.             | +61 - 2 - 8788 7999                |
| AZ                    |                | 1029 BAKU                         | AS TEXNIKA LLC                       | +99412 418 0106 562                |
| B                     | Belgium        | 3090 OVERIJSE                     | BIA GROUP NV/SA                      | +32(0)2 689 28 11                  |
| BF                    | Burkina Faso   | Ouagadougou 01                    | Impex Afrique                        | +226 - 50 43 37 37                 |
| BG                    | Bulgaria       | 1715 Sofia                        | ENERGIA-MARVAKOV                     | +359 - 29 62 14 95                 |
| BHT                   | Bhutan         | Gongkhar Bumthang                 | Jigme Norbu Enterprise               | +975 - 3 - 63 11 81 or 63 11 70    |
| BR                    | Brazil         | 09220-790 SANTO ANDRE - SAO PAULO | DAIFORCE COM DE MAQ. E MOTORES       |                                    |
| LTDA +55 11 4461 4979 |                |                                   |                                      |                                    |
| BRN                   | Bahrain        | 646 Nuwaidrat                     | Gulf Equipment & Technology (G.E.T.) | +973 - 170 00 08                   |
| BY                    | Belarus        | 223021 Minsk region               | Fomar Ltd.                           | +375 - 17 - 507 68 20              |
| CAM                   | Cameroon       | DOUALA                            | EMEI DIESEL Sarl                     | 00237 33 42 87 51                  |
| CDN                   | Canada         | WI 53187-0258 Waukesha            | HATZ Diesel of America, Inc.         | +1 - 262 - 5 44 02 54              |
| CH                    | Switzerland    | 8852 Altendorf                    | Motorenfabrik HATZ AG                | +41 - 55 - 4 51 75 30              |
| CI                    | Côte d'Ivoire  | 1691 ABIDJAN 11                   | PRESTIGE - AUTO                      | +225 21756555                      |
| CN                    | China          | Xiamen                            | Motorenfabrik Hatz GmbH. & Co. KG.   | +86 - 592 - 520 45 -28/-38/-78     |
| CO                    | Columbia       | Medellin                          | Eduardoño S.A.                       | + 57 - 4 444 5888                  |
| CR                    | Costa Rica     | 94099 Ruhstorf                    | Motorenfabrik Hatz GMBH & CO. KG     | +49 (0)8531 319 373                |
| CY                    | Cyprus         | 3724 Limassol                     | L.NEMITSAS LTD                       | +357 - 25 - 56 92 25               |
| CZ                    | Czech Republic | 37001 Ceske Budejovice            | David Servis spol. s.r.o.            | +420 - 38 - 7 31 22 69             |
| D                     | Germany        | 02730 Ebersbach                   | Peter Hirche                         | +49 - (0)3586 - 36 23 79           |
| D                     | Germany        | 03130 Spremberg                   | Lischke Motortechnik                 | +49 - (0)3563 - 60 50 40           |
| D                     | Germany        | 04509 Wiedemar                    | SERVICEZENTRALE                      | +49 - (0)34207 - 7 44 0            |
| D                     | Germany        | 04749 Ostrau                      | Teichert GmbH                        | +49 - (0)34324 - 2 22 43 / 2 46 79 |
| D                     | Germany        | 07806 Neustadt / Orla             | Hoffmann & Sohn GmbH                 | +49 - (0)36481 - 29 60             |
| D                     | Germany        | 07957 Langerwetzendorf            | LAREMO GmbH                          | +49 - (0)3 66 25 / 5 52 07         |
| D                     | Germany        | 09669 Frankenberg                 | Huebner u. Kluge GmbH                | +49 - (0)37206 - 22 17             |
| D                     | Germany        | 12057 Berlin                      | Fritz Bugel GmbH                     | +49 - (0)30 - 6 84 25 45           |
| D                     | Germany        | 14774 Brandenburg / Plaue         | Stolze Moto-Tech GmbH                | +49 - (0)3381 - 4 04 70            |
| D                     | Germany        | 15345 Altlandsberg                | Alfons Hase                          | +49 - (0)33438 - 6 04 16           |
| D                     | Germany        | 15831 Groß-Kienitz                | Wilhelm Schmidt GmbH                 | +49 - (0)3 37 08 - 54 10           |
| D                     | Germany        | 17235 Neustrelitz                 | Autek-Truck - Technik & Service GmbH | +49 - (0)3981 - 4 49 90            |
| D                     | Germany        | 18055 Rostock                     | Mechanische Werkstatt                | +49 - (0)381 - 69 08 20            |
| D                     | Germany        | 18442 GROß-LÜDERSHAGEN            | MOTOR-SPEZI                          | 03831-444393                       |
| D                     | Germany        | 19348 Döpew                       | Bernd Jüchert                        | +49 - (0)3876 - 78 89 31           |
| D                     | Germany        | 21107 Hamburg (Wilhelmsburg)      | SERVICEZENTRALE                      | +49 - (0)40 - 7 56 05 70           |
| D                     | Germany        | 23556 Lübeck                      | Kindt-Motoren                        | +49 - (0)451 - 8 13 06 80          |
| D                     | Germany        | 24145 Kiel - Wellsee              | Wulf Johannsen KG GmbH & Co.         | +49 - (0)431 - 58 795 33           |
| D                     | Germany        | 26121 Oldenburg i.O.              | Motoreninstandsetzung Oldenburg GmbH | +49 - (0)441 - 7 20 21/22          |

## HATZ service network



|     |                |                                   |                                        |                                    |
|-----|----------------|-----------------------------------|----------------------------------------|------------------------------------|
| D   | Germany        | 28199 Bremen                      | Reinhold Linnenbrügger GmbH            | +49 - (0)421 - 50 40 48 / 50 40 49 |
| D   | Germany        | 31275 Lehrte                      | GM-Motoreninstandsetzung               | +49 - (0)5132 - 27 22              |
| D   | Germany        | 32756 Detmold                     | Wilhelm Plass                          | +49 - (0)5231 - 2 32 09            |
| D   | Germany        | 33611 Bielefeld                   | Faust & Noel e.K.                      | +49 - (0)521 - 6 18 83             |
| D   | Germany        | 36433 Moorgrund / OT Gumpelstadt  | Autohaus Kallenbach                    | +49 - (0)3695 - 8 42 38            |
| D   | Germany        | 37081 Göttingen-Grone             | Gerhard Wienstroth GmbH & Co. KG       | +49 - (0)551 - 69 31 10            |
| D   | Germany        | 39124 Magdeburg                   | Motoreninstandsetzung GmbH             | +49 - (0)391 - 28 92 11 0          |
| D   | Germany        | 44143 Dortmund-Wambel             | Dressendörfer GmbH & Co. KG            | + 49 (231) 565563(0)-11            |
| D   | Germany        | 47198 Duisburg                    | ASS                                    | 02841/1733117                      |
| D   | Germany        | 48282 Ermsdetten                  | Herbert Schwarte GmbH                  | +49 - (0)2572 - 50 02              |
| D   | Germany        | 48653 Coesfeld                    | Loick Motoren Technik GmbH. & Co. KG.  | +49 - (0)2541 - 7 00 44            |
| D   | Germany        | 49716 Meppen/Erms                 | M. + E. Motoren- und Energietechnik    | +49 - (0)5931 - 98 44-0            |
| D   | Germany        | 50859 Köln                        | Peter Müller GmbH                      | +49 - (0)2234 - 7 91 69            |
| D   | Germany        | 52477 Alsdorf - Mariadorf         | B. Hamacher GmbH                       | +49 - (0)2404 - 9 85 60            |
| D   | Germany        | 52525 Heinsberg                   | Winkens GmbH                           | +49 - (0)2452 - 9 03 13-0          |
| D   | Germany        | 54292 Trier                       | motormobile                            | +49 - (0)651 - 43 68 60            |
| D   | Germany        | 56323 Waldesch                    | Seibert & Münch                        | +49 - (0)2628 - 29 01              |
| D   | Germany        | 57368 Lennestadt                  | Motoreninstandsetzung                  | +49 - (0)2725 - 2 47               |
| D   | Germany        | 59069 Hamm-Rhynern                | Friedel Dicke GmbH                     | +49 - (0)2385 - 7 08 06-0          |
| D   | Germany        | 59609 Anröchte                    | Friedrich Dicke GmbH & Co.KG           | +49 - (0)2947 - 979863             |
| D   | Germany        | 64293 Darmstadt                   | SERVICEZENTRALE                        | +49 (0)6151 - 39 7 49 0            |
| D   | Germany        | 67661 Kaiserslautern (Siegelbach) | Emrich GmbH                            | +49 - (0)6301 - 80 82, 80 83       |
| D   | Germany        | 69214 Eppelheim                   | Eberle Hald Handel u. Dienstleistungen | +49 (0) 6221 7558 39 - 0           |
| D   | Germany        | 70188 Stuttgart                   | Eberle Hald Handel u. Dienstleistungen | +49 (0) 711 480 24 - 0             |
| D   | Germany        | 72555 Metzingen                   | Eberle Hald Handel u. Dienstleistungen | +49 - (0)7123 - 92 31 0            |
| D   | Germany        | 73492 Rainau-Goldshoefer          | Eberle Hald Handel u. Dienstleistungen | +49 (0)7361 9718 02                |
| D   | Germany        | 76139 Karlsruhe                   | Ehlgötz                                | +49 - (0)721 - 6 23 54-0           |
| D   | Germany        | 76571 Gaggenau                    | SKS-Motoren GmbH                       | +49 - (0)7225 - 96 08 23           |
| D   | Germany        | 78652 Dissslingen                 | Eberle Hald Handel u. Dienstleistungen | +49 (0) 7425 3386 - 0              |
| D   | Germany        | 79211 Denzlingen                  | Karl Hoch GmbH                         | +49 - (0)7666 - 88 24-0            |
| D   | Germany        | 79331 Teningen - Nimbürg          | Eberle Hald Handel u. Dienstleistungen | +49 (0)7663 9309 - 0               |
| D   | Germany        | 81477 München                     | Stefan Lutzenberger                    | +49 - (0)89 - 78 20 39             |
| D   | Germany        | 83483 Bischofswiesen              | Friedrich Dicke GmbH & Co. KG          | +49 - (0)8652 - 6 43 06            |
| D   | Germany        | 88074 Meckenbeuren                | Eberle Hald Handel u. Dienstleistungen | +49 (0) 7542 9410 - 0              |
| D   | Germany        | 90449 Nürnberg                    | Guth & Eberle GmbH                     | +49 - (0)911 - 6 88 79 53          |
| D   | Germany        | 94099 Ruhstorf                    | Motorenfabrik Hatz GmbH & Co. KG       | +49 - (0)8531 - 31 90              |
| D   | Germany        | 94501 Aldersbach                  | Christian Sauer                        | +49 - (0)8543 - 91 60 81           |
| D   | Germany        | 97904 Dorfprozelten               | MSG Mainschiffahrts-                   | +49 - (0)9392 - 93 41-0            |
| DK  | Denmark        | 2630 Taastrup                     | Erenfred Pedersen A/S                  | +45 - 43 71 01 66                  |
| DK  | Denmark        | 6000 Kolding                      | Erenfred Pedersen A/S                  | +45 - 76 33 60 60                  |
| DK  | Denmark        | 9000 Aalborg                      | Erenfred Pedersen A/S                  | +45 - 98 13 77 22                  |
| DOM | Dominican Rep. | Santo Domingo                     | La Antillana Comercial, S.A.           | +1 - 809 - 5 65 31 51              |
| DZ  | Algeria        | Alger                             | Dieselec S.A.R.L.                      | +213 - 21 - 49 50 54 / 55 / 56     |
| E   | Spain          | 01013 Vitoria                     | Talleres Solaf, S.A.                   | +34 - 945 - 260781                 |
| E   | Spain          | 07007 Palma de Mallorca           | Comagrilsa                             | +34 - 971 - 420137                 |
| E   | Spain          | 07714 Mahón                       | Parot, S.A.                            | +34 - 971 - 360623                 |

|     |             |                                        |                                        |                                   |
|-----|-------------|----------------------------------------|----------------------------------------|-----------------------------------|
| E   | Spain       | 08038 Barcelona                        | Comercial Aim, S.L.                    | +34 - 93 - 3393250                |
| E   | Spain       | 15008 A Coruña                         | Talleres Hércules                      | +34 - 981 - 261650 / 252935       |
| E   | Spain       | 17469 Fortià (Girona)                  | Mauricio Xatart Tell                   | +34 - 972 - 534088                |
| E   | Spain       | 18080 Granada                          | Comercial Peña Torres                  | +34 - 958 - 816600                |
| E   | Spain       | 18200 Maracena                         | Talleres Soriano                       | +34 - 958 - 410689                |
| E   | Spain       | 23009 Jaén                             | Comercial Peña Torres, S.A.            | +34 - 953 - 28 05 77              |
| E   | Spain       | 25230 Mollerusa (Lleida)               | Talleres Comaposada                    | +34 - 973 - 60 12 27              |
| E   | Spain       | 28906 Getafe - Madrid                  | Austral Reparaciones y Servicios, S.L. | 91 691 80 29                      |
| E   | Spain       | 29004 Málaga                           | Comercial Peña Torres                  | +34 - 952 - 17 70 72              |
| E   | Spain       | 30500 Molina de Segura                 | Campos López                           | +34 - 968 - 386248                |
| E   | Spain       | 31192 Mutilva Alta                     | Maquinaria y Servicios ECA             | +34 - 948 - 24 10 17              |
| E   | Spain       | 33211 Gijón                            | MaprinSA, S.A.                         | +34 - 985 - 167772                |
| E   | Spain       | 35008 El Sebadal                       | Fuendor                                | +34 - 928 - 46 53 06              |
| E   | Spain       | 38320 Taco                             | Fuendor (Repuestos)                    | +34 - 922 - 65 54 50              |
| E   | Spain       | 38350 Tacoronte                        | Fuendor (Taller)                       | +34 - 922 - 56 05 25              |
| E   | Spain       | 41007 Sevilla                          | Repuestos Correa                       | +34 - 954 361866                  |
| E   | Spain       | 43206 Reus (Tarragona)                 | Tractomecanic Maquinaria S.L.          | +34 - 977 - 314923                |
| E   | Spain       | 46469 Beniparell (Valencia)            | Talleres Rimi                          | +34 - 96 - 1 21 70 91             |
| E   | Spain       | 47193 La Cisterniga                    | Zafara                                 | +34 - 983 - 476851 / 225620       |
| E   | Spain       | 47610 Zaratán                          | Talleres Sermacons S.L.                | +34 - 983 - 342040                |
| E   | Spain       | 48014 Bilbao                           | Loter S.L.                             | +34 - 944 - 755853                |
| E   | Spain       | 50016 Zaragoza                         | Loma e Hijos, S.L.                     | +34 - 976 - 575177 / 570809       |
| E   | Spain       | 50171 La Puebla de Alfindén (Zaragoza) | Motores HATZ Espana S.L.U.             | +34 - 976 - 10 81 28              |
| EAK | Kenya       | 00100 Nairobi                          | First Machineries Ltd.                 | +254 - 20 - 55 77 86              |
| EC  | Ecuador     | Guayaquil                              | Compañía Comercial                     | +593 - 4 -256 05 02               |
| ES  | El Salvador | San Salvador                           | TEMSA                                  | +503 - 2239 8600                  |
| ET  | Egypt       | 11331 Cairo                            | Market Leaders                         | +20 - 22 - 4 53 07 63, 4 53 09 17 |
| ETH | Ethiopia    | 94099 RUHSTORF                         | MOTORENFABRIK HATZ GMBH & CO.KG        | +49 8531 319 425                  |
| EW  | Estonia     | 11612 Tallinn                          | Estmotor Oü                            | +372 - 6 52 65 95                 |
| F   | France      | 10350 Marigny Le Châtel                | Garage Mathieu                         | +33 - 3 - 25 39 24 01             |
| F   | France      | 13852 Aix-en-Provence                  | I.M.F.                                 | +33 - 4 - 42 90 30 65             |
| F   | France      | 14123 IFS                              | BOUVET S.A.S                           | +33 - 2 - 31 52 01 47             |
| F   | France      | 19100 Brive                            | Saint-Germain Rectif & Pradeau Moteurs | +33 - 5 - 55 86 91 91             |
| F   | France      | 21560 Arc-sur-Tille                    | Garage Remillet                        | +33 - 3 - 80 37 24 52             |
| F   | France      | 25410 Saint-Vit                        | DEPANNT'P                              | +33 - 3 - 81 87 61 10             |
| F   | France      | 27002 Evreux Cédex                     | Demolin                                | +33 - 2 - 32 39 07 22             |
| F   | France      | 31300 Toulouse                         | MIDI-DIESEL ELECTRO ACCESSOIRES        | +33 - 5 - 61 42 80 11             |
| F   | France      | 33704 Mérignac                         | Laporte                                | +33 - 5 - 56 34 20 26             |
| F   | France      | 34671 Baillargues Cédex 1              | L.M.S. (Languedoc Matériel Service)    | +33 - 4 - 67 91 29 39             |
| F   | France      | 37170 Chambray-Les-Tours               | Perron & Gay                           | +33 - 2 - 47 28 94 94             |
| F   | France      | 54710 Fléville                         | M.T.E. Services                        | +33 - 3 - 83 25 75 00             |
| F   | France      | 56402 Auray Cédex                      | PENQUEST                               | +33 - 2 - 97 24 16 59             |
| F   | France      | 59167 LALLAING                         | COMOTEQ                                | +33 - 3 - 27 99 35 23             |
| F   | France      | 67300 Schiltigheim                     | ALSIA                                  | +33 - 3 - 88 33 05 95             |
| F   | France      | 69684 Chassieu Cedex                   | HATZ-France                            | +33 - 4 - 78 90 73 25             |
| F   | France      | 76807 Saint-Etienne du Rouvray Cedex   | Morisse-Nayrat                         | +33 - 2 - 32 95 91 65             |

|     |               |                             |                                     |                                    |
|-----|---------------|-----------------------------|-------------------------------------|------------------------------------|
| F   | France        | 78610 Le Perray en Yvelines | Sudmat                              | +33 - 1 - 34 57 85 00              |
| F   | France        | 78703 Conflans-Ste-Honorine | Diesel Marine                       | +33 - 1 - 39 72 68 83              |
| F   | France        | 94290 Villeneuve le Roi     | S.F.2.A                             | +33 - 1 - 49 61 30 90              |
| FIN | Finland       | 01390 Vantaa                | Finmotor Oy                         | +358 - 9 - 8 70 09 70              |
| FJI | Fiji          | Suva, Fiji Is.              | Solar & Alternative                 | +679 - 3 39 80 06                  |
| G   | Gabon         | Libreville                  | MIAG                                | +241 - 76 00 31, 72 17 27          |
| GB  | Great Britain | BL4 OLS Bolton              | Seddons Plant                       | +44 - 1204 - 85 46 00              |
| GB  | Great Britain | BS20 7XE Bristol            | Rollo UK ( Aktion Automotive )      | +44 1275 377800                    |
| GB  | Great Britain | CF24 5EL Cardiff            | CPS (European) Ltd.                 | +44 2920 453194                    |
| GB  | Great Britain | CM9 5FA Essex               | Taylor Construction Plant Ltd       | +44 - 1621 - 85 07 77              |
| GB  | Great Britain | CV21 1PB Warkwickshire      | BrownPower Eng Ltd                  | +44 - 1788 - 57 75 75              |
| GB  | Great Britain | FK16 6AU Perthshire         | Young Plant & Equipment             | +44 - 1786 - 84 15 98              |
| GB  | Great Britain | GL17 0IA Gloucestershire    | Titan Industrial Ltd                | +44 - 1452 - 83 18 21              |
| GB  | Great Britain | KT10 9AJ Surrey             | A&P Services (Surrey) Ltd           | +44 1372 468315                    |
| GB  | Great Britain | LE10 3BP Hinckley, Leics.   | HATZ Great Britain Ltd.             | +44 - 1455 - 62 21 01              |
| GB  | Great Britain | LN1 2LR Lincoln             | CG Plant Sales                      | +44 - 1522 - 70 40 14              |
| GB  | Great Britain | LS12 6EP Leeds              | W.G. Search Ltd                     | +44 - 1132 - 79 79 90              |
| GB  | Great Britain | LS12 JAJ Leeds              | Chippindale Plant Ltd               | +44 - 113 - 2 63 23 44             |
| GB  | Great Britain | LU5 6HF Dunstable           | Southern Plant Ltd.                 | +44 845 304 0001                   |
| GB  | Great Britain | ME20 6SE Kent               | Leach Lewis Plant Ltd.              | +44 1622 718118                    |
| GB  | Great Britain | NE4 7AX Newcastle           | John Nixon Ltd.                     | +44 - 191 - 2 26 06 66             |
| GB  | Great Britain | NN11 8QJ Northants          | Bryco Group Ltd.                    | +44 - 1327 - 87 61 66              |
| GB  | Great Britain | PL12 6LX Cornwall           | AB Services Ltd.                    | +44 - 1752 - 84 88 20              |
| GB  | Great Britain | PO13 0FJ Hampshire          | Meetens Industrial Engines          | +44 845 6340297                    |
| GB  | Great Britain | RH19 2Hu West Sussex        | Hydraulic Plant Services Ltd.       | +44 1343 327300                    |
| GB  | Great Britain | SN8 2RN Wiltshire           | T.H. White                          | +44 - 1672 - 51 23 28              |
| GB  | Great Britain | ST4 3NX Stoke-on-Trent      | Seddons Plant                       | +44 - 1782 - 59 34 44              |
| GB  | Great Britain | TD14 9AE Devon              | Sleeman & Hawken Ltd.               | +44 1626 778266                    |
| GB  | Great Britain | TS18 2PF Stockton           | John Nixon Ltd.                     | +44 - 1642 - 67 26 94              |
| GCA | Guatemala     | Guatemala, Ciudad           | Técnico Mercantil S.A.              | + 502 - 2331 4193                  |
| GH  | Ghana         | Accra - North               | Agria Machinery                     | +233 - 302 - 22 21 69              |
| GN  | Guinea        | Conakry                     | IDRISSA DIOP                        | +224 30 47 80 80                   |
| GR  | Greece        | 11855 Athens                | DIM - HA. Ltd.                      | +30 - 210 - 3 41 73 63             |
| GUA | Guadeloupe    | 97176 Abymes Cedex          | Assistance 97 Guadeloupe            | +590 - 590 47 09 90                |
| GUY | Guyana        | 94099 Ruhstorf              | Motorenfabrik Hatz GMBH & CO. KG    | +49 (0)8531 319 373                |
| H   | Hungary       | 1165 Budapest               | Benaco                              | +36 - 1 - 4 07 37 34               |
| HK  | Hong Kong     | Xiamen                      | Motorenfabrik Hatz GmbH. & Co. KG.  | +86 - 592 - 520 45 -28/-38/-78     |
| HN  | Honduras      | Tegucigalpa, D.C.           | Corporación Comercial, S.A. de C.V. | + 504 - 222 0576                   |
| HR  | Croatia       | 10000 Zagreb Hrvatska       | Diesel Motori d.o.o.                | +385 - 1 - 3 46 35 18, 3 46 26 69  |
| I   | Italy         | 00133 Roma                  | Eros Antonelli S.N.C.               | +39 - 06 - 72 65 02 60             |
| I   | Italy         | 04014 Borgo Vodice (LT)     | Dorati Luciano                      | +39 - 0773 - 85 01 09              |
| I   | Italy         | 05100 Terni                 | Lamperini Services                  | +39 - 0744 - 30 62 10              |
| I   | Italy         | 06061 Castiglione del Lago  | Della Giovampaola Danilo            | +39 - 075 - 96 52 433              |
| I   | Italy         | 09034 Elmas CA              | De Murtas Antonio & C. S.A.S.       | +39 - 070 - 21 61 06               |
| I   | Italy         | 10138 Torino                | Centro Ricambio                     | +39 - 011 - 4 55 11 81/ 4 55 12 11 |
| I   | Italy         | 12030 Faule (Cn)            | Multidiesel di Barge Ilario         | +39 - 338 - 7 19 94 09             |



## HATZ service network

|     |         |                                          |                                          |                                    |
|-----|---------|------------------------------------------|------------------------------------------|------------------------------------|
| I   | Italy   | 14056 Boglietto di Costigliole d'Asti AT | Barbero Andrea                           | +39 - 0141 - 96 82 93              |
| I   | Italy   | 16100 Genova                             | Bruzzone Enzo                            | +39 - 010 - 3 73 93 96             |
| I   | Italy   | 20068 Peschiera Borromeo (MI)            | C.S.D. Centro Servizi Diesel S.R.L.      | +39 - 02 - 55 303 000              |
| I   | Italy   | 21040 Origgio (VA)                       | C.M.R. s.n.c. di Bianchi Roberto & C.    | +39 - 02 - 96 73 20 62             |
| I   | Italy   | 22046 Erba CO                            | Miotto Luciano                           | +39 - 031 - 64 16 73               |
| I   | Italy   | 24050 Orio al Serio BG                   | Marconi & Caldara                        | +39 - 035 - 31 25 76 / 077 04 35   |
| I   | Italy   | 25021 Bagnolo Mella (Bs)                 | Officina Meccanica                       | +39 - 030 - 68 21 441              |
| I   | Italy   | 29017 Fiorenzuola d'Arda PC              | Arduini Luigi di Arduini Armando         | +39 - 0523 - 98 26 39              |
| I   | Italy   | 31057 Silea (Tv)                         | Trattoricambi sas                        | +39 - 0422 - 36 12 31              |
| I   | Italy   | 33010 Feletto Umberto Tavagnacco Ud.     | Ezio Fiorin Eredi di Alberto Fiorin & C. | +39 - 0432 - 57 30 76              |
| I   | Italy   | 33078 San Vito al Tagliamento (PN)       | Officina Venaruzzo Antonio               | +39 - 0434 - 87 63 77              |
| I   | Italy   | 34015 Muggia TS                          | Centro Ricambio                          | +39 - 040 - 23 17 15               |
| I   | Italy   | 35030 Vo                                 | Giuseppe Marcolongo                      | +39 - 049 - 9 94 06 76             |
| I   | Italy   | 36060 Romano d'ezzelino (VI)             | Parolin Enzo                             | +39 - 0424 - 3 09 75               |
| I   | Italy   | 38010 S. Michele all'Adige TN            | Campese S.N.C.                           | +39 - 0461 - 65 01 69              |
| I   | Italy   | 39100 Bolzano                            | Officina D'Ambrosio                      | +39 - 0471 - 20 42 00              |
| I   | Italy   | 40060 Trebbio Di Reno (BO)               | Venturoli Lauro                          | +39 - 051 - 70 02 41               |
| I   | Italy   | 41122 Modena                             | HATZ Italia S.R.L.                       | +39 - 059 - 25 41 29               |
| I   | Italy   | 41126 Modena (MO)                        | Centro Ricambi                           | +39 - 059 - 82 62 14               |
| I   | Italy   | 43100 Parma                              | Arduini Franco e Figlio S.N.C.           | +39 - 0521 - 48 75 66              |
| I   | Italy   | 44043 Marzabotto BO                      | Lolli F.C.                               | +39 - 051 - 93 24 41               |
| I   | Italy   | 47023 Cesena (FO)                        | Domeniconi Egisto Romano & C. S.N.C.     | +39 - 0547 - 32 55 13              |
| I   | Italy   | 50053 Empoli (FI)                        | O.R.M.A. di Niccolai Dino e              | +39 - 0571 - 8 03 04               |
| I   | Italy   | 50142 Firenze (FI)                       | Centro Ricambi                           | +39 - 055 - 7 32 74 43             |
| I   | Italy   | 60035 Jesi AN                            | Cercaci Officina Meccanica               | +39 - 0731 - 20 50 46              |
| I   | Italy   | 66020 Sambuceto (CH)                     | CO. GAL. CO. S.R.L.                      | +39 - 085 - 44 600 55              |
| I   | Italy   | 70123 Bari                               | Moretauto S.R.L.                         | +39 - 080 - 50 585 60              |
| I   | Italy   | 70123 Bari                               | Rettifiche de Palma                      | +39 - 080 - 5 34 16 38             |
| I   | Italy   | 71016 San Severo FG                      | Ianzano F. LLI Raffaele e Luigi          | +39 - 0882 - 33 14 18              |
| I   | Italy   | 73020 Martignano (LE)                    | Coriano Tomasso Officina Meccanica       | +39 - 0832 - 80 10 08              |
| I   | Italy   | 74015 Martina Franca (TA)                | Fratelli Cannella SNC                    | +39 - 080 - 48 552 59              |
| I   | Italy   | 80026 Casoria (NA)                       | CO. MAC. S.R.L.                          | +39 - 081 - 7 59 42 76, 7 59 08 00 |
| I   | Italy   | 84069 Roccadaspide (SA)                  | Sforza Marcello                          | +39 - 0828 - 94 18 34              |
| I   | Italy   | 85043 Latronico PZ                       | Falabella Egidio                         | +39 - 0973 - 85 81 41              |
| I   | Italy   | 88074 Crotone                            | R.A.I.M. S.A.S.                          | +39 - 0962 - 2 28 69               |
| I   | Italy   | 95131 Catania                            | Coco Gaetano di C. Mario e               | +39 - 095 - 53 96 50               |
| I   | Italy   | 97100 Ragusa (RG)                        | Ricca S.R.L.                             | +39 - 0932 - 66 74 00              |
| I   | Italy   | 98071 Capo d'Orlando ME                  | Motagrind S.D.F. di Mangano & Scarvaci   | +39 - 0941 - 90 19 59              |
| IL  | Israel  | 81100 Yavne, Israel                      | Shatal Engineering Ltd.                  | +972 - 8 - 9 32 02 20              |
| IND | India   | 110008 New Delhi                         | SKL (India) Pvt. Ltd.                    | +91 - 11 - 25896075                |
| IND | India   | 400072 Mumbai                            | SKL (India) Pvt. Ltd.                    | +91 - 22 - 28 47 66 49             |
| IQ  |         | Tehran                                   | Mr. B. Amyari                            | +98 - 9123152982                   |
| IR  | Iran    | Tehran                                   | Mr. B. Amyari                            | +98 - 9123152982                   |
| IRL | Ireland | BT36 8BX Mullusk                         | T.B.F. Thompson                          | +44 - 2890 - 84 83 71              |
| IRL | Ireland | BT51 5JZ Coleraine                       | T.B.F. Thompson                          | +44 - 28 - 29 55 83 53             |
| IS  | Iceland | 203 Kopavogur                            | Tækjasalan ehf.                          | +354-4-5672520                     |

## HATZ service network



|     |              |                                  |                                             |                                      |
|-----|--------------|----------------------------------|---------------------------------------------|--------------------------------------|
| J   | Japan        | 103-0023 Tokyo                   | Tominaga & Co., Ltd                         | +81 - 3 - 36 39 - 53 11              |
| JOR | Jordan       | 11118 Amman                      | Al Ghanem                                   | +962 - 6 - 4 39 51 55                |
| KAZ | Kazakhstan   | 007018 Ust-Kamenogorsk           | EngineService                               |                                      |
| KAZ | Kazakhstan   | 010000 Astana                    | EngineService                               | +7(7172) 73 80 73                    |
| KAZ | Kazakhstan   | 050052 Almaty                    | Engine Service                              | +7 - 727 - 3 41 01 10                |
| KAZ | Kazakhstan   | 050062 Almati                    | EngineService                               | +7 (727) 321-83-31                   |
| KH  |              | 768441 SINGAPORE                 | Please contact                              |                                      |
| KSA | Saudi Arabia | 21462 Jeddah                     | Electrical Work & Maintenance               | +966 - 2 - 6 91 66 55                |
| KWT | Kuwait       | Kuwait                           | Sabah International                         | +965 - 4 81 82 43                    |
| LT  | Lithuania    | 52367 Kaunas                     | PLLC MASTERMANN                             | +370 - 37 - 45 31 55                 |
| LV  | Latvia       | 1035 Riga                        | KONO Ltd.                                   | +371 - 67 - 14 94 25                 |
| MA  | Morocco      | MA-Casablanca                    | SONACOM                                     | +212 - 5 - 22 24 97 00               |
| MAL | Malaysia     | 47100 Puchong                    | Autorex Engineering & Trading               | +603 - 80 61 06 68                   |
| MAT | Martinique   | 97232 Le Lamentin                | Assistance 97                               | +596 - 5 96 50 30 00                 |
| MAW | Malawi       | 3 Blantyre                       | Engineering and Foundry                     | +2651 - 671241/672028                |
| MOC | Mozambique   | Maputo                           | ABC Trading Lda.                            | +258 - 21 - 30 92 79                 |
| MV  | Maldives     | Male                             | MA Services Pvt. Ltd.                       | +960 - 3 31 09 35                    |
| N   | Norway       | 4870 Fevik                       | Industrimotor AS                            | +47 - 37 - 09 16 00                  |
| NAM | Namibia      | Windhoek                         | ConServ Engineering Services C.C.           | +264 - 61 - 23 63 36                 |
| NL  | Netherlands  | 3311 JC Dordrecht                | Machinefabriek Dolderman BV                 | +31 - 78 - 6 13 82 77                |
| NL  | Netherlands  | 4104 AE Culemborg                | HATZ Nederland BV                           | +31 - 345 - 47 00 40                 |
| NL  | Netherlands  | 8013 NE Zwolle                   | Janal Engineering BV                        | +31 - 38 - 4 60 22 00                |
| NL  | Netherlands  | 9301 ZV Roden                    | Ausma Motorenrevisie B.V.                   | +31 - 50 - 5 01 60 28                |
| NZ  | New Zealand  | Auckland, New Zealand            | Youngman, Richardson and Co. Ltd.           | +64 - 9 - 4 43 24 36                 |
| OM  | Oman         | Al-Mawaleh South, Al-Seeb        | INMA CO. OMAN LLC                           | 00968 24552455                       |
| P   | Portugal     | 2130-111 Benavente - Lisboa      | Pinto & Cruz - Motores e Equipamentos, S.A. | +351 21 7 11 21 00                   |
| P   | Portugal     | 4100-320 Porto Codex             | Pinto & Cruz - Motores e Equipamentos S.A.  | +351 - 22 - 6 15 05 58               |
| PA  | Panama       | Panamá 5                         | Dimar, S.A.                                 | +507 - 2 29 14 44                    |
| PE  | Peru         | Lima 03                          | Or Maquinarias S.A.C.                       | +51 - 1 - 479/8170, 8265             |
| PL  | Poland       | 03-046 Warszawa                  | Full Sp. Z o.o.                             | +48 - 22 - 8 19 40 40                |
| PL  | Poland       | 30-732 Krakow                    | Wakbud Sp. Z o.o.                           | +48 - 12 - 6 53 25 37                |
| PL  | Poland       | 41-803 Zabrze                    | Wobis                                       | +48 - 32 - 2 75 32 26                |
| PL  | Poland       | 55-010 Zerniki Wroclawskieawskie | Maszyzny Budowlane "JAS"                    | +48 - 89 - 5 34 59 74                |
| PL  | Poland       | 84-122 Zelistrzewo               | E.M.A. Hochschul S.C.                       | +48 - 58 - 6 73 60 80                |
| PL  | Poland       | 85-549 Bydgoszcz                 | Technet S.C.                                | +48 - 52 - 3 70 70 90                |
| PL  | Poland       | 95-002 Smardzew                  | Broker - Serwis                             | +48 - 42 - 7177868; 7177883; 7177895 |
| PNG | Papua New G. | 2164 Smithfield NSW              | please contact:                             | +61 - 2 - 8788 7999                  |
| Q   | Qatar        | Doha                             | INMA Company - Qatar L.L.C.                 | +974 - 4 - 43 00 88                  |
| RA  | Argentina    | S 2252 BMR Galvez (Santa Fé)     | Bounous Hnos S.A.                           | +54 - 3404 - 48 16 10                |
| RB  | Botswana     | Gaborone                         | Orbit Pumps (Botswana) (Pty) Ltd.           | +267 - 397 49 26                     |
| RC  | Taiwan       | 768441 Singapore                 | EquipSource Pte Ltd                         | +65 - 67 59 22 96                    |
| RCB | Congo        | 3689 Kinshasa-Gombe              | Bureau Technique BIA sprl                   | +243 - 81 - 1 60 23 95               |
| RCH | Chile        | Santiago                         | Tecnica de Maquinarias Ltda.                | +56 - 22 - 7 82 92 75                |
| REU | Réunion      | 94099 RUHSTORF                   | MOTORENFABRIK HATZ GMBH & CO.KG             | +49 8531 319 425                     |
| RI  | Indonesia    | 768441 Singapore                 | Please contact our agent in Singapore       | +65 - 67 59 22 96                    |
| RIM | Mauritania   | Nouakchott                       | SOSEQ S.A.                                  | +222 - 5 25 47 30                    |

|     |             |                               |                                    |                                     |
|-----|-------------|-------------------------------|------------------------------------|-------------------------------------|
| RL  | Lebanon     | 1102-2070 Beirut              | Nagib Baki & Sons                  | +961 - 1 - 36 52 62                 |
| RM  | Madagascar  | Tananarive                    | Société Ameca                      | +261 - 20 - 2 22 30 16              |
| RMM | Mali        | Bamako                        | Dupé S.A.                          | +223 - 2 21 52 30                   |
| RO  | Romania     | 012051 Bucharest              | Fland Gruppe srl.                  | +40 - 21 - 3 36 11 30/ -50          |
| ROK | Korea       | 150-972 Seoul-Youngdeungpo-Gu | U-YOUNG INDUSTRIAL CO.LTD.         | +82 2 549 0611                      |
| ROU | Uruguay     | 12900 Montevideo              | Bromberg y Cia. S.A.               | +598 - 2 - 3 55 77 70               |
| RP  | Philippines | Quezon City                   | M & W Distributing Co. Inc.        | +63 - 2 - 3 71 19 36                |
| RS  | Serbia      | 11120 Beograd                 | IWE d.o.o.                         | +381 - 11 2 76 65 65                |
| RT  | Togo        | 94099 RUHSTORF                | MOTORENFABRIK HATZ GMBH & CO.KG    | +49 8531 319 425                    |
| RU  | Burundi     | Bujumbura                     | Metalubia                          | +257 - 22 - 23 30                   |
| RUS | Russia      | 129336 Moscow                 | Stend Ltd.                         | +7 - 495 - 4 74 60 31               |
| RUS | Russia      | 193315 Sankt-Petersburg       | MKSM-Servis Spb                    | +7 - 812 - 309 03 80                |
| RUS | Russia      | 346405 Nowotscherkassk        | AUTOENERGIESYSTEME                 | +7 - 8635 - 23 42 91                |
| RUS | Russia      | 390028 Ryazan                 | PromDizel Limited Corp.            | +7 - 4912 - 33 24 45                |
| RUS | Russia      | 414000 Astrakhan              | AstraDieselService                 | +7 (8512) 40-88-99                  |
| RUS | Russia      | 628404 Surgut                 | MKSM - Servis Surgut               | +7 - 3462 - 67 33 06                |
| RUS | Russia      | 640007 Kurgan                 | Ural-Hatz-Diesel                   | +7 - 3522 - 54 54 50                |
| S   | Sweden      | 13650 Haninge                 | Swedmotor AB                       | +46 - 8 - 50 01 21 40               |
| S   | Sweden      | 17239 Sundbyberg              | Dixner & Co AB                     | +46 - 8 - 29 12 03                  |
| S   | Sweden      | 21376 Malmö                   | Elektro-Diesel Autoservice AB      | +46 - 40 - 21 03 65                 |
| S   | Sweden      | 23236 Ärlöv                   | MT Service AB                      | +46 - 40 - 43 73 65                 |
| S   | Sweden      | 34013 Hamneda                 | Sjödahls Repservice                | +46 - 372 - 5 40 76                 |
| S   | Sweden      | 58112 Linköping               | Branzells elektro-diesel ab        | +46 - 13 - 31 09 00                 |
| S   | Sweden      | 59892 Vimmerby                | Mek & Maskin                       | +46 - 496 - 4 02 40                 |
| S   | Sweden      | 63346 Eskilstuna              | Larssons Motor AB                  | +46 - 16 - 13 60 04                 |
| S   | Sweden      | 65110 Karlstad                | Branzells elektro-diesel ab        | +46 - 54 - 85 29 00                 |
| S   | Sweden      | 65111 Karlstad                | Värm-dal Maskin AB                 | +46 - 54 - 13 77 00                 |
| S   | Sweden      | 67141 Arvika                  | Arvika Bil El                      | +46 - 570 - 71 15 90                |
| S   | Sweden      | 67222 Årjäng                  | Myrvolds Maskin                    | +46 - 573 - 1 30 52                 |
| S   | Sweden      | 70140 Örebro                  | Branzells elektro-diesel ab        | +46 - 19 - 27 40 00                 |
| S   | Sweden      | 72137 Västerås                | Branzells elektro-diesel ab        | +46 - 21 - 81 03 10                 |
| S   | Sweden      | 83148 Östersund               | Siljeströms Motorrenovering AB     | +46 - 63 - 10 60 70                 |
| S   | Sweden      | 85751 Sundsvall               | LHS Maskiner                       | +46 - 60 - 57 72 20                 |
| S   | Sweden      | 89495 Moliden                 | Flärke Kojerservice AB             | +46 - 660 - 9 11 42                 |
| S   | Sweden      | 90586 Umeå                    | Larsson Maskin AB                  | +46 - 90 - 14 73 30                 |
| S   | Sweden      | 93621 Boliden                 | BPA Industriteknik AB              | +46 - 910 - 77 42 15                |
| S   | Sweden      | 98138 Kiruna                  | Truck & Maskin AB Kiruna           | +46 - 980 - 1 50 20                 |
| S   | Sweden      | 98222 Gällivare               | Holmgrens Truck & Motor            | +46 - 970 - 1 45 40                 |
| SGP | Singapore   | 768441 Singapore              | EquipSource Pte Ltd                | +65 - 67 59 22 96                   |
| SK  | Slavakia    | 91501 Nové Mesto n. Váhom     | RAMIRENT spol. s r.o.              | +421 - 032 - 77 15 49 7             |
| SLO | Slovenia    | 2000 Maribor                  | VZDRZEVANJE NEJC, D.O.O.           | +386 - 2 - 420 11 98                |
| SME | Suriname    | 94099 Ruhstorf                | Motorenfabrik Hatz GMBH & CO. KG   | +49 (0)8531 319 373                 |
| SN  | Senegal     | Dakar                         | MATFORCE                           | +221 - 33 - 839 95 00               |
| SYR | Syria       | - Damascus                    | Electromechanical Equipment        | +963 - 11 - 2 21 39 55 / 2 21 56 78 |
| TAH | Tahiti      | 98701 Arue                    | Ets. Dieumegard                    | +689 - 6 89 42 32 38                |
| THA | Thailand    | 10120 Bangkok                 | General Diesel (Thailand) Co. Ltd. | +662 - 2 94 08 75 - 6, 2 84 08 28   |

|     |                   |                               |                                            |                                    |
|-----|-------------------|-------------------------------|--------------------------------------------|------------------------------------|
| TN  | Tunesia           | 1001 Tunis                    | S.I.A Ben Djemaa & Cie                     | +216 - 71 24 25 66                 |
| TN  | Tunesia           | 3000 Sfax                     | S.I.A Ben Djemaa & Cie                     | +216 - 74 40 84 09                 |
| TR  | Turkey            | 34852 Maltepe Istanbul Turkey | Efes Makina Sanayi ve dis Ticaret Ltd. STI | +90 - 216 - 3 67 35 75             |
| TT  | Trinidad and Tob. | San Fernando                  | Electrodiesel & Co. Ltd.                   | +1 - 868 - 652 - 37 10             |
| UA  | Ukraine           | 03313 Kiev                    | ERA - Engineering Remake Aggregate         | +380 - 44 - 5 99 16 44             |
| UAE | United Arab. Em.  | Dubai                         | INMA                                       | +971 - 4 - 2 85 72 72              |
| USA | United States     | WI 53187-0258 Waukesha        | HATZ Diesel of America, Inc.               | +1 - 262-544-0254                  |
| UZB | Uzbekistan        | 100011 Tashkent               | Kartash Profservice                        | +998 - 7 11 203090                 |
| VN  | Vietnam           | 768441 Singapore              | Please contact our agent in Singapore      | +65 - 67 59 22 96                  |
| WAL | Sierra Leone      | Freetown                      | cerra automotive                           | +232 - 77 - 23 21 72               |
| WAN | Nigeria           | - Lagos                       | A1 Multi Services Limited                  | +234 - 1 - 7 21 67 21              |
| YAR | Rep. of Yemen     | Sana'a                        | Al Mahtadi & Abo-Miskah Co. Ltd.           | +967 - 1 - 22 47 66, 22 25 29      |
| YV  | Venezuela         | Caracas                       | Maquinarias Larmaq, C.A.                   | +58- 212 - 9 44 16 31 / 9 44 56 29 |
| ZA  | South Africa      | Bloemfontein                  | CPR Maintenance CC                         | +27 - (0)51 - 4 47 96 18           |
| ZA  | South Africa      | Capetown                      | Compaction & Industrial Equipment C.C.     | +27 - (0)21 - 9 49 77 67           |
| ZA  | South Africa      | Edenvale                      | Hatz Diesel (S.A.) Pty. Ltd.               | +27 - 11 - 5 74 09 00              |
| ZA  | South Africa      | Port Elizabeth                | S & K Diesels cc                           | +27 - 41 - 5 83 37 80              |
| ZW  | Zimbabwe          | Harare                        | R & S Diesel Pro Services (PVT) Ltd.       | +263 - 4 44 78 69 / 90 / 99        |

Serial-code modification list  
Serien-Nr.-Änderungen  
Modification des Nos de series  
Modificación de los Nos de serie  
Modifica dei codici

| IMT-No.             | IMT-No.             |
|---------------------|---------------------|
| 1B20.10 →.11 97.566 | 1B27.10 →.11 09.685 |
| 1B20.11 →.12 97.567 | 1B27.11 →.12 13.709 |
| 1B20.12 →.13 97.568 | 1B27.12 →.13 13.712 |
| 1B20.13 →.14 97.569 |                     |
| 1B20.14 →.15 98.573 |                     |
| 1B20.15 →.16 98.574 |                     |
| 1B20.16 →.17 98.575 | 1B30.10 →.11 98.573 |
| 1B20.17 →.18 98.576 | 1B30.11 →.12 98.575 |
| 1B20.18 →.19 98.577 | 1B30.12 →.13 98.576 |
| 1B20.19 →.20 98.580 | 1B30.13 →.14 98.577 |
| 1B20.20 →.21 99.588 | 1B30.14 →.15 98.580 |
| 1B20.21 →.22 00.590 | 1B30.15 →.16 99.585 |
| 1B20.22 →.23 00.594 | 1B30.16 →.17 99.586 |
| 1B20.23 →.24 00.598 | 1B30.17 →.18 99.589 |
| 1B20.24 →.25 00.601 | 1B30.18 →.19 00.598 |
| 1B20.25 →.26 01.613 | 1B30.19 →.20 00.606 |
| 1B20.26 →.27 02.617 | 1B30.20 →.21 00.607 |
| 1B20.27 →.28 02.619 | 1B30.21 →.22 01.613 |
| 1B20.28 →.29 05.641 | 1B30.22 →.23 02.617 |
| 1B20.29 →.30 05.650 | 1B30.23 →.24 05.641 |
| 1B20.30 →.31 07.667 | 1B30.24 →.25 05.651 |
| 1B20.31 →.32 09.684 | 1B30.25 →.26 09.683 |
| 1B20.32 →.33 13.709 | 1B30.26 →.27 10.690 |
| 1B20.33 →.34 13.712 | 1B30.27 →.28 13.709 |
|                     | 1B30.28 →.29 13.712 |

1B20R.10→.11 09.684  
1B20R.11→.12 13.709  
1B20R.12→.13 13.712