

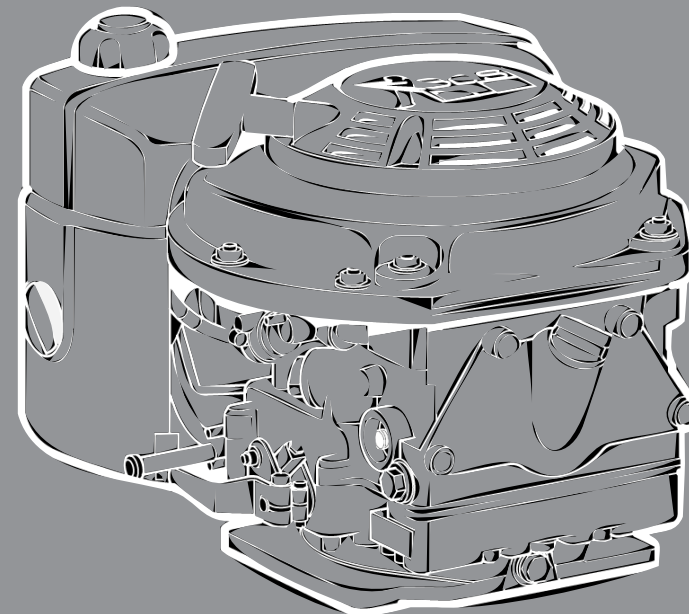
**Motorenfabrik Hatz GmbH & Co. KG**

Ernst-Hatz-Str. 16  
94099 Ruhstorf a.d. Rott  
Deutschland  
Tel. +49 8531 319-0  
Fax +49 8531 319-418  
marketing@hatz-diesel.de  
www.hatz-diesel.com

CREATING POWER SOLUTIONS.



1B40V.19  
1B50V.16



1B40V/W. | 1B50V/W.

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

**Hatz Service**

0000 434 840 79 - 34 - 03.2014- 0.1

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.                                                                                                                                                                                                                                                                             |         | Liter / PV          |  |
| ②                                                                                                                                                                                                                                                                                      |         |                     |  |
| MIN <sup>-1</sup>                                                                                                                                                                                                                                                                      | NH / kW | BUILD DATE          |  |
| ③                                                                                                                                                                                                                                                                                      |         |                     |  |
| This engine conforms to <input type="checkbox"/> U.S. EPA regulations large nominal compression-ignition engines and <input type="checkbox"/> California regulation for off-road compression-ignition engines. Refer to Owner's manual for maintenance specifications and adjustments. |         |                     |  |
| EC-TYPE NO.                                                                                                                                                                                                                                                                            |         |                     |  |
| CONSTANT-SPEED ONLY <input type="checkbox"/> VARIABLE SPEED <input type="checkbox"/>                                                                                                                                                                                                   |         |                     |  |

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 40V/W.19 EPA IV □ (117 19 .. .....)**  
**1 B 50V/W.16 EPA IV □ (126 16 .. .....)**

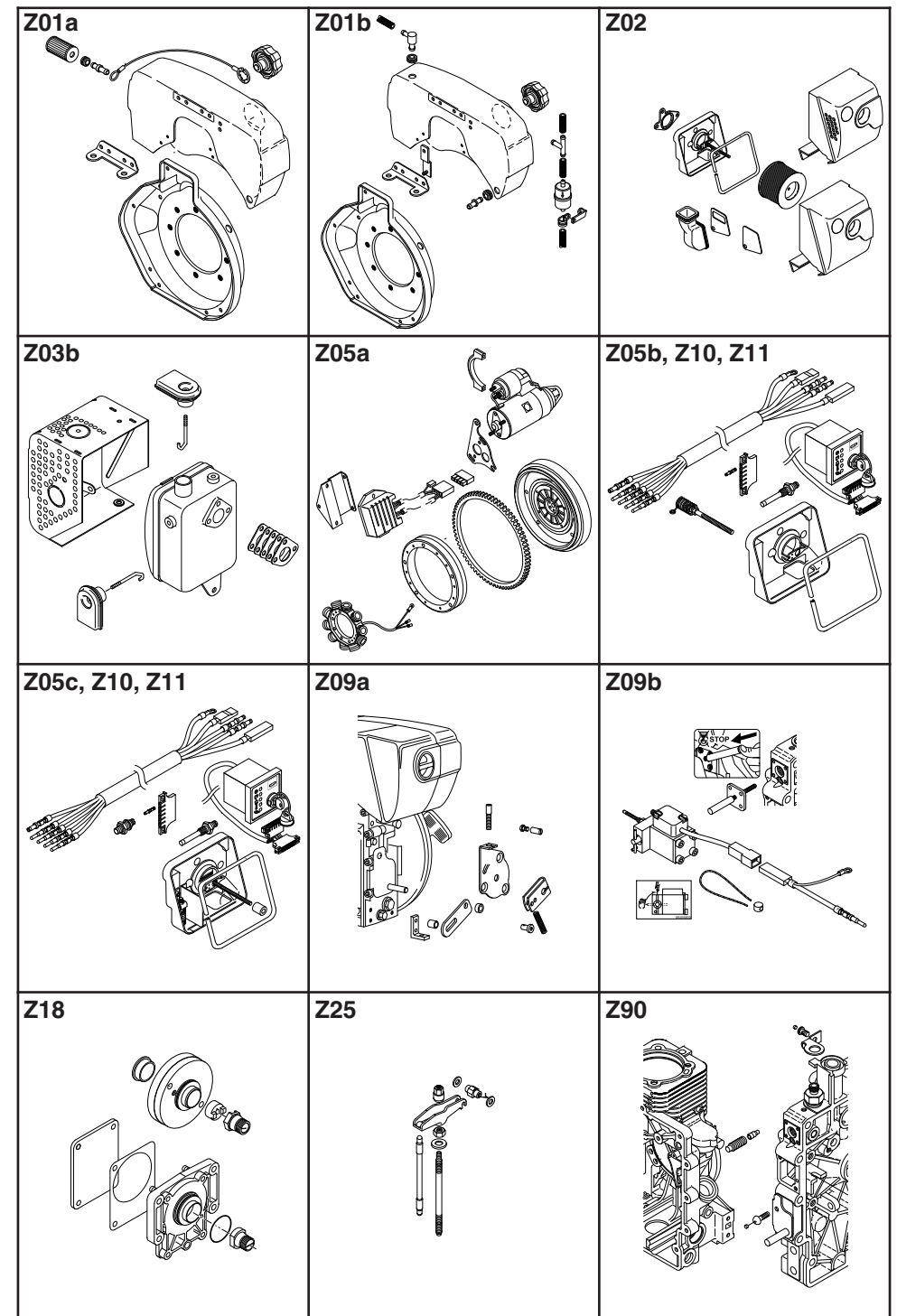
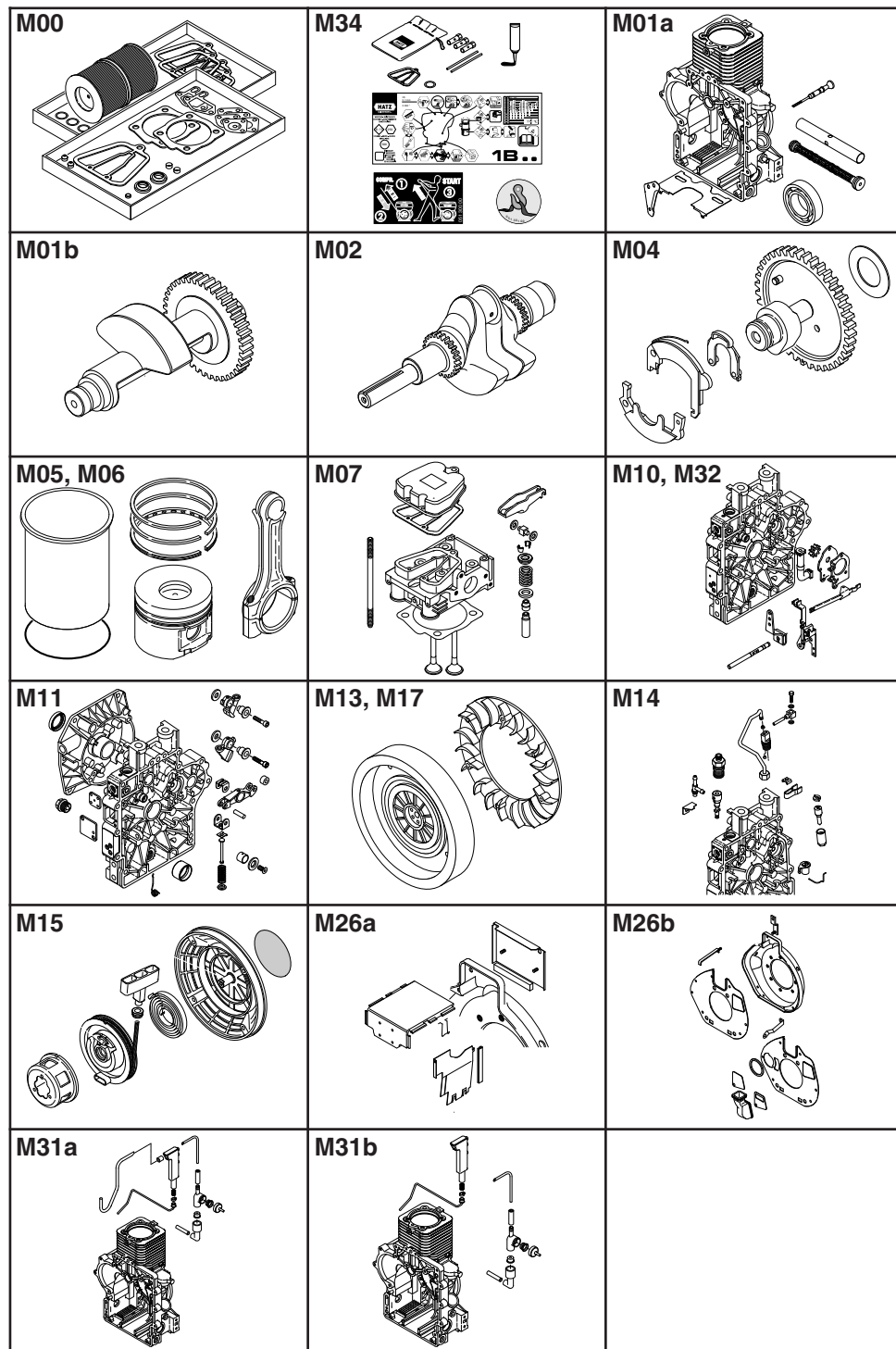
Beispiel: / Example: / Exemple: / Ejemplo: / Esempio: **117 19 14 123456**

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

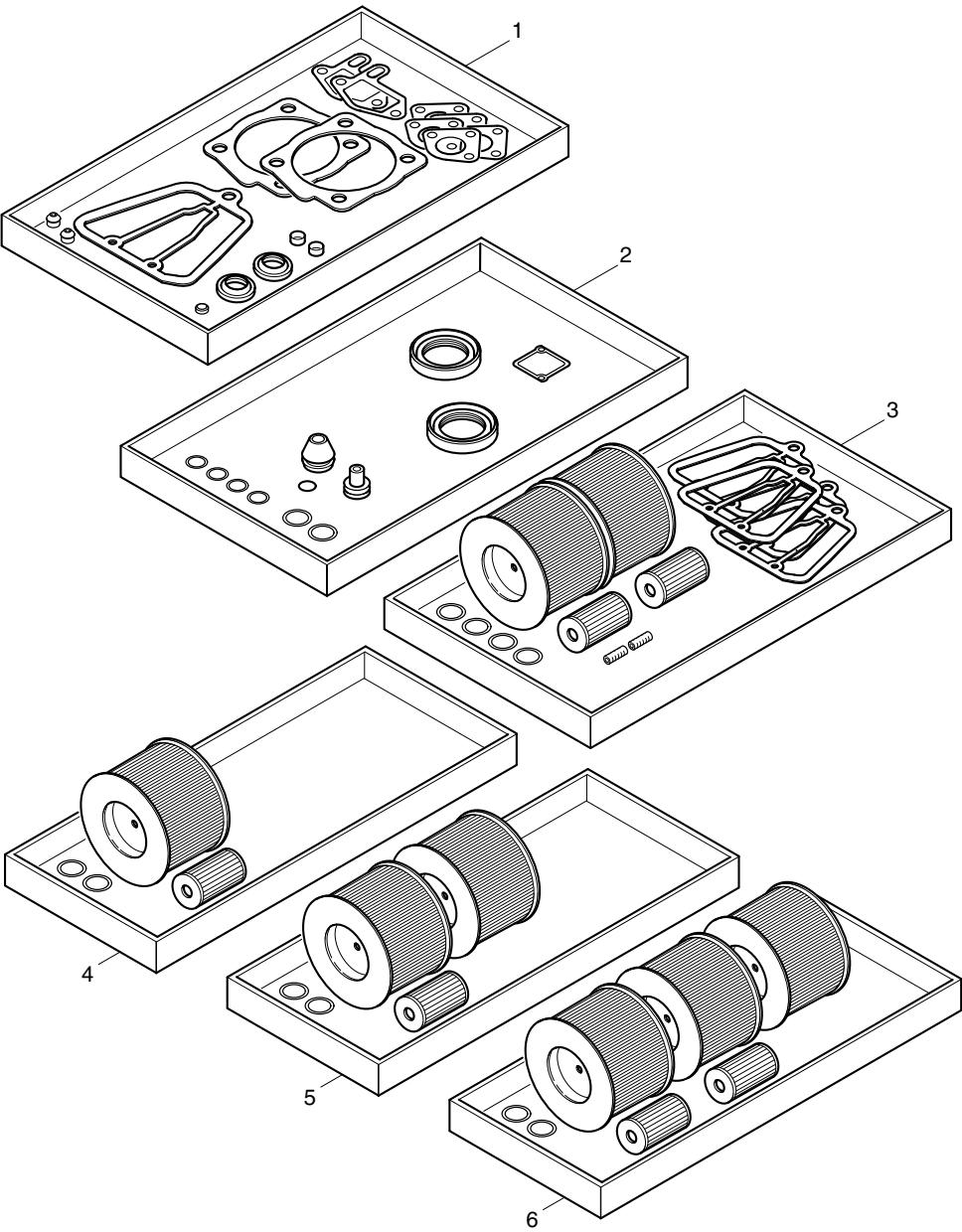
Lassen Sie Service-Arbeiten immer von qualifiziertem Fachpersonal durchführen. Wir empfehlen Ihnen hierfür eine von über 500 **HATZ-Servicestationen**. Dort wird Ihr Motor von laufend geschultem Personal, mit **Original HATZ-Ersatzteilen** und mit **HATZ-Werkzeug** instandgesetzt.  
Der Einbau von ungeeigneten 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.

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.

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.

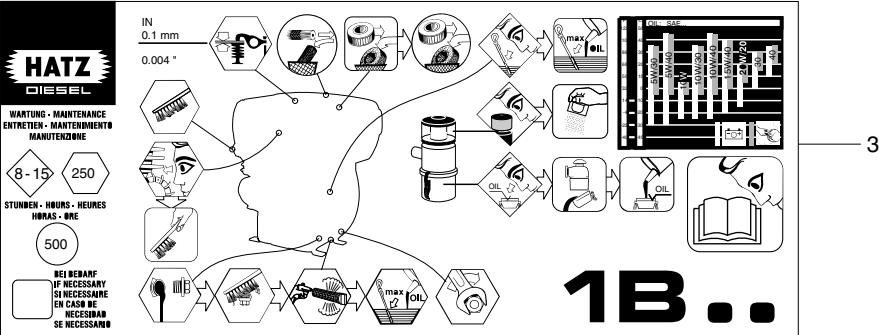
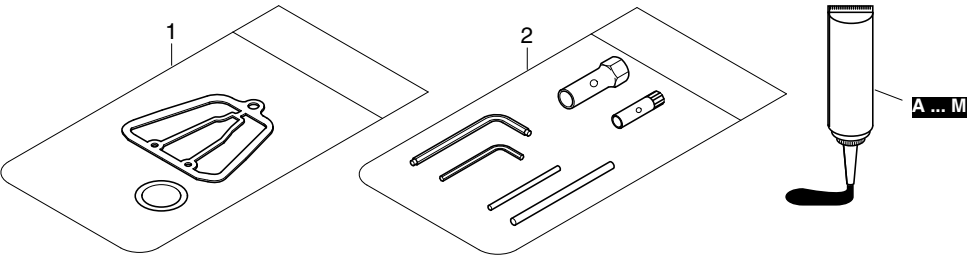


Spare parts kits  
Ersatzteilsätze  
Jeux de pièces de rechange  
Juegos de piezas de recambios  
Serie guarnizioni



| Fig.-<br>No.                                                                                                                                                                                                                       | HATZ<br>Ident-No. | Stück<br>Qty.     | W<br>d / D        | Bemerkungen<br>Notes                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                    |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |                                                                                                                                                                            |
| W: Im Wartungssatz enthalten.<br>Incl. in maintenance kit.<br>Contenu dans le jeu d'entretien.<br>Incluido en el juego de mantenimiento.<br>Contenuto nella serie manutenzione.                                                    |                   |                   |                   |                                                                                                                                                                            |
| D: Im Dichtungssatz Kurbelgeh.<br>Incl. in gasket set crankcase.<br>Contenu dans le jeu de joints<br>carter moteur.<br>Incluido en el juego de juntas<br>caja cigueñal.<br>Contenuto nella serie guarnizioni<br>basamento.         |                   |                   |                   |                                                                                                                                                                            |
| d: Im Dichtungssatz f. 1 Zyl.-Kopf enthalten.<br>Incl. in gasket set f. 1 cyl. head.<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 016 792 03   | 1                 | -                 | Dichtungssatz für 1 Zylinderkopf<br>Gasket set for 1 cyl. head<br>Jeu de joint p. 1 culasse<br>Juego de juntas para 1 culata<br>Serie guarnizioni per 1 testa              |
| 1                                                                                                                                                                                                                                  | 0000 019 400 02   | -                 | 1                 |                                                                                                                                                                            |
| 2                                                                                                                                                                                                                                  | 0000 017 103 02   | 1                 | 1                 | Dichtungssatz für Kurbelgehäuse<br>Gasket set for crankcase<br>Jeu de joints p. carter moteur<br>Juego de juntas para caja<br>cigueñal<br>Serie guarnizioni basamento      |
| 3                                                                                                                                                                                                                                  | 0000 017 104 00   | 1                 | 1                 | Wartungssatz für 1000 h<br>1000 hours maintenance kit<br>Kit d'entretien 1000 heures -<br>Juego de piezas para servicio<br>1C 1000 horas<br>Kit di manutenzione a 1000 ore |
| 4                                                                                                                                                                                                                                  | 0000 022 656 00   | 1                 | 1                 | Filterprogramm<br>Filter program<br>Progr. de filtr.<br>Progr. de filtros<br>Programma di filtro                                                                           |
| 5                                                                                                                                                                                                                                  | 0000 022 682 00   | 1                 | 1                 |                                                                                                                                                                            |
| 6                                                                                                                                                                                                                                  | 0000 022 693 00   | 1                 | 1                 |                                                                                                                                                                            |

Accessories  
Zubehör  
Accessoires  
Accessorios  
Kit accessori

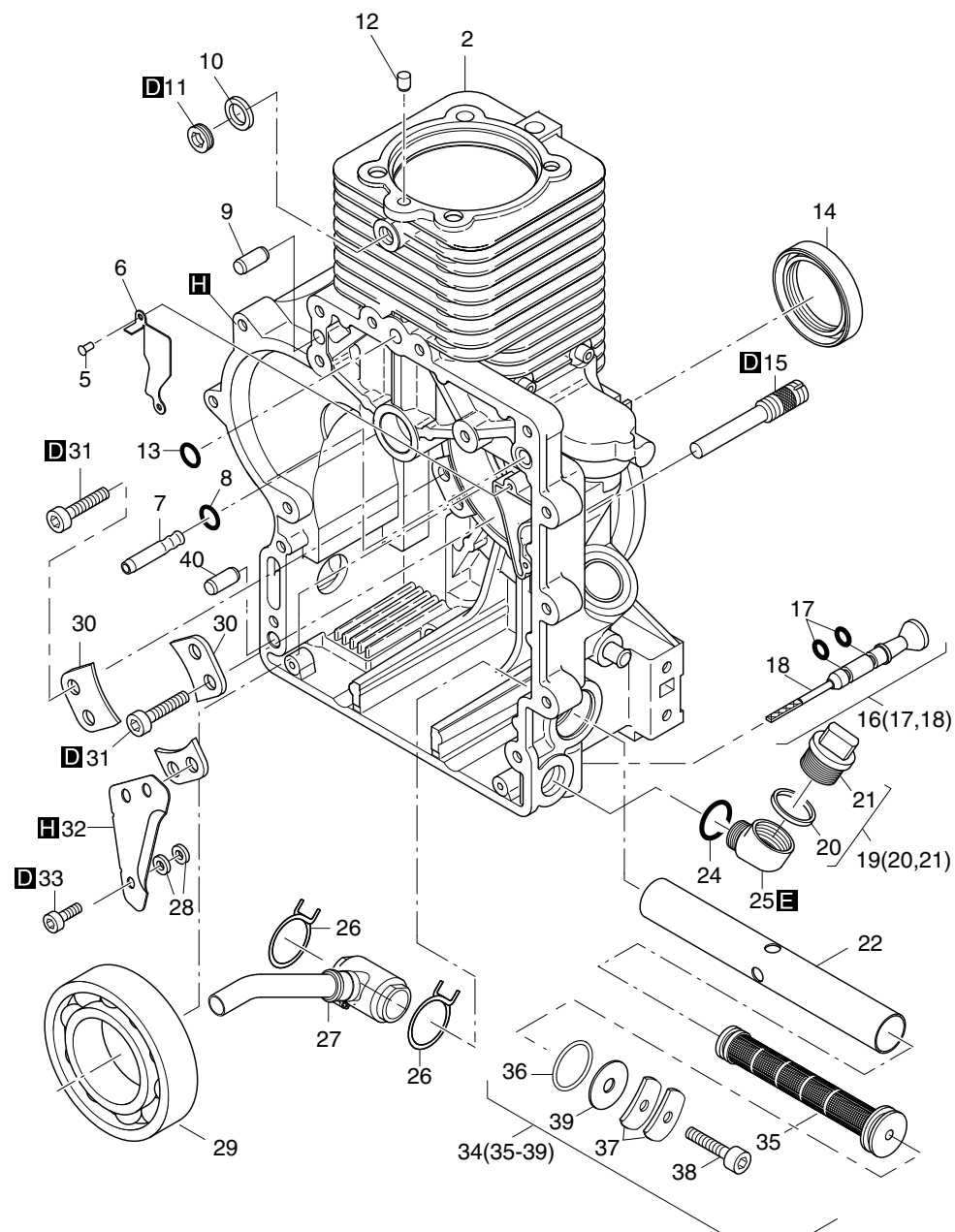


| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes                                                   |
|--------------|-------------------|-------------------|-------------------|------------|------------------------------------------------------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                                                                        |
| 1            | 0000 013 297 01   | 1                 | 1                 |            | Zubehörsatz - Accessoires kit<br>Werkzeugsatz - Tool set<br>160 x 67mm |
| 2            | 0000 013 309 01   | 1                 | 1                 |            |                                                                        |
| 3            | 0000 051 104 05   | 1                 | 1                 |            |                                                                        |
| 4            | 0000 051 300 02   | 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   | suivant les remarques sur les<br>tableau correspondant                                 |  |
| F = 0000 502 238 00                                                               | Technicoll 8058     | 0,75 kg |                                                                                        |  |
| + 0000 502 239 00                                                                 | Technicoll 8367     | 0,75 kg | según las indicaciones de las<br>tablas correspondientes                               |  |
| G = 0000 502 565 01                                                               | Loctite IS 407      | 20 g    |                                                                                        |  |
| H = 0000 700 189 44                                                               | Silicon             | 310 ml  | seguire le indicazioni sul<br>quadro corrispondente                                    |  |
| J = 0000 502 830 04                                                               | Hochtemp. Paste     | 100 ml  |                                                                                        |  |
| K = 0000 503 426 01                                                               | Hochtemp. Fett      | 400 g   |                                                                                        |  |
| L = 0000 502 566 00                                                               | Silicon sealer      | 100 g   |                                                                                        |  |
| M = 0000 504 851 00                                                               | Schleifpaste        | 80 g    |                                                                                        |  |

# M01a

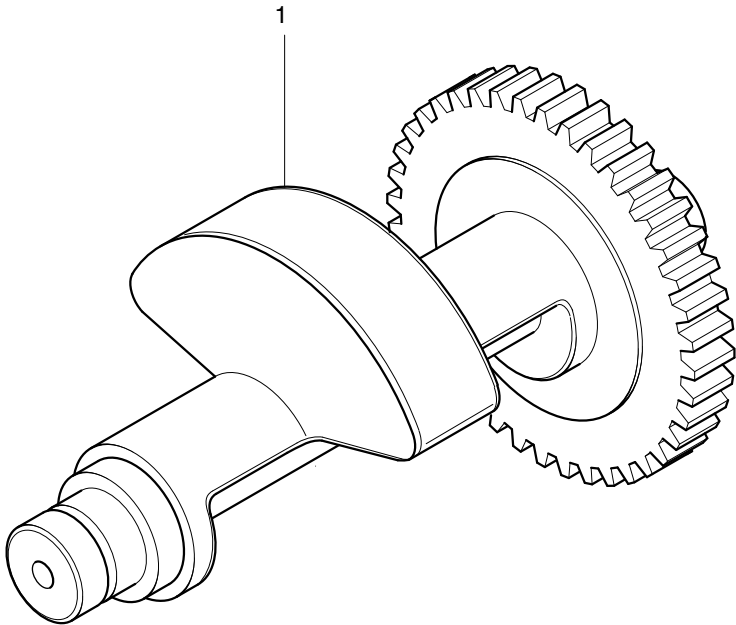
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes          |
|--------------|-------------------|-------------------|-------------------|------------|-------------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                               |
| 2            | -----             | -                 | -                 |            |                               |
| 5            | 0000 400 026 00   | 2                 | 2                 |            | 3,2                           |
| 6            | 0000 042 189 00   | 1                 | 1                 |            |                               |
| 7            | 0000 050 843 00   | 1                 | 1                 |            |                               |
| 8            | 0000 504 403 00   | 1                 | 1                 |            | D1 8 x 1,5                    |
| 9            | 0000 502 491 02   | 1                 | 1                 |            | 8 M 6 x 20 2-Fasen            |
| 10           | 0000 500 624 00   | 1                 | 1                 |            | A 10 x 13,5 DIN 7603-Cu       |
| 11           | 0000 500 623 00   | 1                 | 1                 |            | M 10 x 1 DIN 908-5.8 A3C      |
| 12           | -----             | -                 | -                 |            |                               |
| 13           | 0000 400 223 00   | 1                 | 1                 |            | D1 8 x 2                      |
| 14           | 0000 504 790 00   | 1                 | 1                 |            | D1 45 x 60 x 8                |
| 15           | 0000 041 444 01   | 1                 | 1                 |            |                               |
| 16           | 0000 013 505 02   | 1                 | 1                 |            |                               |
| 17           | 0000 400 220 00   | 2                 | 2                 |            | D2 5 x 2                      |
| 18           | -----             | -                 | -                 |            |                               |
| 19           | 0000 016 131 00   | 1                 | 1                 |            |                               |
| 20           | 0000 041 250 00   | 1                 | 1                 |            | D1 26 x 35 x3                 |
| 21           | -----             | -                 | -                 |            |                               |
| 22           | 0000 041 415 00   | 1                 | 1                 |            |                               |
| 24           | 0000 504 759 01   | 1                 | 1                 |            | D1 20 x 4                     |
| 25           | 0000 041 637 00   | 1                 | 1                 |            |                               |
| 26           | 0000 050 369 00   | 2                 | 2                 |            |                               |
| 27           | 0000 013 641 00   | 1                 | 1                 |            |                               |
| 28           | 0000 502 163 00   | 2                 | 2                 |            | 5,3 DIN 125-St A3C            |
| 29           | 0000 504 789 00   | 1                 | 1                 |            | 6310 C4 DIN 625               |
| 30           | 0000 041 338 00   | 3                 | 3                 |            |                               |
| 31           | 0000 505 642 00   | 6                 | 6                 |            | M6x18 DIN 6912 - 8.8 PRE 80-8 |
| 32           | 0000 041 994 00   | 1                 | 1                 |            |                               |
| 33           | 0000 502 745 00   | 1                 | 1                 |            | M 5 x 12 DIN 912-8.8A3C       |
| 34           | 0000 015 427 04   | 1                 | 1                 |            |                               |
| 35           | -----             | -                 | -                 |            |                               |
| 36           | 0000 504 759 01   | 1                 | 1                 |            | D1 20 x 4                     |
| 37           | 0000 051 482 00   | 2                 | 2                 |            |                               |
| 38           | 0000 501 707 00   | 1                 | 1                 |            | M 6 x 16 DIN 912-8.8A3C       |
| 39           | 0000 040 420 00   | 1                 | 1                 |            | 6,5 x 22,5 x 1                |
| 40           | 0000 506 467 00   | 1                 | 1                 |            |                               |

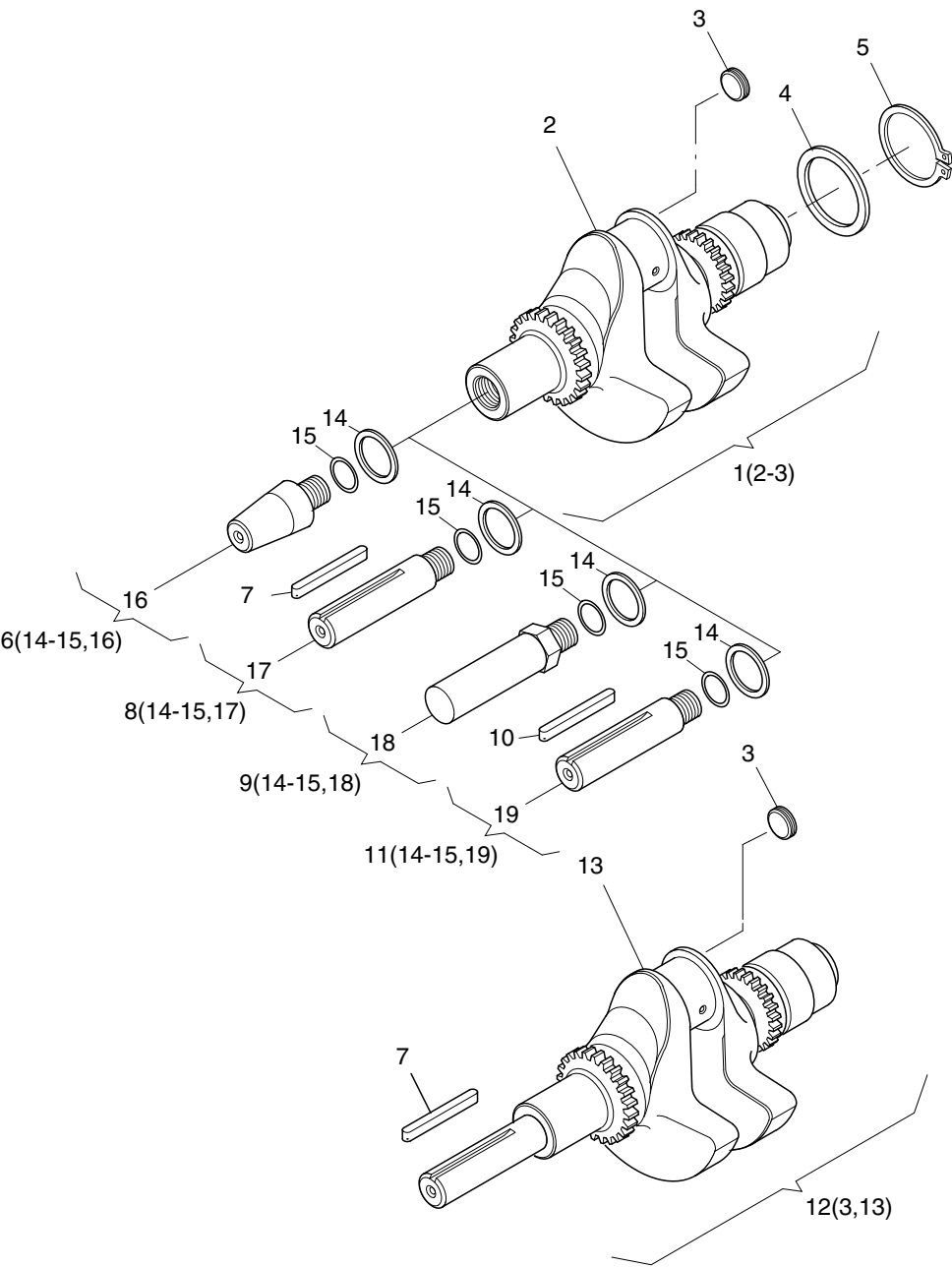
M01b

Compensation of masses  
Massenausgleich  
Equilibrage des masses  
Compensación de las masas  
Masse controrotanti



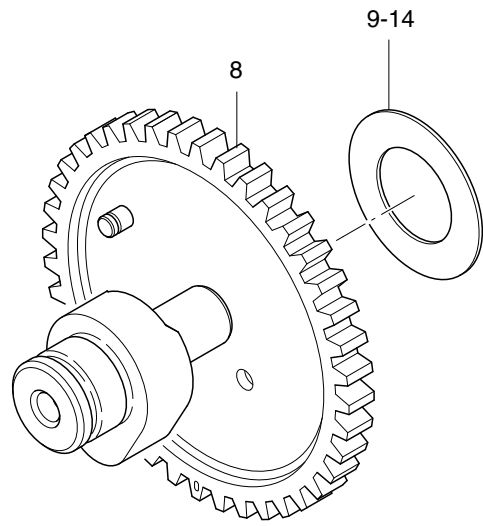
| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.   |                 | W<br>d / D | Bemerkungen<br>Notes |
|--------------|-------------------|-----------------|-----------------|------------|----------------------|
|              |                   | 1B40W<br>EPA IV | 1B50W<br>EPA IV |            |                      |
| 1            | 0000 013 492 01   | 1               | 1               |            |                      |

Crankshaft  
Kurbelwelle  
Vilebrequin  
Cigueñal  
Albero a gomito



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes      |
|--------------|-------------------|-------------------|-------------------|------------|---------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                           |
| 1            | 0000 013 702 10   | 1                 | 1                 |            | V/W                       |
| 2            | -----             | -                 | -                 |            |                           |
| 3            | 0000 505 297 00   | 1                 | 1                 |            | 14 DIN 443 St             |
| 4            | 0000 504 814 00   | 1                 | 1                 |            | 50 x 62 x 3,0             |
| 5            | 0000 500 218 00   | 1                 | 1                 |            | A 50 x 2 DIN 471          |
| 6            | 0000 013 246 02   | 1                 | -                 |            | Nr. 6 ital. 23 keg., con. |
| 7            | 0000 051 416 00   | 1                 | 1                 |            | A 6,35 x 61               |
| 8            | 0000 015 807 04   | 1                 | -                 |            | Nr. 2 - ø 1" zyl., cil.   |
| 9            | 0000 015 540 02   | 1                 | -                 |            | SW 27 mm, ø 26,8 mm       |
| 10           | 0000 504 634 00   | 1                 | -                 |            | A 5 x 5 x 36 DIN 6885     |
| 11           | 0000 013 491 02   | 1                 | -                 |            | ø 22,2 zyl., cil.         |
| 12           | 0000 017 817 10   | 1                 | 1                 |            |                           |
| 13           | -----             | -                 | -                 |            |                           |
| 14           | 0000 052 943 00   | 1                 | -                 |            | 23,3 x 30 x 1,75          |
| 15           | 0000 506 081 00   | 1                 | -                 |            | 18 x 1,5                  |
| 16           | -----             | -                 | -                 |            |                           |
| 17           | -----             | -                 | -                 |            |                           |
| 18           | -----             | -                 | -                 |            |                           |
| 19           | -----             | -                 | -                 |            |                           |

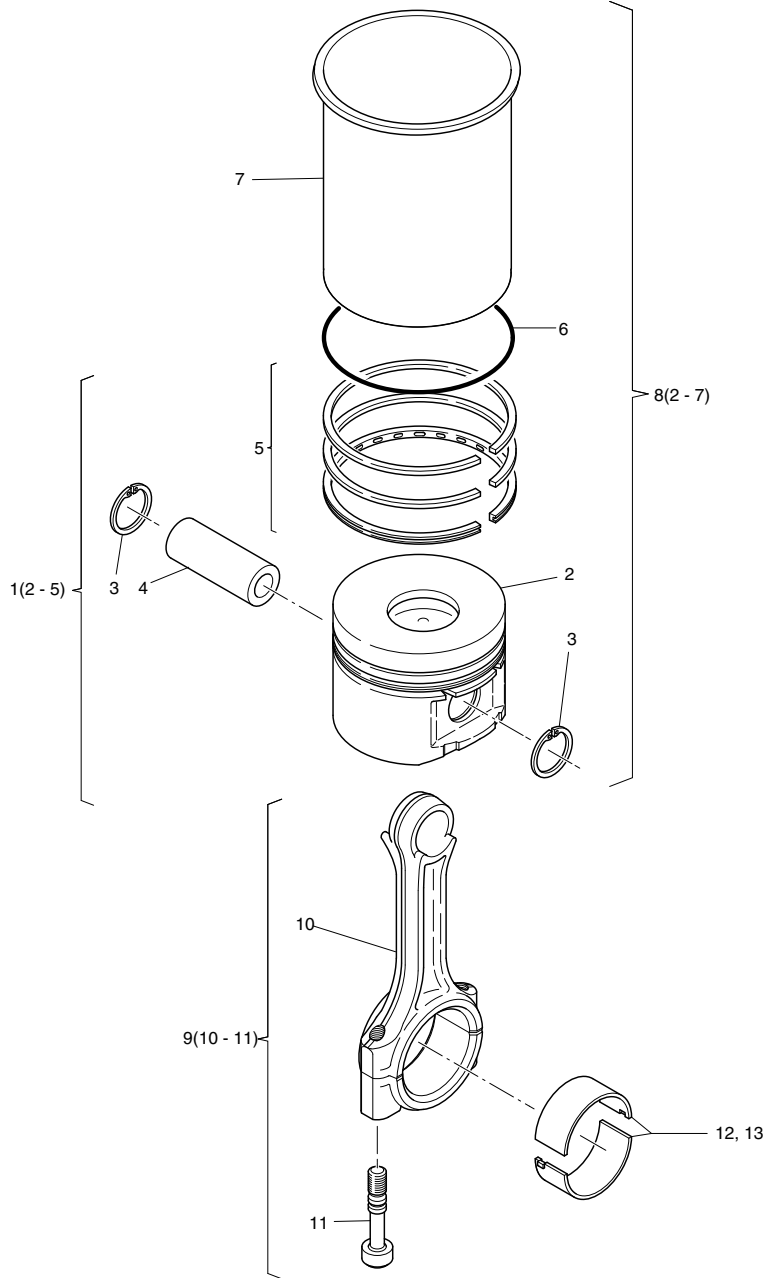
Camshaft  
Nockenwelle  
Arbre à cames  
Arbol de levas  
Albero a camme



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes |
|--------------|------------------------|-------------------|-------------------|------------|----------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                      |
| 8            | 0000 <b>017 225 10</b> | 1                 | 1                 |            |                      |
| 9            | 0000 <b>041 217 00</b> | 0... 1            | 0... 1            |            | 0,9 mm 23 x 38 x 0,9 |
| 10           | 0000 <b>041 121 00</b> | 0... 1            | 0... 1            |            | 1,0 mm 23 x 38 x 1,0 |
| 11           | 0000 <b>041 122 00</b> | 0... 1            | 0... 1            |            | 1,1 mm 23 x 38 x 1,1 |
| 12           | 0000 <b>041 123 00</b> | 0... 1            | 0... 1            |            | 1,2 mm 23 x 38 x 1,2 |
| 13           | 0000 <b>041 251 00</b> | 0... 1            | 0... 1            |            | 1,3 mm 23 x 38 x 1,3 |
| 14           | 0000 <b>041 252 00</b> | 0... 1            | 0... 1            |            | 1,4 mm 23 x 38 x 1,4 |

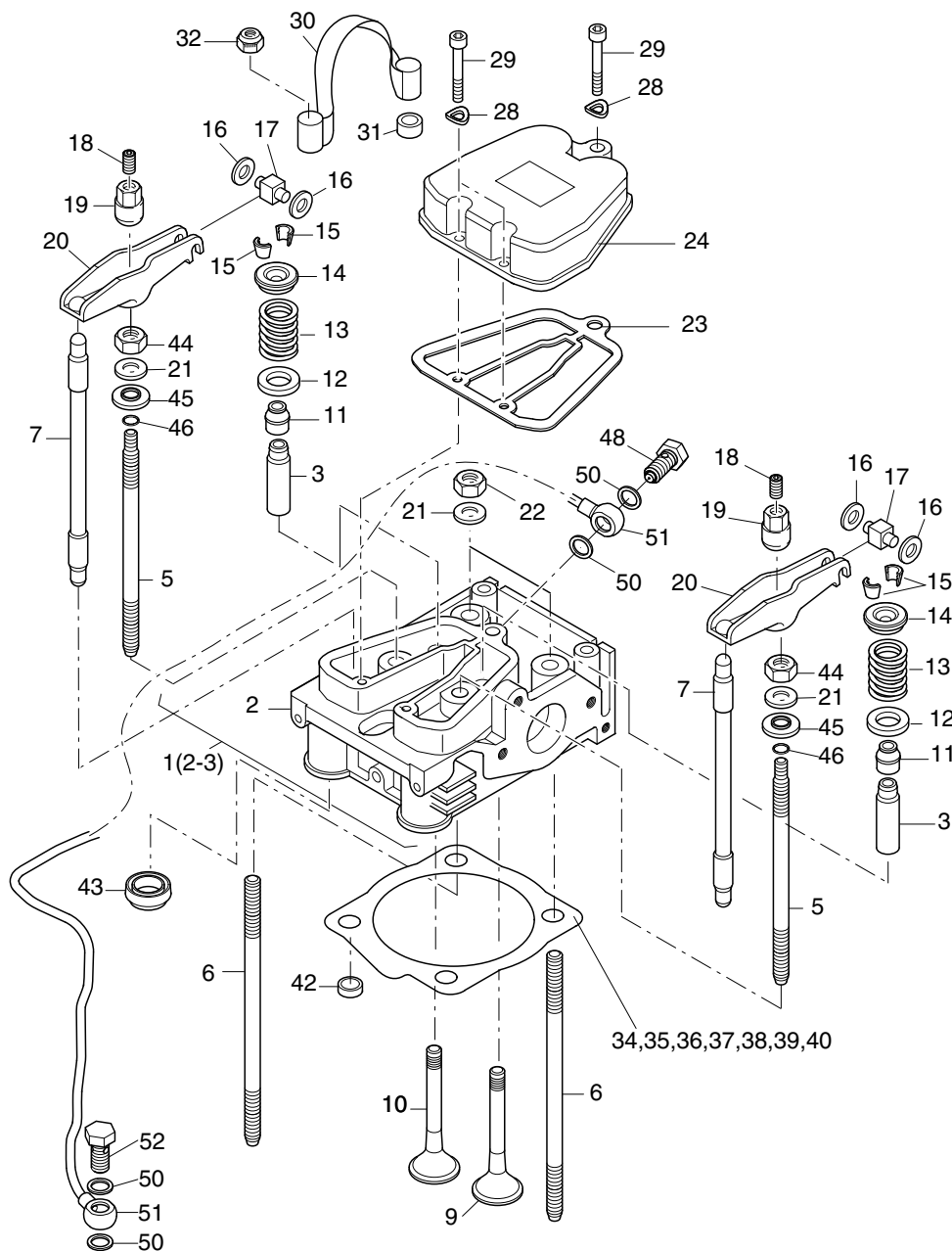
M05, M06

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



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes |
|--------------|------------------------|-------------------|-------------------|------------|----------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                      |
| 1            | 0000 <b>013 748 10</b> | 1                 | -                 |            | 88 mm                |
| 1            | 0000 <b>013 843 20</b> | -                 | 1                 |            | 93 mm                |
| 2            | -----                  | -                 | -                 |            |                      |
| 3            | 0000 <b>504 823 00</b> | 2                 | 2                 |            | 22 x 1 DIN 472       |
| 4            | 0000 <b>505 271 00</b> | 1                 | -                 |            | 22 x 13 x 58         |
| 4            | 0000 <b>505 664 00</b> | -                 | 1                 |            | 22 x 13 x 60         |
| 5            | 0000 <b>013 747 01</b> | 1                 | -                 |            | 88 mm                |
| 5            | 0000 <b>013 844 10</b> | -                 | 1                 |            | 93 mm                |
| 6            | 0000 <b>504 793 01</b> | 1                 | -                 |            | 93 x 1,5             |
| 7            | -----                  | -                 | -                 |            |                      |
| 8            | 0000 <b>016 796 10</b> | 1                 | -                 |            |                      |
| 9            | 0000 <b>013 435 20</b> | 1                 | 1                 |            |                      |
| 10           | -----                  | -                 | -                 |            |                      |
| 11           | 0000 <b>041 005 00</b> | 2                 | 2                 |            |                      |
| 12           | 0000 <b>016 798 00</b> | 1                 | 1                 |            |                      |
| 13           | 0000 <b>016 927 00</b> | 1                 | 1                 |            | - 0,5 mm             |

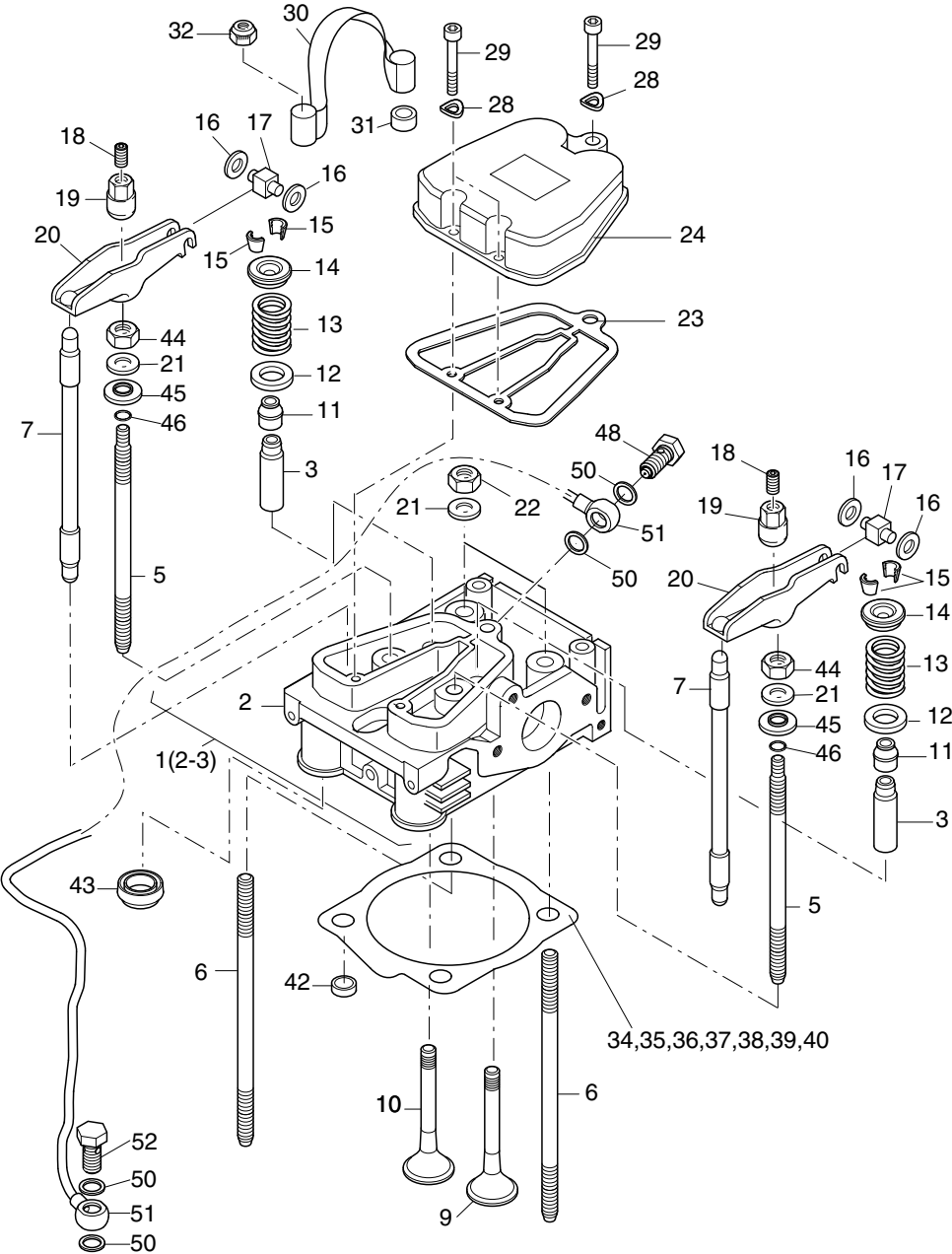
Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes    |
|--------------|-------------------|-------------------|-------------------|------------|-------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                         |
| 1            | 0000 020 413 00   | 1                 | 1                 |            |                         |
| 2            | -----             | -                 | -                 |            |                         |
| 3            | 0000 052 097 00   | 2                 | 2                 |            |                         |
| 5            | 0000 051 596 00   | 2                 | -                 |            | 149 (M 10 - M 8)        |
| 5            | 0000 042 530 10   | -                 | 2                 |            | 232 mm                  |
| 6            | 0000 051 597 00   | 2                 | -                 |            | 155 (M 10)              |
| 6            | 0000 042 531 10   | -                 | 2                 |            | 245 mm                  |
| 7            | 0000 013 740 00   | 2                 | 2                 |            |                         |
| 9            | 0000 051 451 00   | 1                 | 1                 |            |                         |
| 10           | 0000 051 452 00   | 1                 | 1                 |            |                         |
| 11           | 0000 506 310 00   | 2                 | 2                 | d2         |                         |
| 12           | 0000 041 471 00   | 2                 | 2                 |            |                         |
| 13           | 0000 041 469 00   | 2                 | 2                 |            |                         |
| 14           | 0000 041 470 00   | 2                 | 2                 |            |                         |
| 15           | 0000 022 525 00   | 2                 | 2                 |            |                         |
| 16           | 0000 052 407 00   | 0... 4            | 0... 4            |            | 6 x 12 x 1,35           |
| 16           | 0000 504 451 00   | 0... 4            | 0... 4            |            | 6 x 12 x 1,2 DIN 988    |
| 17           | 0000 050 911 01   | 2                 | 2                 |            |                         |
| 18           | 0000 505 131 00   | 2                 | 2                 |            |                         |
| 19           | 0000 050 547 00   | 2                 | 2                 |            | W2 M 8 x 10 DIN 916-45H |
| 20           | 0000 051 467 01   | 2                 | 2                 |            |                         |
| 21           | 0000 050 993 00   | 4                 | 4                 |            | 10,1 x 24 x 3           |
| 22           | 0000 503 966 00   | 2                 | 2                 |            | M 10 DIN 934-10 A3C     |
| 23           | 0000 051 564 01   | 1                 | 1                 | d1,W4      |                         |
| 24           | 0000 051 465 01   | 1                 | 1                 |            |                         |
| 28           | 0000 500 812 00   | 3                 | 3                 |            | A 6 DIN 137 - A3C       |
| 29           | 0000 503 749 00   | 3                 | 3                 |            | M 6 x 35 DIN 912-8.8A3C |
| 30           | 0000 041 177 01   | 1                 | 1                 |            |                         |
| 31           | 0000 041 261 00   | 2                 | 2                 |            | (10 x 12 x 9)           |
| 32           | 0000 400 286 00   | 2                 | 2                 |            | VM 10 DIN 980-8 C3A     |
| 34           | 0000 051 589 03   | 0... 1            | -                 |            | 0,4 mm                  |
| 34           | 0000 042 717 00   | -                 | 0... 1            |            | 0,4 mm                  |
| 34           | 0000 042 484 00   | 0... 1            | -                 |            | 0,45 mm                 |
| 34           | 0000 042 718 00   | -                 | 0... 1            |            | 0,45 mm                 |
| 35           | 0000 051 590 03   | 0... 1            | -                 | d1         | 0,5 mm                  |
| 35           | 0000 042 350 20   | -                 | 0... 1            | d1         | 0,5 mm                  |
| 35           | 0000 042 485 00   | 0... 1            | -                 |            | 0,55 mm                 |
| 35           | 0000 042 547 20   | -                 | 0... 1            |            | 0,55 mm                 |
| 36           | 0000 051 591 03   | 0... 1            | -                 | d1         | 0,6 mm                  |
| 36           | 0000 042 351 20   | -                 | 0... 1            | d1         | 0,6 mm                  |
| 36           | 0000 042 486 00   | 0... 1            | -                 |            | 0,65 mm                 |
| 36           | 0000 042 509 20   | -                 | 0... 1            |            | 0,65 mm                 |
| 37           | 0000 051 592 03   | 0... 1            | -                 | d1         | 0,7 mm                  |
| 37           | 0000 042 352 20   | -                 | 0... 1            | d1         | 0,7 mm                  |
| 37           | 0000 042 487 00   | 0... 1            | -                 |            | 0,75 mm                 |

M07

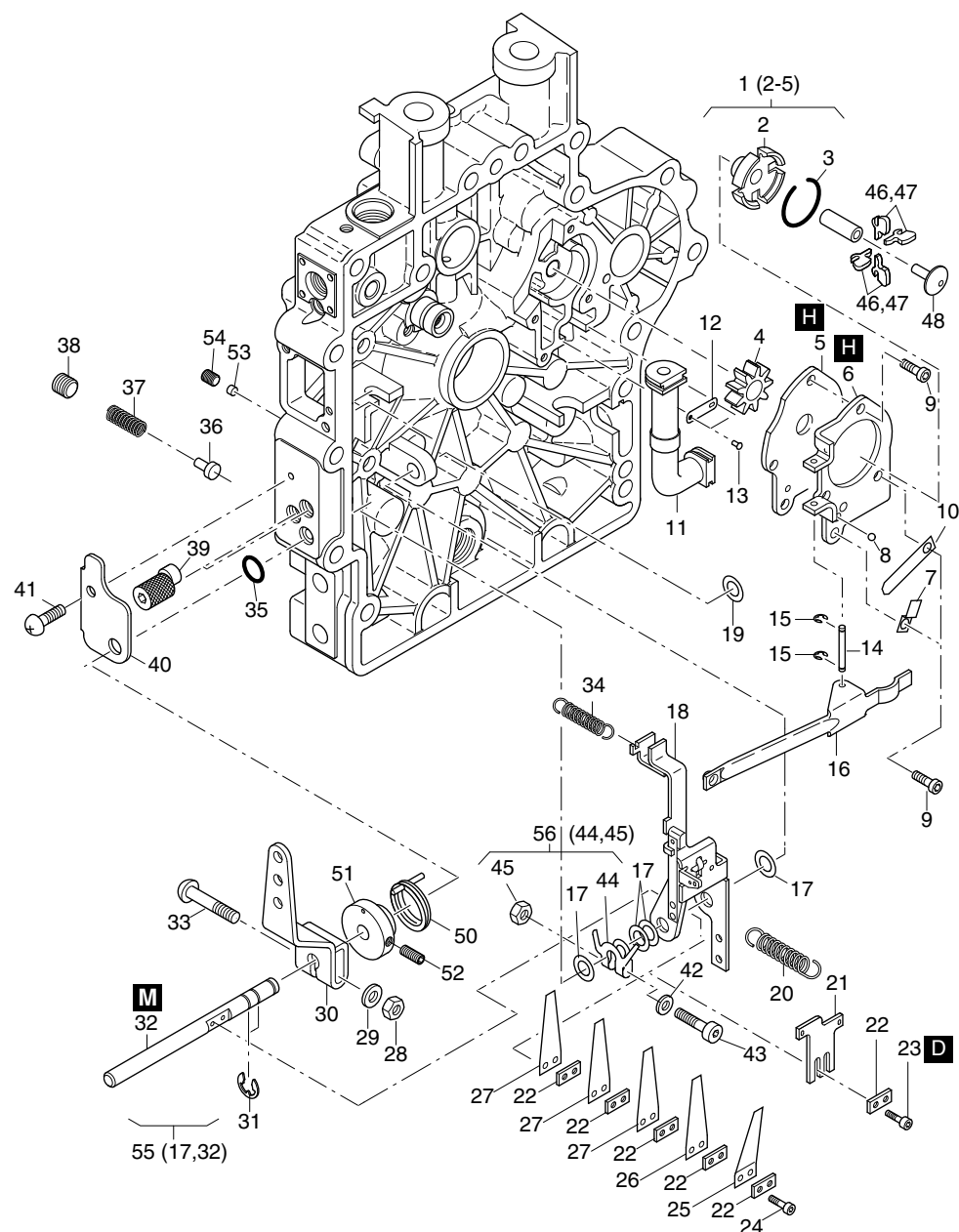
Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes   |
|--------------|-------------------|-------------------|-------------------|------------|------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                        |
| 37           | 0000 042 510 20   | -                 | 0... 1            |            | 0,75 mm                |
| 38           | 0000 051 593 03   | 0... 1            | -                 |            | 0,8 mm                 |
| 38           | 0000 042 353 20   | -                 | 0... 1            |            | 0,8 mm                 |
| 38           | 0000 042 511 20   | -                 | 0... 1            |            | 0,85 mm                |
| 39           | 0000 051 594 03   | 0... 1            | -                 |            | 0,9 mm                 |
| 39           | 0000 042 354 20   | -                 | 0... 1            |            | 0,9 mm                 |
| 39           | 0000 042 512 20   | -                 | 0... 1            |            | 0,95 mm                |
| 40           | 0000 051 595 03   | 0... 1            | -                 |            | 1,0 mm                 |
| 40           | 0000 042 355 20   | -                 | 0... 1            |            | 1,0 mm                 |
| 42           | 0000 041 745 00   | 2                 | 2                 |            |                        |
| 43           | 0000 041 065 01   | 2                 | 2                 | d2         |                        |
| 44           | 0000 503 966 00   | 2                 | 2                 |            | M 10 DIN 934-10 A3C    |
| 45           | 0000 042 437 00   | 2                 | 2                 | d2         |                        |
| 46           | 0000 505 639 00   | 2                 | 2                 | d2         | 10x 2,5                |
| 48           | 0000 020 307 00   | 1                 | 1                 |            |                        |
| 50           | 0000 500 009 00   | 4                 | 4                 |            | A 8 x 11,5 DIN 7603-Cu |
| 51           | 0000 020 306 01   | 1                 | 1                 |            |                        |
| 52           | 0000 506 222 00   | 1                 | 1                 |            |                        |

# M10, M32

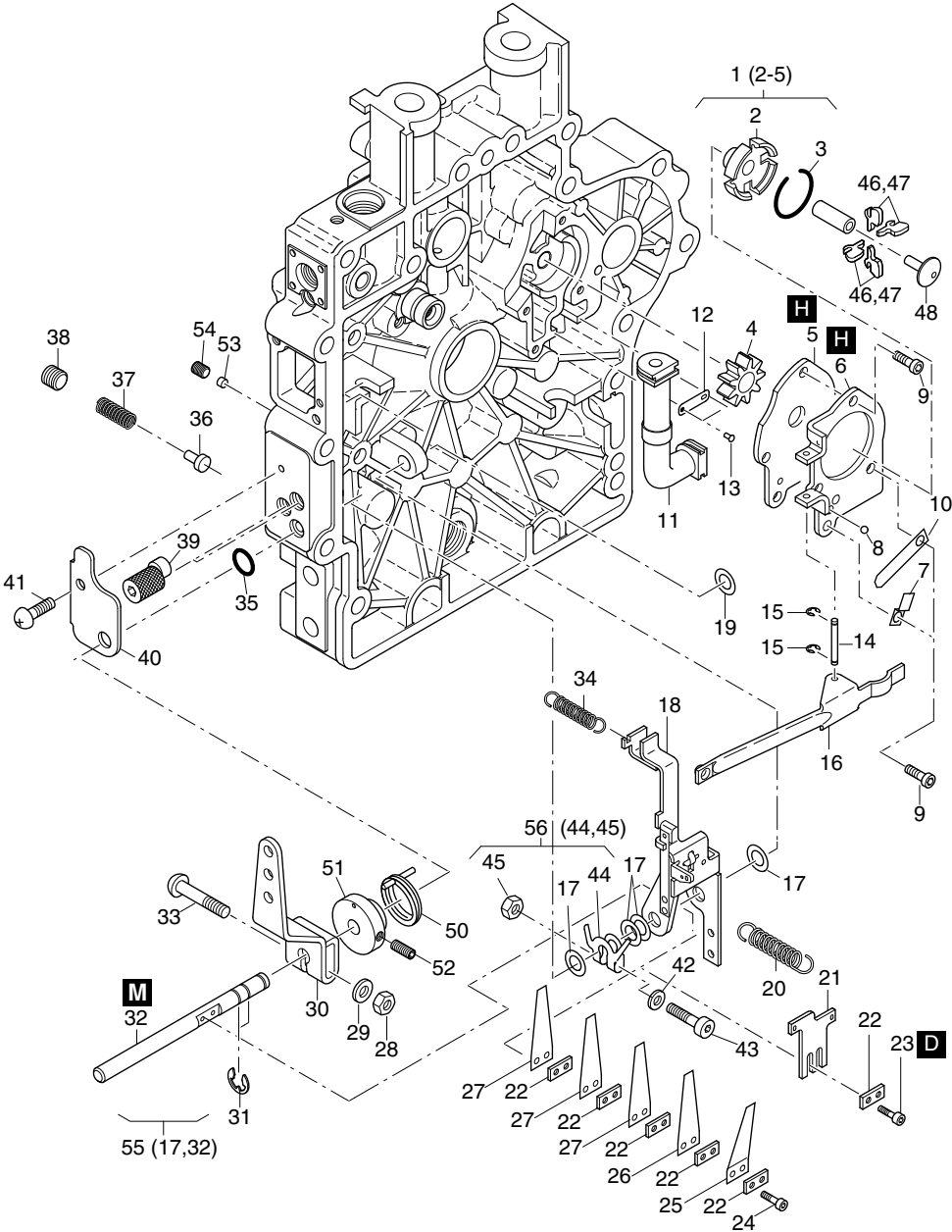
Oil pump, governor, speed control  
Ölpumpe, Regler, Drehzahlverstellung  
Pompe à huile, regulateur regime, réglage régime  
Bomba de aceite, regulador, ajuste de revoluciones  
Pompa olio, regolatore di giri, Comando acceleratore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     | W<br>d / D        | Bemerkungen<br>Notes       |
|--------------|------------------------|-------------------|-------------------|----------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |                            |
| 1            | 0000 <b>013 445 10</b> | 1                 | 1                 |                            |
| 2            | -----                  | -                 | -                 |                            |
| 3            | 0000 <b>042 109 10</b> | 1                 | 1                 |                            |
| 4            | -----                  | -                 | -                 |                            |
| 5            | -----                  | -                 | -                 |                            |
| 6            | 0000 <b>050 781 10</b> | 1                 | 1                 |                            |
| 7            | 0000 <b>050 971 00</b> | 1                 | 1                 |                            |
| 8            | 0000 <b>504 479 00</b> | 1                 | 1                 | 3,5mm KL. III              |
| 9            | 0000 <b>504 294 00</b> | 4                 | 4                 | M5 x 12 DIN 6912 - 8.8     |
| 10           | 0000 <b>050 973 00</b> | 1                 | 1                 | 0,4 mm                     |
| 11           | 0000 <b>013 460 00</b> | 1                 | 1                 |                            |
| 12           | 0000 <b>041 534 00</b> | 1                 | 1                 |                            |
| 13           | 0000 <b>400 026 00</b> | 2                 | 2                 | 3,2                        |
| 14           | 0000 <b>050 786 00</b> | 1                 | 1                 |                            |
| 15           | 0000 <b>504 348 00</b> | 2                 | 2                 | 1,9 DIN 6799               |
| 16           | 0000 <b>042 083 00</b> | 1                 | 1                 |                            |
| 17           | 0000 <b>504 224 00</b> | 4                 | 4                 | 8 x 14 x 1,0 DIN 988       |
| 18           | 0000 <b>015 304 04</b> | 1                 | 1                 |                            |
| 19           | 0000 <b>501 258 00</b> | 1                 | 1                 | 8 x 14 x 0,5 DIN 988       |
| 20           | 0000 <b>042 901 00</b> | 1                 | 1                 |                            |
| 21           | 0000 <b>051 308 00</b> | 1                 | 1                 |                            |
| 22           | 0000 <b>050 798 00</b> | 1... 5            | 1... 5            |                            |
| 23           | 0000 <b>504 653 00</b> | 2                 | 2                 | M 3 x 8 DIN 912-8.8        |
| 24           | 0000 <b>504 350 00</b> | 2                 | 2                 | M 3 x 12 DIN 912-8.8       |
| 25           | 0000 <b>051 486 00</b> | 1                 | 1                 | 0,4 mm 19°Gen PV 78        |
| 26           | 0000 <b>050 789 00</b> | 0... 1            | 0... 1            | 0,3 mm Gen-PV 78           |
| 26           | 0000 <b>053 855 00</b> | 0... 1            | 0... 1            | 0,25 mm                    |
| 27           | 0000 <b>051 316 00</b> | 1... 3            | 1... 3            | 0,2 mm Gen-PV 78           |
| 28           | 0000 <b>503 465 00</b> | 1                 | 1                 | M 6 DIN 934 - 10 A2F       |
| 29           | 0000 <b>501 445 00</b> | 1                 | 1                 | 6,4 DIN 125-St A3C         |
| 30           | 0000 <b>040 956 00</b> | 1                 | 1                 |                            |
| 31           | 0000 <b>500 927 00</b> | 2                 | 2                 | 7 DIN 6799 A3C             |
| 32           | -----                  | -                 | -                 |                            |
| 33           | 0000 <b>039 273 01</b> | 1                 | 1                 | M 6 x 32                   |
| 34           | 0000 <b>040 002 00</b> | 0... 1            | 0... 1            |                            |
| 34           | 0000 <b>505 634 00</b> | 0... 1            | 0... 1            |                            |
| 35           | 0000 <b>400 224 01</b> | 1                 | 1                 | D1 8 x 2 FPM 75 MOLYKOT.   |
| 36           | 0000 <b>051 517 10</b> | 0... 1            | 0... 1            |                            |
| 37           | 0000 <b>504 887 00</b> | 0... 1            | 0... 1            |                            |
| 38           | 0000 <b>504 757 00</b> | 1                 | 1                 | M 10 x 10 DIN 913-A3C Tuf. |
| 39           | 0000 <b>051 788 10</b> | 2                 | 2                 |                            |
| 40           | 0000 <b>051 784 00</b> | 1                 | 1                 |                            |
| 41           | 0000 <b>504 923 00</b> | 1                 | 1                 | M 5 x 12 ISO 7380-10.9 Zn  |
| 42           | 0000 <b>502 163 00</b> | 1                 | 1                 | 5,3 DIN 125-St A3C         |
| 43           | 0000 <b>504 922 00</b> | 1                 | 1                 | M 5 x 25 DIN 6912-8.8      |

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

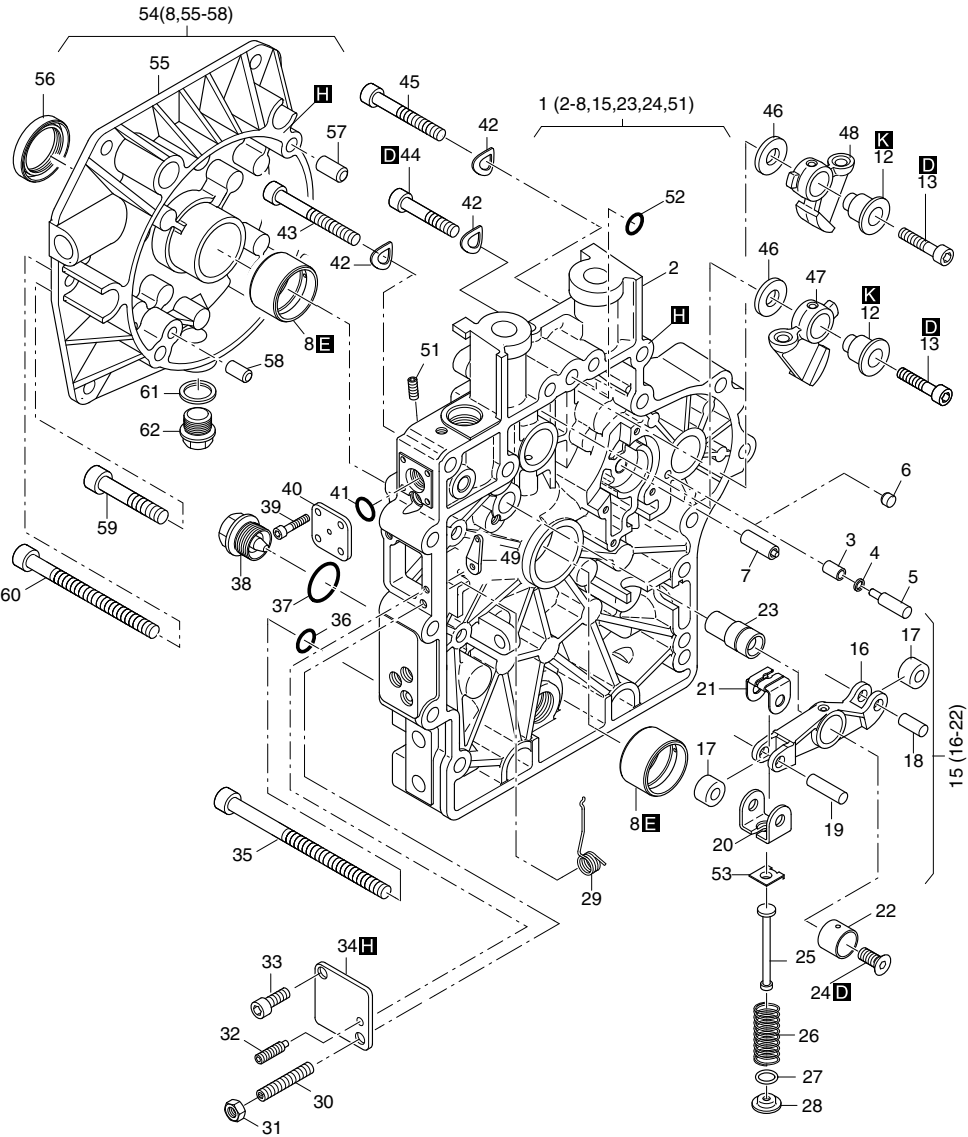


| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes     |
|--------------|------------------------|-------------------|-------------------|------------|--------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                          |
| 44           | -----                  | -                 | -                 |            |                          |
| 45           | 0000 <b>500 943 00</b> | 1                 | 1                 |            | M 5 DIN 934-8 A3C        |
| 46           | 0000 <b>050 796 11</b> | 0... 4            | 0... 4            |            | Gen - PV 78 = (0)        |
| 47           | 0000 <b>051 602 11</b> | 0... 4            | 0... 4            |            | Gen - PV 78 = (4)        |
| 48           | 0000 <b>050 785 02</b> | 1                 | 1                 |            |                          |
| 50           | 0000 <b>051 791 00</b> | 0... 1            | 0... 1            |            | START rechts/right       |
| 50           | 0000 <b>051 540 10</b> | 0... 1            | 0... 1            |            | STOP links/left          |
| 51           | 0000 <b>051 790 00</b> | 0... 1            | 0... 1            |            |                          |
| 52           | 0000 <b>504 006 00</b> | 0... 1            | 0... 1            |            | M 5 x 10 A3C DIN 916-45H |
| 53           | 0000 <b>053 073 00</b> | 1                 | 1                 |            | 4,5 x 3                  |
| 54           | 0000 <b>505 746 00</b> | 1                 | 1                 |            | M 6 x 10 DIN 913-45H-A3C |
| 55           | 0000 <b>019 810 00</b> | 1                 | 1                 |            |                          |

Timing cover  
Steuerdeckel  
Couvercle distribution  
Tapa de mando  
Coperchio distribuzione

27

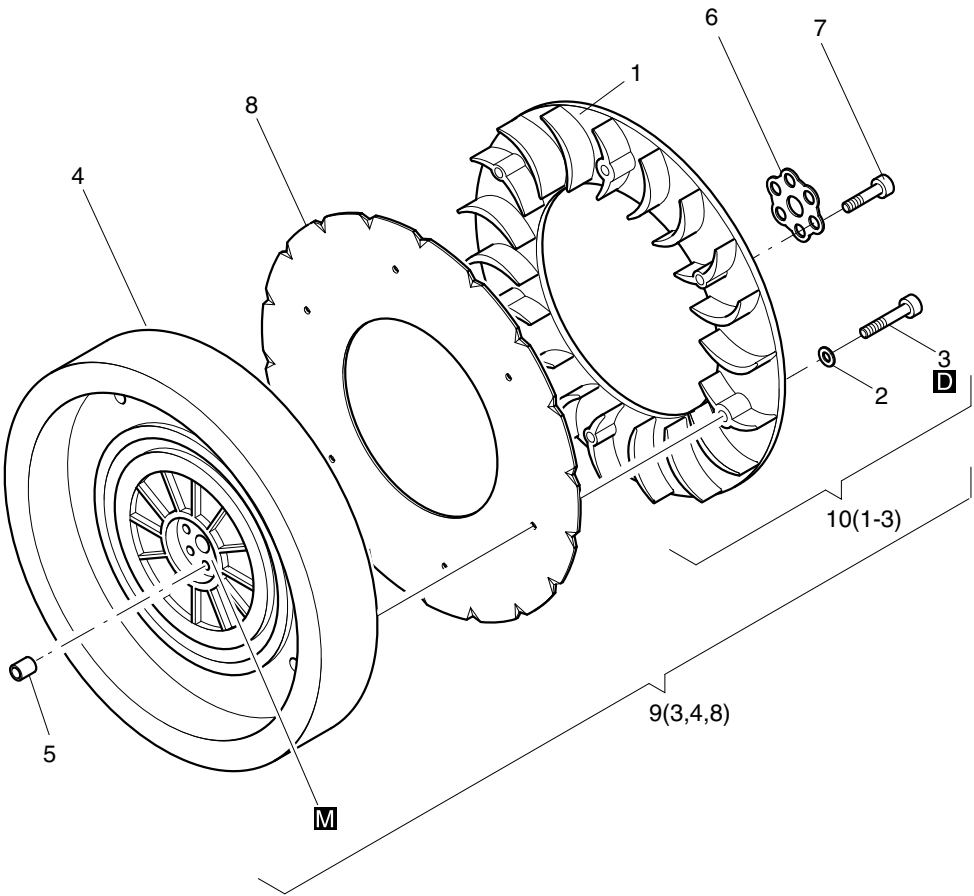
Timing cover  
Steuerdeckel  
Couvercle distribution  
Tapa de mando  
Coperchio distribuzione



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes        |
|--------------|-------------------|-------------------|-------------------|------------|-----------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                             |
| 49           | 0000 051 271 00   | 1                 | 1                 |            |                             |
| 51           | 0000 502 624 00   | 1                 | 1                 |            | M 6 x 10 DIN 916 TUF360G    |
| 52           | 0000 400 223 00   | 1                 | 1                 |            | D1 8 x 2                    |
| 53           | 0000 041 895 00   | 1                 | 1                 |            |                             |
| 54           | 0000 017 774 00   | 1                 | 1                 |            |                             |
| 55           | -----             | -                 | -                 |            |                             |
| 56           | 0000 504 795 00   | 1                 | 1                 |            | D1 35 x 47 x 7              |
| 57           | 0000 500 588 00   | 1                 | 1                 |            | 10 m 6 x 24 DIN 7-9S20K     |
| 58           | 0000 505 028 01   | 1                 | 1                 |            | 8 M 6 x 24 DIN 6325 2 Fasen |
| 59           | 0000 503 618 00   | 2                 | 2                 |            | M 10 x 50 DIN 912-8.8A3C    |
| 60           | 0000 500 597 01   | 4                 | 4                 |            | M 8 x 100 DIN 912-8.8A3C    |
| 61           | 0000 500 014 00   | 2                 | 2                 |            | A 18 x 22 DIN 7603 - Cu     |
| 62           | 0000 500 442 00   | 2                 | 2                 |            | M 18 x 1,5 DIN 910          |

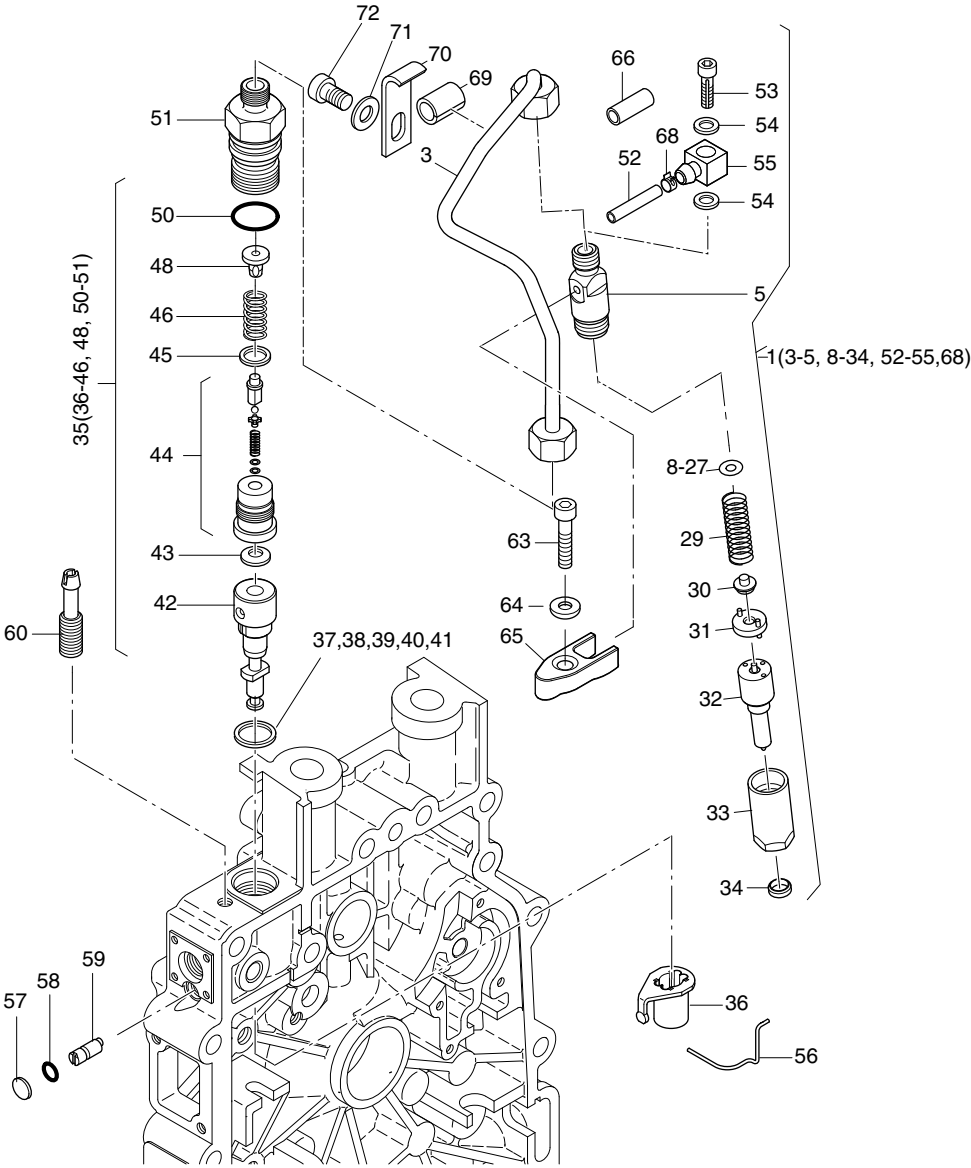
M13, M17

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



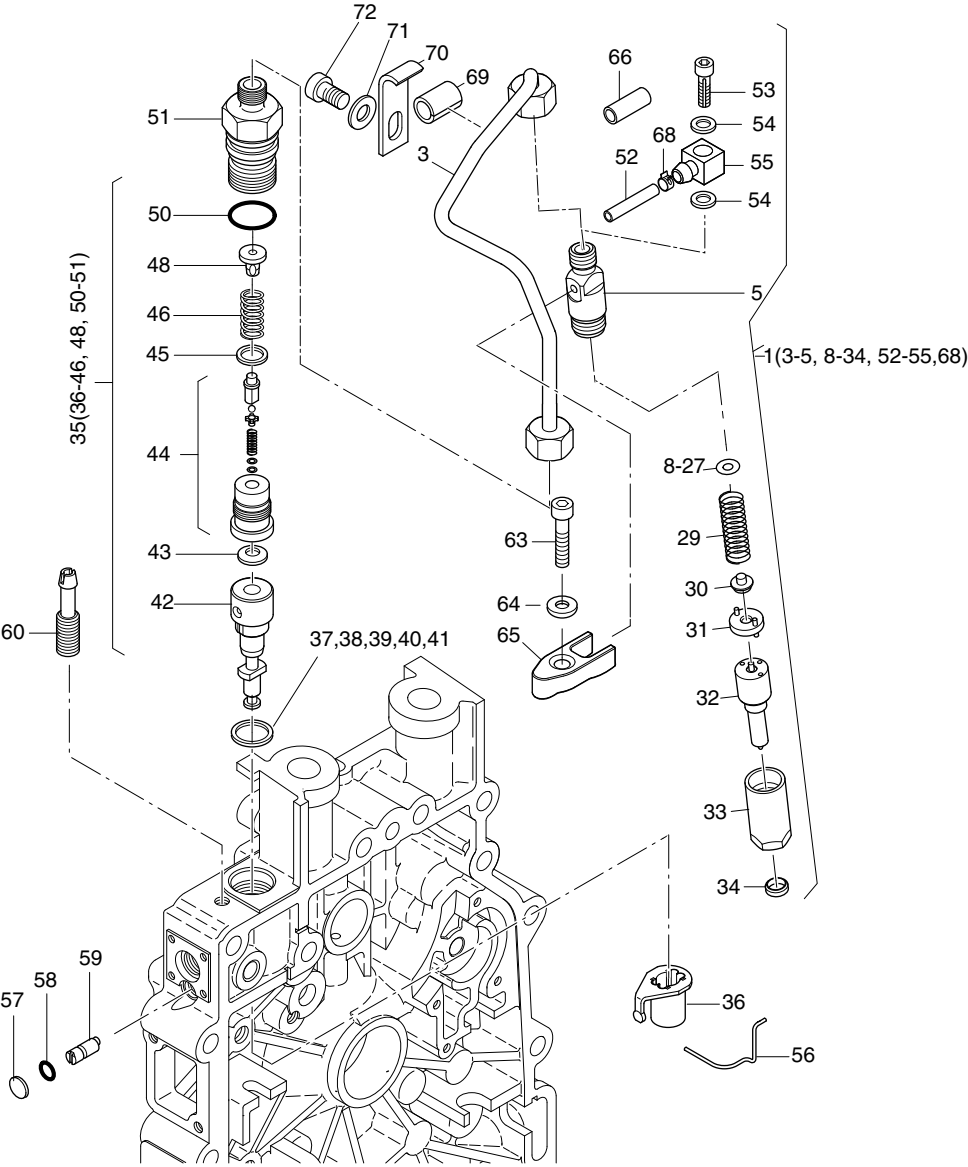
| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes     |
|--------------|-------------------|-------------------|-------------------|------------|--------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                          |
| 1            | -----             | -                 | -                 |            |                          |
| 2            | 0000 500 034 00   | 6                 | 6                 |            | A 4 DIN 137 - ST         |
| 3            | 0000 503 273 00   | 6                 | 6                 |            | M 4 x 20 DIN 912-8.8 A3C |
| 4            | 0000 042 345 00   | -                 | 1                 |            |                          |
| 5            | 0000 042 882 00   | 1                 | 1                 |            | 10,2 x 8,2 x 12,5        |
| 6            | 0000 041 551 01   | 1                 | 1                 |            |                          |
| 7            | 0000 505 025 01   | 6                 | 6                 |            | M 8 x 35 DIN 912-12.9    |
| 8            | 0000 013 908 00   | 1                 | 1                 |            |                          |
| 9            | 0000 018 990 00   | 1                 | -                 |            | Handstart                |
| 10           | 0000 019 343 00   | 1                 | 1                 |            |                          |

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



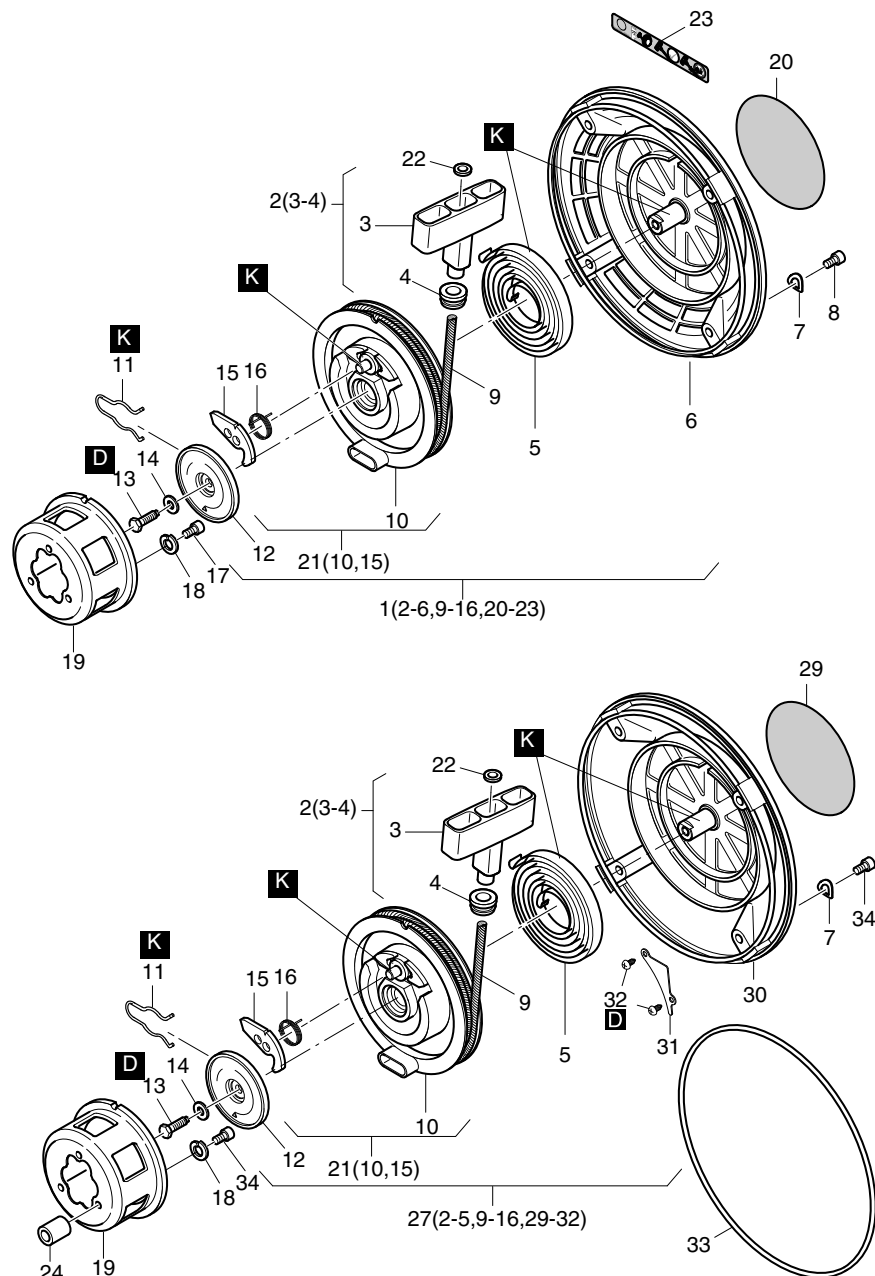
| Fig.-<br>No. | HATZ<br>Ident-No. | St ck<br>Qty.     |                   | W<br>d / D     | Bemerkungen<br>Notes |
|--------------|-------------------|-------------------|-------------------|----------------|----------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |                |                      |
| 1            | 0000 018 579 10   | 1                 | 1                 |                |                      |
| 3            | 0000 020 229 01   | 1                 | 1                 |                |                      |
| 5            | -----             | -                 | -                 |                |                      |
| 8            | 0000 504 364 00   | 0... 1            | 0... 1            |                | 1,00 mm              |
| 9            | 0000 504 365 00   | 0... 1            | 0... 1            |                | 1,04 mm              |
| 10           | 0000 504 366 00   | 0... 1            | 0... 1            |                | 1,10 mm              |
| 11           | 0000 504 367 00   | 0... 1            | 0... 1            |                | 1,14 mm              |
| 12           | 0000 504 368 00   | 0... 1            | 0... 1            |                | 1,20 mm              |
| 13           | 0000 504 369 00   | 0... 1            | 0... 1            |                | 1,24 mm              |
| 14           | 0000 504 370 00   | 0... 1            | 0... 1            |                | 1,30 mm              |
| 15           | 0000 504 371 00   | 0... 1            | 0... 1            |                | 1,34 mm              |
| 16           | 0000 504 372 00   | 0... 1            | 0... 1            |                | 1,40 mm              |
| 17           | 0000 504 373 00   | 0... 1            | 0... 1            |                | 1,44 mm              |
| 18           | 0000 504 374 00   | 0... 1            | 0... 1            |                | 1,50 mm              |
| 19           | 0000 504 375 00   | 0... 1            | 0... 1            |                | 1,54 mm              |
| 20           | 0000 504 376 00   | 0... 1            | 0... 1            |                | 1,60 mm              |
| 21           | 0000 504 377 00   | 0... 1            | 0... 1            |                | 1,64 mm              |
| 22           | 0000 504 378 00   | 0... 1            | 0... 1            |                | 1,70 mm              |
| 23           | 0000 504 379 00   | 0... 1            | 0... 1            |                | 1,74 mm              |
| 24           | 0000 504 380 00   | 0... 1            | 0... 1            |                | 1,80 mm              |
| 25           | 0000 504 381 00   | 0... 1            | 0... 1            |                | 1,84 mm              |
| 26           | 0000 504 382 00   | 0... 1            | 0... 1            |                | 1,90 mm              |
| 27           | 0000 504 383 00   | 0... 1            | 0... 1            |                | 1,94 mm              |
| 29           | -----             | -                 | -                 |                |                      |
| 30           | -----             | -                 | -                 |                |                      |
| 31           | -----             | -                 | -                 |                |                      |
| 32           | 0000 505 774 10   | 1                 | 1                 |                |                      |
| 33           | -----             | -                 | -                 |                |                      |
| 34           | 0000 050 705 00   | 1                 | 1                 | d1             |                      |
| 35           | 0000 016 808 20   | 1                 | 1                 |                |                      |
| 36           | 0000 013 308 01   | 1                 | 1                 |                |                      |
| 37           | 0000 040 963 00   | 0... 1            | 0... 1            |                | 0,2 mm               |
| 38           | 0000 040 964 00   | 0... 1            | 0... 1            |                | 0,3 mm               |
| 39           | 0000 040 965 00   | 0... 1            | 0... 1            |                | 0,4 mm               |
| 40           | 0000 040 966 00   | 0... 1            | 0... 1            |                | 0,5 mm               |
| 41           | 0000 040 967 00   | 0... 1            | 0... 1            |                | 0,6 mm               |
| 42           | -----             | -                 | -                 |                |                      |
| 43           | 0000 041 652 00   | 1                 | 1                 | 8              |                      |
| 44           | -----             | -                 | -                 |                |                      |
| 45           | 0000 504 769 00   | 1                 | 1                 | 9,5 x 13 x 0,5 |                      |
| 46           | -----             | -                 | -                 |                |                      |
| 48           | -----             | -                 | -                 |                |                      |
| 50           | 0000 504 892 00   | 1                 | 1                 | D1 17 x 2      |                      |
| 51           | -----             | -                 | -                 |                |                      |
| 52           | 0000 053 812 00   | 1                 | 1                 |                |                      |

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



| Fig.-<br>No. | HATZ<br>Ident-No. | St ck<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes       |
|--------------|-------------------|-------------------|-------------------|------------|----------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                            |
| 53           | 0000 042 819 00   | 1                 | 1                 |            | M 4 x 14                   |
| 54           | 0000 501 108 00   | 2                 | 2                 |            | A4 x 8 DIN 7603-Cu         |
| 55           | 0000 051 290 00   | 1                 | 1                 |            |                            |
| 56           | 0000 041 618 00   | 1                 | 1                 |            |                            |
| 57           | 0000 504 760 00   | 1                 | 1                 |            | 8 DIN 470 Al               |
| 58           | 0000 503 301 00   | 1                 | 1                 |            | 4 x 1,2                    |
| 59           | 0000 040 977 10   | 1                 | 1                 |            |                            |
| 60           | 0000 050 842 01   | 1                 | 1                 |            |                            |
| 63           | 0000 503 239 00   | 1                 | 1                 |            | M 6 x 30 DIN 912-8.8A3C    |
| 64           | 0000 505 965 00   | 1                 | 1                 |            | 6,4                        |
| 65           | 0000 042 818 01   | 1                 | 1                 |            |                            |
| 66           | 0000 052 522 00   | 1                 | 1                 |            | 245mm   7 mm               |
| 68           | 0000 505 779 00   | 1                 | 1                 |            | 6                          |
| 69           | 0000 042 827 00   | 1                 | 1                 |            |                            |
| 70           | 0000 042 826 00   | 1                 | 1                 |            |                            |
| 71           | 0000 501 445 00   | 1                 | 1                 |            | 6,4 DIN 125-St A3C         |
| 72           | 0000 505 281 00   | 1                 | 1                 |            | M6x16DIN6912-8.8A3C KL360G |

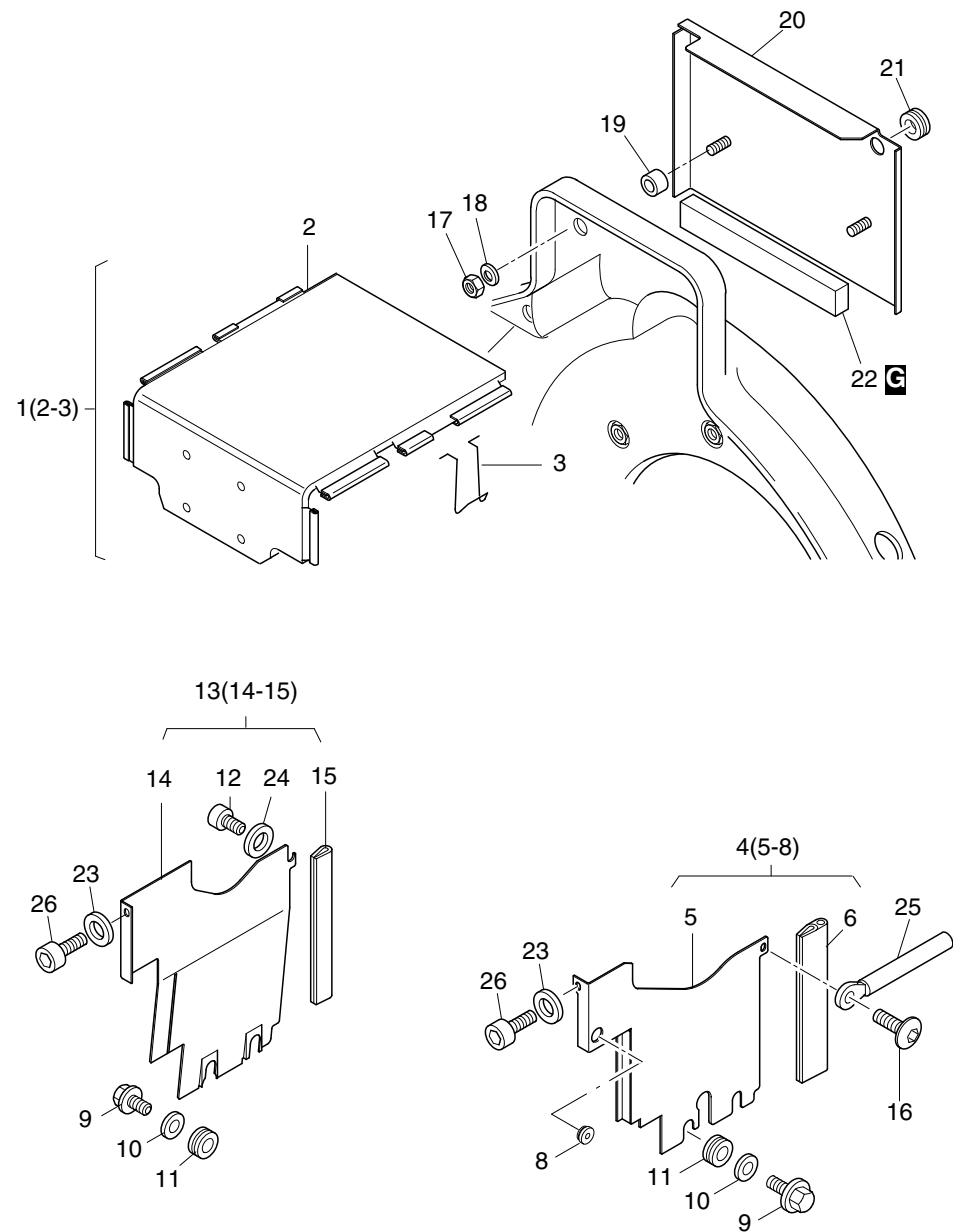
Recoil starter  
 Reversierstarter  
 Demarreur reversible  
 Arrancador reversible  
 Avviamento a strappo



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes     |
|--------------|------------------------|-------------------|-------------------|------------|--------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                          |
| 1            | 0000 <b>023 191 00</b> | 1                 | 1                 |            |                          |
| 2            | 0000 <b>014 978 00</b> | 1                 | 1                 |            |                          |
| 3            | -----                  | -                 | -                 |            |                          |
| 4            | 0000 <b>036 652 00</b> | 1                 | 1                 |            |                          |
| 5            | 0000 <b>050 452 02</b> | 1                 | 1                 |            |                          |
| 6            | 0000 <b>015 693 10</b> | 1                 | 1                 |            |                          |
| 7            | 0000 <b>500 812 00</b> | 4                 | 4                 |            | A 6 DIN 137 - A3C        |
| 8            | 0000 <b>500 627 00</b> | 4                 | 4                 |            | M 6 x 10 DIN 912-8.8 A3C |
| 9            | 0000 <b>019 290 00</b> | 1                 | 1                 |            | 2040 mm                  |
| 10           | -----                  | -                 | -                 |            |                          |
| 11           | 0000 <b>050 449 01</b> | 1                 | 1                 |            |                          |
| 12           | 0000 <b>050 450 02</b> | 1                 | 1                 |            |                          |
| 13           | 0000 <b>501 463 00</b> | 1                 | 1                 |            | M 6 x 18 DIN 933-8.8 A3C |
| 14           | 0000 <b>503 907 01</b> | 1                 | 1                 |            | 6 DIN 6796 - 6 - FST ZN  |
| 15           | 0000 <b>050 448 00</b> | 1                 | 1                 |            |                          |
| 16           | 0000 <b>050 613 00</b> | 1                 | 1                 |            |                          |
| 17           | 0000 <b>500 627 00</b> | 3                 | 3                 |            | M 6 x 10 DIN 912-8.8 A3C |
| 18           | 0000 <b>501 709 00</b> | 3                 | 3                 |            | 6 DIN 128 - A3C          |
| 19           | 0000 <b>041 550 00</b> | 1                 | 1                 |            |                          |
| 20           | 0000 <b>051 091 03</b> | 1                 | 1                 |            |                          |
| 21           | 0000 <b>015 488 00</b> | 1                 | 1                 |            |                          |
| 22           | 0000 <b>505 146 00</b> | 1                 | 1                 |            | 5,3 DIN 9021 PA 6.6      |
| 23           | 0000 <b>053 338 01</b> | 1                 | 1                 |            |                          |
| 24           | 0000 <b>051 886 00</b> | 3                 | 3                 |            | 7 x 12 x 7 "SILENT"      |
| 27           | 0000 <b>018 872 01</b> | 0... 1            | 0... 1            |            | "SILENT"                 |
| 29           | 0000 <b>053 097 01</b> | 0... 1            | 0... 1            |            | "SILENT"                 |
| 30           | 0000 <b>019 399 00</b> | 0... 1            | 0... 1            |            | "SILENT"                 |
| 31           | 0000 <b>053 120 00</b> | 0... 1            | 0... 1            |            | "SILENT"                 |
| 32           | 0000 <b>503 349 00</b> | 0... 2            | 0... 2            |            | B 4,2 x 9,5 DIN 7981 A3C |
| 33           | 0000 <b>042 518 00</b> | 1                 | 1                 |            | "SILENT"                 |
| 34           | 0000 <b>501 706 00</b> | 7                 | 7                 |            | M 6 x 20 DIN 912-8.8A3C  |

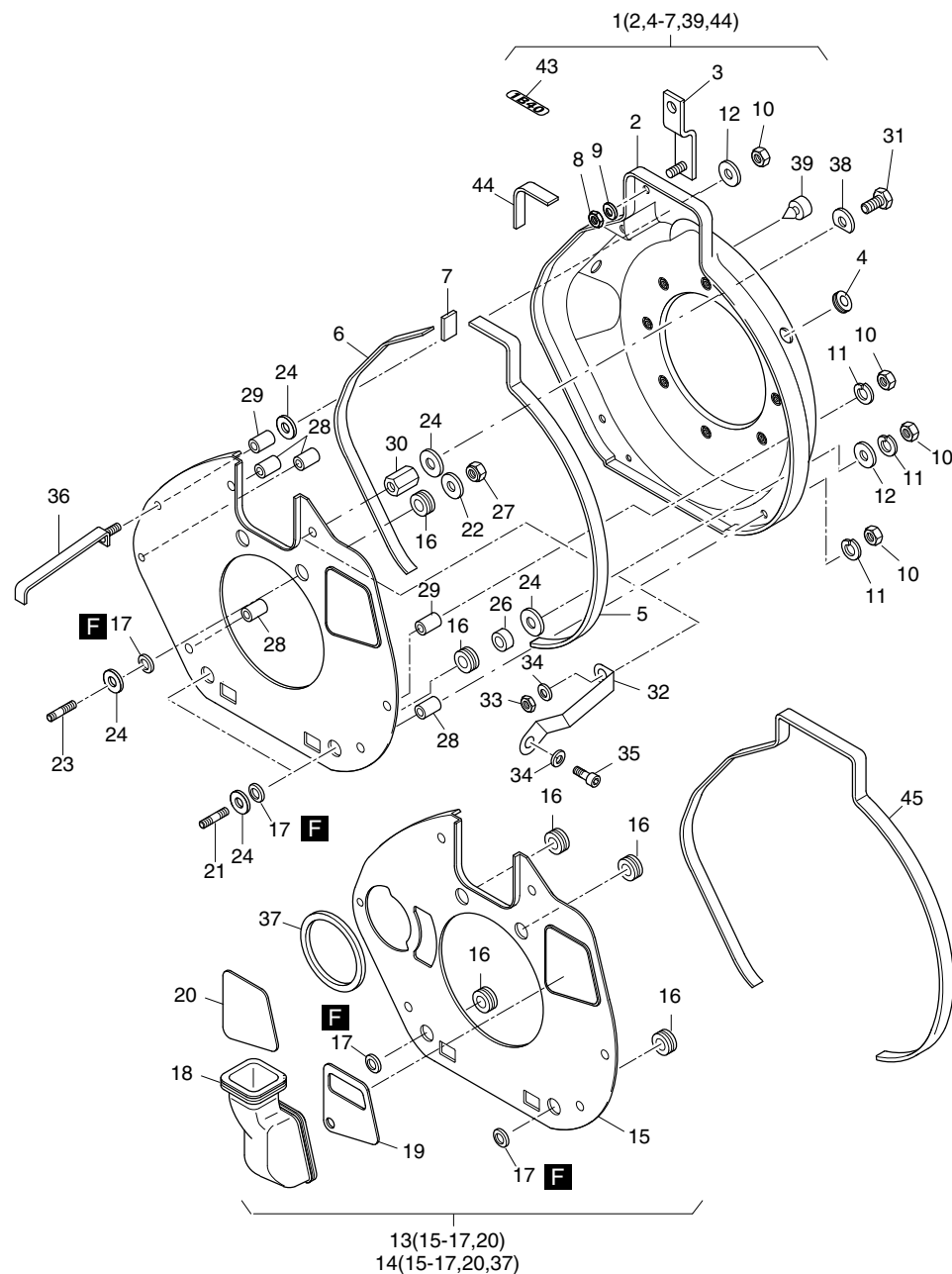
M26a

Air ducting  
Luftführung  
Carter ventilation  
Conducción de aire  
Carter ventilatore



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes         |
|--------------|-------------------|-------------------|-------------------|------------|------------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                              |
| 1            | 0000 016 104 01   | 0... 1            | 0... 1            |            |                              |
| 2            | -----             | -                 | -                 |            |                              |
| 3            | 0000 051 521 00   | 1                 | 1                 |            |                              |
| 4            | 0000 013 454 10   | 1                 | 1                 |            |                              |
| 5            | -----             | -                 | -                 |            |                              |
| 6            | 0000 041 442 10   | 1                 | 1                 |            | 100 mm                       |
| 8            | 0000 503 348 00   | 1                 | 1                 |            |                              |
| 9            | 0000 504 454 01   | 4                 | 4                 |            | M 4 x 10 ST A3C              |
| 10           | 0000 504 416 00   | 4                 | 4                 |            | 4,3 DIN 9021 - A3C 140HV     |
| 11           | 0000 501 638 01   | 4                 | 4                 |            |                              |
| 12           | 0000 505 281 00   | 1                 | 1                 |            | M6x16DIN6912-8.8A3C KL360G   |
| 13           | 0000 013 453 10   | 1                 | 1                 |            |                              |
| 14           | -----             | -                 | -                 |            |                              |
| 15           | 0000 041 442 10   | 1                 | 1                 |            | 100 mm                       |
| 16           | 0000 504 950 00   | 1                 | 1                 |            | M 6 x 12 DIN 7380-10.9 A3C   |
| 17           | 0000 501 444 00   | 2                 | 2                 |            | M 6 DIN 934 - 8 A3C          |
| 18           | 0000 501 709 00   | 2                 | 2                 |            | 6 DIN 128 - A3C              |
| 19           | 0000 033 546 00   | 2                 | 2                 |            | 7 x 12 x 8                   |
| 20           | 0000 016 982 00   | 0... 1            | 0... 1            |            |                              |
| 21           | 0000 503 348 00   | 1                 | 1                 |            |                              |
| 22           | 0000 035 772 00   | 1                 | 1                 |            | 14 x 9 x 125                 |
| 23           | 0000 501 445 00   | 2                 | 2                 |            | 6,4 DIN 125-St A3C           |
| 24           | 0000 040 606 00   | 1                 | 1                 |            | 6,4 x 16 x 1,5 A3C           |
| 25           | 0000 050 012 00   | 0... 1            | 0... 1            |            |                              |
| 26           | 0000 504 742 00   | 2                 | 2                 |            | M6x16 DIN912-8.8 A3C Tuf.360 |

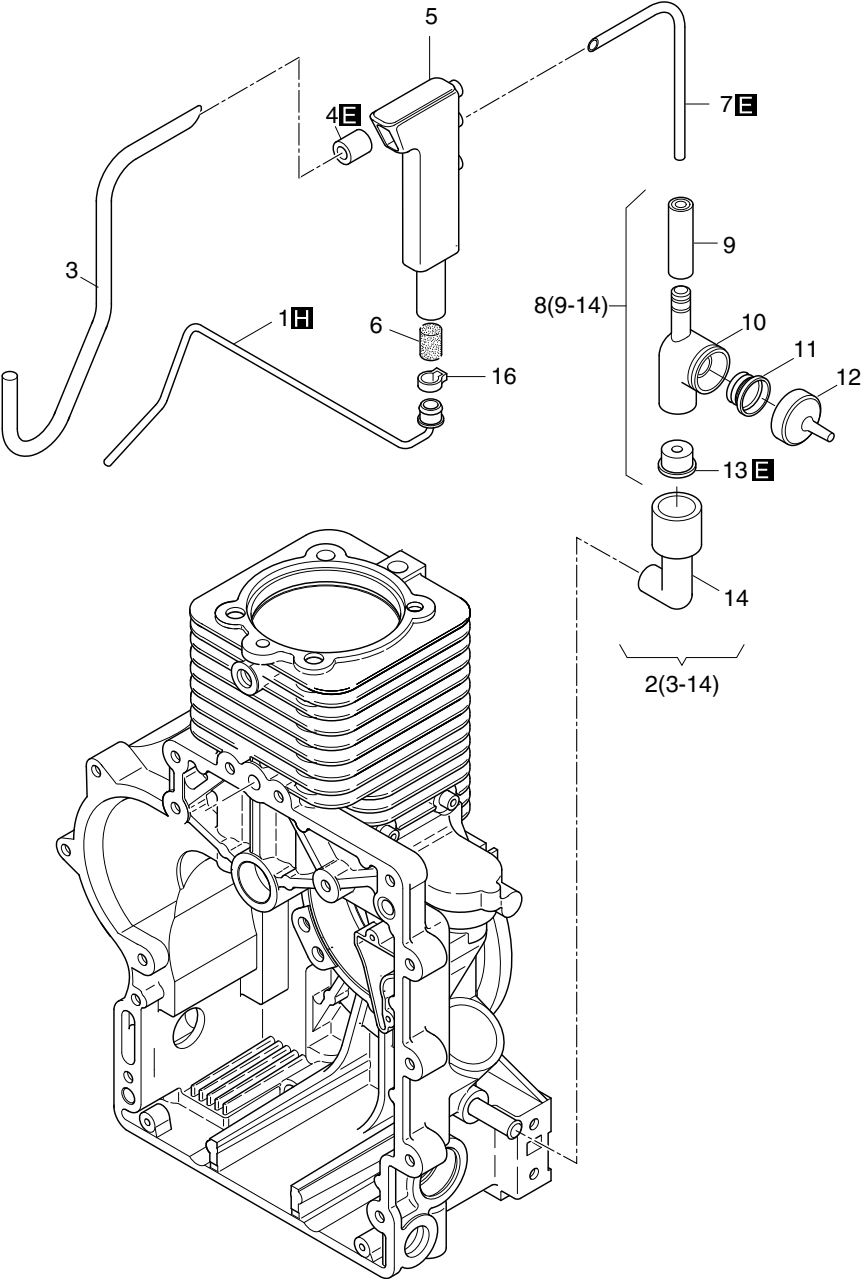
Air ducting  
Luftführung  
Carter ventilation  
Conducción de aire  
Carter ventilatore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes           |
|--------------|------------------------|-------------------|-------------------|------------|--------------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                                |
| 1            | 0000 <b>018 315 01</b> | 0... 1            | -                 |            | M15 - Pos. 1                   |
| 1            | 0000 <b>019 464 10</b> | 0... 1            | 1                 |            | "SILENT"                       |
| 2            | -----                  | -                 | -                 |            |                                |
| 3            | 0000 <b>013 313 00</b> | 2                 | 2                 |            |                                |
| 4            | 0000 <b>504 533 00</b> | 1                 | 1                 |            |                                |
| 5            | 0000 <b>054 016 00</b> | 1                 | 1                 |            | 715 mm                         |
| 6            | 0000 <b>054 015 00</b> | 1                 | 1                 |            | 555 mm                         |
| 7            | 0000 <b>054 014 00</b> | 1                 | 1                 |            | 57 mm                          |
| 8            | 0000 <b>501 444 00</b> | 2                 | 2                 |            | M 6 DIN 934 - 8 A3C            |
| 9            | 0000 <b>501 709 00</b> | 2                 | 2                 |            | 6 DIN 128 - A3C                |
| 10           | 0000 <b>501 444 00</b> | 7                 | 7                 |            | M 6 DIN 934 - 8 A3C            |
| 11           | 0000 <b>501 709 00</b> | 8                 | 8                 |            | 6 DIN 128 - A3C                |
| 12           | 0000 <b>501 200 00</b> | 3                 | 3                 |            | A 6,4 DIN 9021-St A3C          |
| 13           | 0000 <b>016 619 00</b> | 1                 | 1                 |            | Handstart                      |
| 14           | 0000 <b>013 476 00</b> | 1                 | 1                 |            | E-Start                        |
| 15           | -----                  | -                 | -                 |            |                                |
| 16           | 0000 <b>013 783 00</b> | 4                 | 4                 |            |                                |
| 17           | 0000 <b>035 755 00</b> | 4                 | 4                 |            |                                |
| 18           | 0000 <b>041 468 00</b> | 0... 1            | 0... 1            |            |                                |
| 19           | 0000 <b>041 508 00</b> | 0... 1            | 0... 1            |            |                                |
| 20           | 0000 <b>042 152 00</b> | 0... 1            | 0... 1            |            |                                |
| 21           | 0000 <b>504 581 00</b> | 2                 | 2                 |            | M 6 x 45 DIN 835 - 8.8 A3B     |
| 22           | 0000 <b>501 143 00</b> | 2                 | 2                 |            | 6,4 x 17 x 3 DIN 7349 A3C      |
| 23           | 0000 <b>504 644 01</b> | 2                 | 2                 |            | M 6 x 35 DIN 939- 8.8 A3C Tuf. |
| 24           | 0000 <b>040 420 00</b> | 7                 | 7                 |            | 6,5 x 22,5 x 1                 |
| 26           | 0000 <b>051 886 00</b> | 2                 | 2                 |            | 7 x 12 x 7                     |
| 27           | 0000 <b>503 283 00</b> | 2                 | 2                 |            | VM 6 DIN 980-8 A3C             |
| 28           | 0000 <b>041 390 00</b> | 4                 | 4                 |            | 6,5 x 12 x 18                  |
| 29           | 0000 <b>040 984 00</b> | 2                 | 2                 |            | 7 x 12 x 16,3                  |
| 30           | 0000 <b>051 840 00</b> | 1                 | 1                 |            | M 6 x 17                       |
| 31           | 0000 <b>500 264 00</b> | 1                 | 1                 |            | M 6 x 35 DIN 933-8.8 A3C       |
| 32           | 0000 <b>016 694 00</b> | 1                 | 1                 |            |                                |
| 33           | 0000 <b>501 444 00</b> | 1                 | 1                 |            | M 6 DIN 934 - 8 A3C            |
| 34           | 0000 <b>501 709 00</b> | 2                 | 2                 |            | 6 DIN 128 - A3C                |
| 35           | 0000 <b>501 707 00</b> | 1                 | 1                 |            | M 6 x 16 DIN 912-8.8A3C        |
| 36           | 0000 <b>016 833 00</b> | 1                 | 1                 |            |                                |
| 37           | 0000 <b>040 995 00</b> | 1                 | 1                 |            |                                |
| 38           | 0000 <b>051 409 00</b> | 1                 | 1                 |            |                                |
| 39           | 0000 <b>503 926 10</b> | 0... 4            | 0... 4            |            |                                |
| 43           | 0000 <b>053 142 00</b> | 1                 | -                 |            | 1B40                           |
| 43           | 0000 <b>053 143 00</b> | -                 | 1                 |            | 1B50                           |
| 44           | 0000 <b>054 013 00</b> | 1                 | 1                 |            | 58 mm                          |
| 45           | 0000 <b>053 135 00</b> | 0... 1            | 0... 1            |            | 1335 mm                        |

M31a

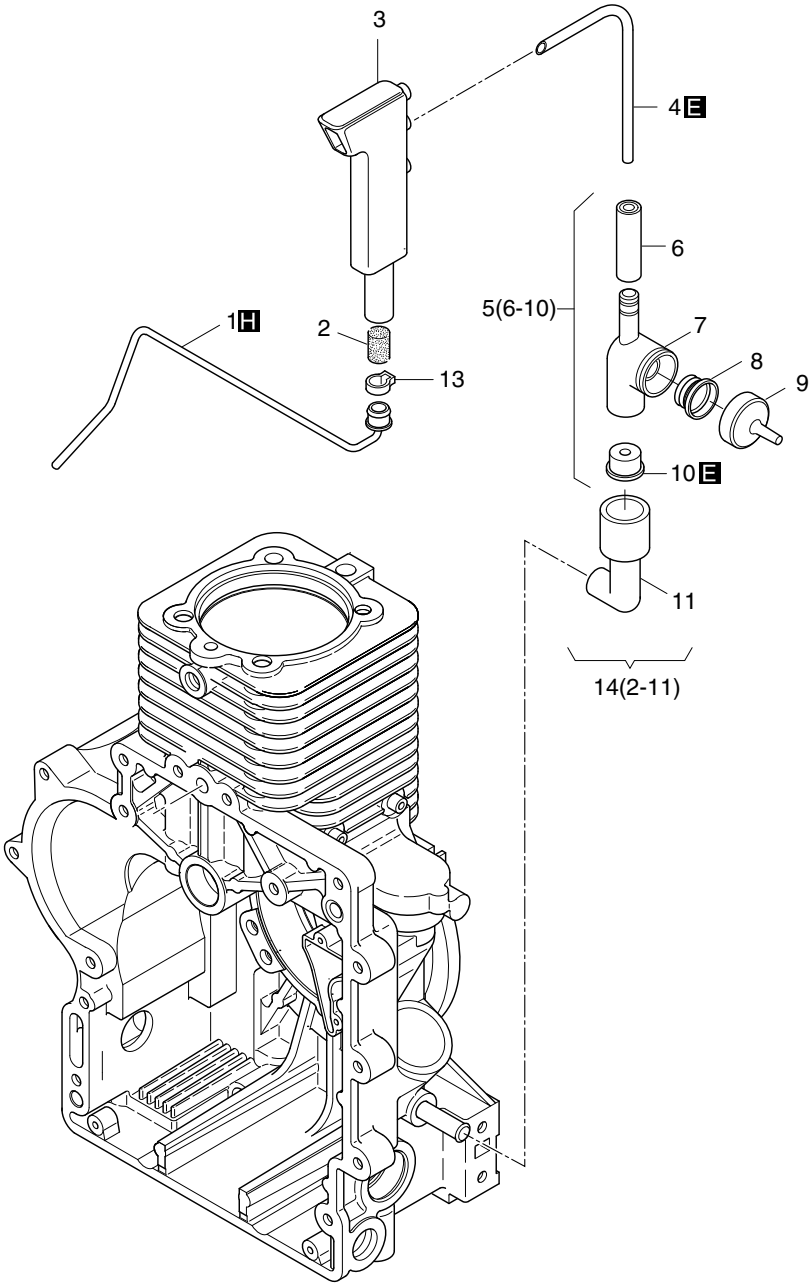
Crankcase breathing system EPA  
Kurbelgehäuseentlüftung EPA  
Reniflard EPA  
Purgador EPA  
Sfiato basamento EPA



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes   |
|--------------|-------------------|-------------------|-------------------|------------|------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                        |
| 1            | 0000 013 726 00   | 1                 | 1                 |            |                        |
| 2            | 0000 013 734 01   | 1                 | 1                 |            |                        |
| 3            | 0000 042 611 00   | 1                 | 1                 |            |                        |
| 4            | 0000 042 595 00   | 1                 | 1                 |            |                        |
| 5            | 0000 042 021 00   | 1                 | 1                 |            |                        |
| 6            | 0000 051 029 00   | 1                 | 1                 |            | Filter, Filtre, Filtro |
| 7            | 0000 042 020 00   | 1                 | 1                 |            |                        |
| 8            | 0000 013 735 00   | 1                 | 1                 |            |                        |
| 9            | 0000 013 732 00   | 1                 | 1                 |            |                        |
| 10           | -----             | -                 | -                 |            |                        |
| 11           | 0000 035 687 01   | 1                 | 1                 |            |                        |
| 12           | 0000 035 686 00   | 1                 | 1                 |            |                        |
| 13           | 0000 041 788 00   | 1                 | 1                 |            |                        |
| 14           | 0000 041 361 00   | 1                 | 1                 |            |                        |
| 16           | 0000 504 568 00   | 1                 | 1                 |            |                        |

M31b

Crankcase breathing system NON EPA  
Kurbelgehäuseentlüftung NON EPA  
Reniflard NON EPA  
Purgador NON EPA  
Sfiato basamento NON EPA

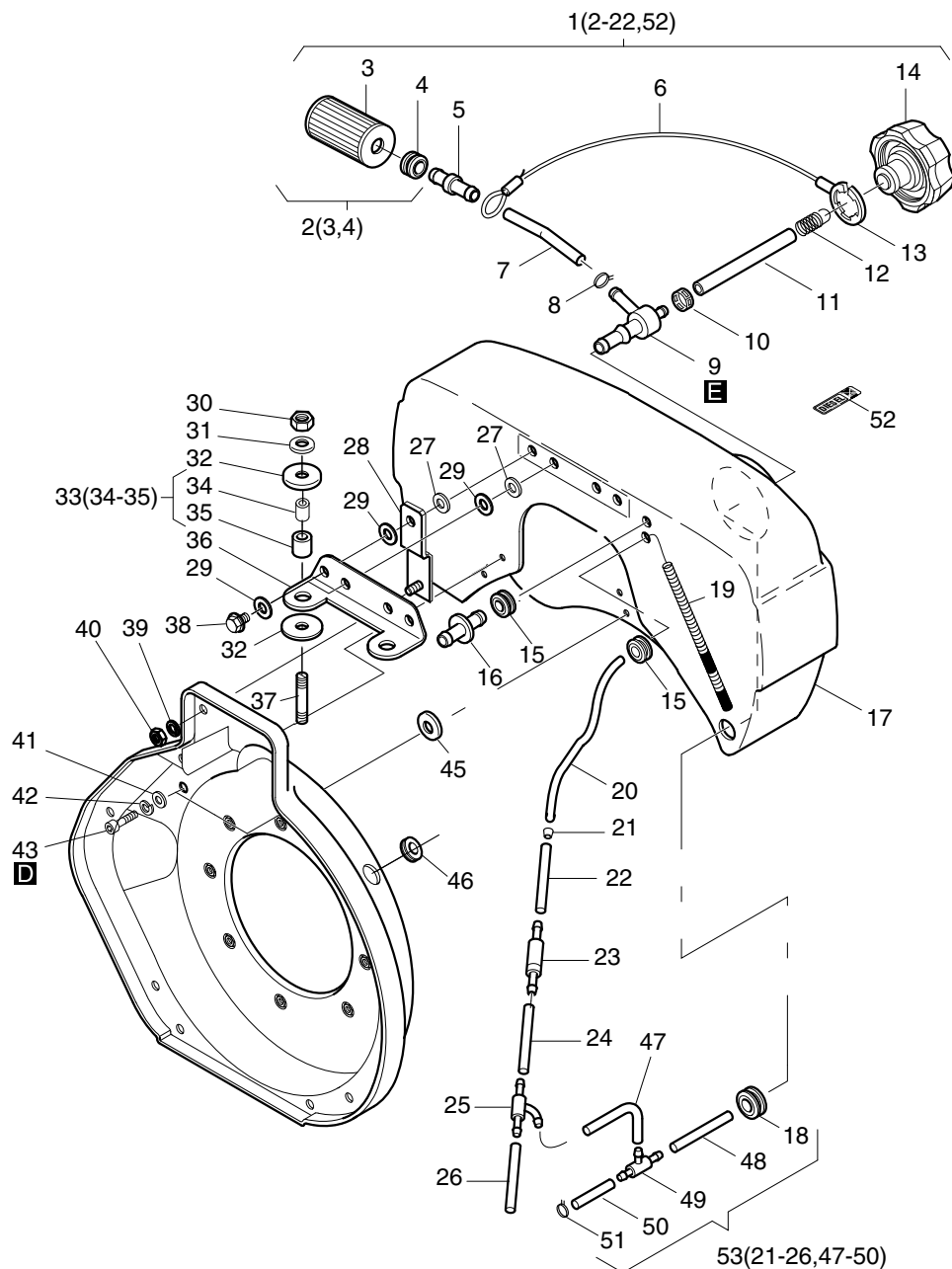


| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.         |                       | W<br>d / D | Bemerkungen<br>Notes |
|--------------|-------------------|-----------------------|-----------------------|------------|----------------------|
|              |                   | 1B40V/W<br>NON EPA IV | 1B50V/W<br>NON EPA IV |            |                      |
| 1            | 0000 013 726 00   | 1                     | 1                     |            |                      |
| 2            | 0000 051 029 00   | 1                     | 1                     |            |                      |
| 3            | 0000 042 021 00   | 1                     | 1                     |            |                      |
| 4            | 0000 042 020 00   | 1                     | 1                     |            |                      |
| 5            | 0000 013 735 00   | 1                     | 1                     |            |                      |
| 6            | 0000 013 732 00   | 1                     | 1                     |            |                      |
| 7            | -----             | -                     | -                     |            |                      |
| 8            | 0000 035 687 01   | 1                     | 1                     |            |                      |
| 9            | 0000 035 686 00   | 1                     | 1                     |            |                      |
| 10           | 0000 041 788 00   | 1                     | 1                     |            |                      |
| 11           | 0000 041 361 00   | 1                     | 1                     |            |                      |
| 13           | 0000 504 568 00   | 1                     | 1                     |            |                      |
| 14           | 0000 019 311 00   | 1                     | 1                     |            |                      |

Filter, Filtre, Filtro

# Z01a

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio

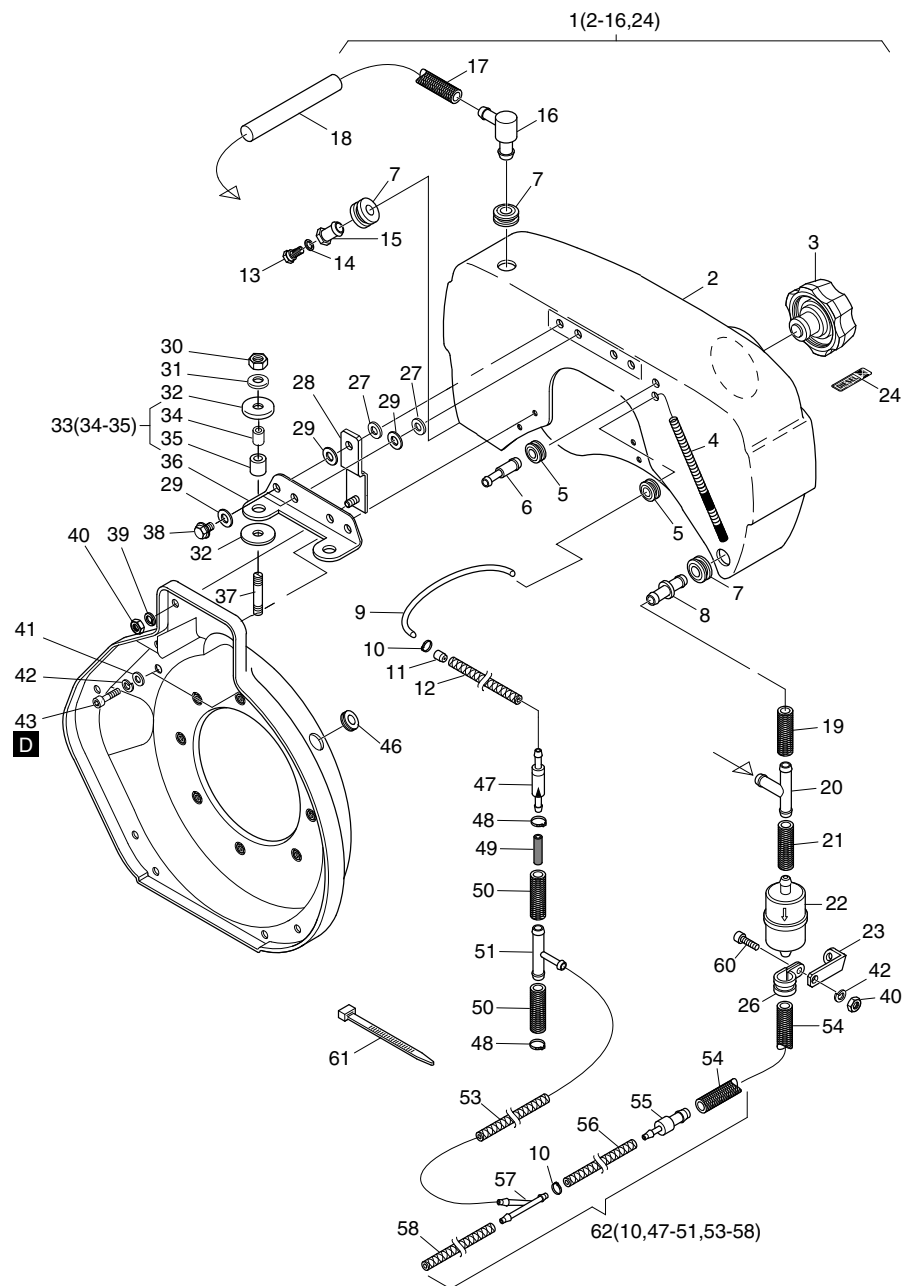


| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes     |
|--------------|-------------------|-------------------|-------------------|------------|--------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                          |
| 1            | 0000 017 025 00   | 1                 | -                 |            |                          |
| 1            | 0000 019 174 00   | -                 | 1                 |            |                          |
| 2            | 0000 016 352 00   | 1                 | 1                 |            |                          |
| 3            | -----             | -                 | -                 |            |                          |
| 4            | 0000 504 409 01   | 1                 | 1                 |            |                          |
| 5            | 0000 050 844 01   | 1                 | 1                 |            |                          |
| 6            | 0000 016 289 00   | 1                 | 1                 |            | ~440mm                   |
| 7            | 0000 053 421 00   | 1                 | 1                 |            | 7 x 280 mm               |
| 8            | 0000 505 112 01   | 1                 | 1                 |            | 14,5                     |
| 9            | 0000 016 239 10   | 1                 | 1                 |            |                          |
| 10           | 0000 504 801 00   | 1                 | 1                 |            |                          |
| 11           | 0000 051 903 00   | 1                 | 1                 |            |                          |
| 12           | 0000 504 792 00   | 1                 | 1                 |            |                          |
| 13           | 0000 504 800 00   | 1                 | 1                 |            | 20 x 1 DIN 984           |
| 14           | 0000 016 203 03   | 1                 | 1                 |            |                          |
| 15           | 0000 051 304 00   | 2                 | 2                 |            |                          |
| 16           | 0000 051 296 10   | 1                 | 1                 |            |                          |
| 17           | -----             | -                 | -                 |            |                          |
| 18           | 0000 504 408 00   | 1                 | 1                 |            |                          |
| 19           | 0000 016 485 00   | 1                 | 1                 |            | 160mm                    |
| 20           | 0000 052 051 00   | 1                 | 1                 |            |                          |
| 21           | 0000 051 265 00   | 1                 | 1                 |            |                          |
| 22           | 0000 053 276 00   | 1                 | 1                 |            | 5,0 x 120                |
| 23           | 0000 015 346 01   | 1                 | 1                 |            |                          |
| 24           | 0000 051 232 00   | 1                 | 1                 |            | 3,5 x 40                 |
| 25           | 0000 051 227 01   | 1                 | 1                 |            |                          |
| 26           | 0000 050 853 00   | 1                 | 1                 |            | 3,5 x 45                 |
| 27           | 0000 501 200 00   | 4                 | 4                 |            | A 6,4 DIN 9021-St A3C    |
| 28           | 0000 013 313 00   | 2                 | 2                 |            |                          |
| 29           | 0000 051 100 10   | 10                | 10                |            | 7,1 x 17,9 x 2           |
| 30           | 0000 400 284 00   | 2                 | 2                 |            | VM 8 DIN 980-8 C3A       |
| 31           | 0000 501 481 00   | 2                 | 2                 |            | 8,4 DIN 125-St A3C       |
| 32           | 0000 051 098 10   | 4                 | 4                 |            | 8,2 x 22 x 2             |
| 33           | 0000 016 558 00   | 2                 | 2                 |            |                          |
| 34           | -----             | -                 | -                 |            |                          |
| 35           | -----             | -                 | -                 |            |                          |
| 36           | 0000 051 701 10   | 1                 | 1                 |            | M 8 x 25 DIN 835-8.8 A3C |
| 37           | 0000 502 319 00   | 2                 | 2                 |            | M 6 x 18                 |
| 38           | 0000 015 570 00   | 4                 | 4                 |            | 6 DIN 128 - A3C          |
| 39           | 0000 501 709 00   | 2                 | 2                 |            | M 6 DIN 934 - 8 A3C      |
| 40           | 0000 501 444 00   | 2                 | 2                 |            | M 6 DIN 934 - 8 A3C      |
| 41           | 0000 501 200 00   | 4                 | 4                 |            | A 6,4 DIN 9021-St A3C    |
| 42           | 0000 501 709 00   | 4                 | 4                 |            | 6 DIN 128 - A3C          |
| 43           | 0000 501 491 00   | 4                 | 4                 |            | M 6 x 12 DIN 912-8.8A3C  |
| 45           | 0000 040 420 00   | 2                 | 2                 |            | 6,5 x 22,5 x 1           |

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio

49

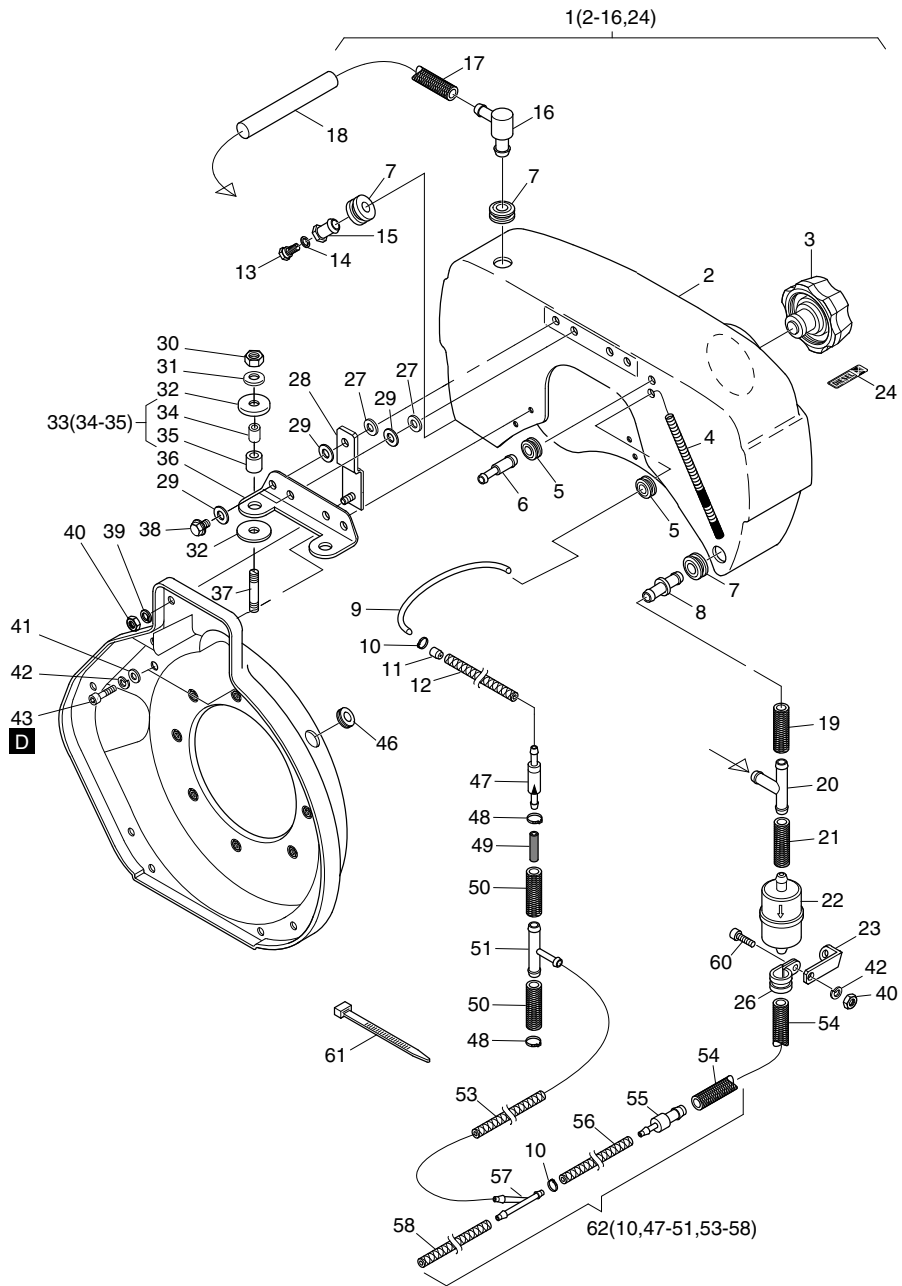
Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes     |
|--------------|-------------------|-------------------|-------------------|------------|--------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                          |
| 1            | 0000 017 384 00   | 1                 | 1                 |            |                          |
| 2            | -----             | -                 | -                 |            |                          |
| 3            | 0000 016 203 03   | 1                 | 1                 |            |                          |
| 4            | 0000 016 485 00   | 1                 | 1                 |            | 160mm                    |
| 5            | 0000 051 304 00   | 2                 | 2                 |            |                          |
| 6            | 0000 051 296 10   | 1                 | 1                 |            |                          |
| 7            | 0000 504 408 00   | 3                 | 3                 |            |                          |
| 8            | 0000 052 385 00   | 1                 | 1                 |            |                          |
| 9            | 0000 052 375 00   | 1                 | 1                 |            |                          |
| 10           | 0000 503 998 01   | 1                 | 1                 |            | 11,3                     |
| 11           | 0000 051 265 00   | 1                 | 1                 |            |                          |
| 12           | 0000 052 383 00   | 1                 | 1                 |            | 5 x 220                  |
| 13           | 0000 036 136 00   | 1                 | 1                 |            | M 6 A3C                  |
| 14           | 0000 503 131 00   | 1                 | 1                 |            | A 6 x 10 DIN 7603-Cu.    |
| 15           | 0000 051 882 00   | 1                 | 1                 |            |                          |
| 16           | 0000 017 948 10   | 1                 | 1                 |            |                          |
| 17           | 0000 053 284 00   | 1                 | 1                 |            | 7 x 600                  |
| 18           | 0000 052 726 00   | 1                 | 1                 |            | 14 x 75                  |
| 19           | 0000 053 282 00   | 1                 | 1                 |            | 7 x 85                   |
| 20           | 0000 504 406 00   | 1                 | 1                 |            |                          |
| 21           | 0000 053 283 00   | 1                 | 1                 |            | 7 x 50                   |
| 22           | 0000 504 788 00   | 1                 | 1                 |            | Filter > -6°C            |
| 22           | 0000 400 894 01   | 1                 | 1                 |            | Filter < -6°C            |
| 23           | 0000 052 301 00   | 1                 | 1                 |            |                          |
| 24           | 0000 052 356 02   | 1                 | 1                 |            | "DIESEL"                 |
| 26           | 0000 501 584 00   | 1                 | 1                 |            | 14 / 15                  |
| 27           | 0000 501 200 00   | 4                 | 4                 |            | A 6,4 DIN 9021-St A3C    |
| 28           | 0000 013 313 00   | 2                 | 2                 |            |                          |
| 29           | 0000 051 100 10   | 10                | 10                |            | 7,1 x 17,9 x 2           |
| 30           | 0000 400 284 00   | 2                 | 2                 |            | VM 8 DIN 980-8 C3A       |
| 31           | 0000 501 481 00   | 2                 | 2                 |            | 8,4 DIN 125-St A3C       |
| 32           | 0000 051 098 10   | 4                 | 4                 |            | 8,2 x 22 x 2             |
| 33           | 0000 016 558 00   | 2                 | 2                 |            |                          |
| 34           | -----             | -                 | -                 |            |                          |
| 35           | -----             | -                 | -                 |            |                          |
| 36           | 0000 051 701 10   | 1                 | 1                 |            | M 8 x 25 DIN 835-8.8 A3C |
| 37           | 0000 502 319 00   | 2                 | 2                 |            | M 6 x 18                 |
| 38           | 0000 015 570 00   | 4                 | 4                 |            | 6 DIN 128 - A3C          |
| 39           | 0000 501 709 00   | 2                 | 2                 |            | M 6 DIN 934 - 8 A3C      |
| 40           | 0000 501 444 00   | 3                 | 3                 |            | A 6,4 DIN 9021-St A3C    |
| 41           | 0000 501 200 00   | 4                 | 4                 |            | 6 DIN 128 - A3C          |
| 42           | 0000 501 709 00   | 5                 | 5                 |            | M 6 x 12 DIN 912-8.8A3C  |
| 43           | 0000 501 491 00   | 4                 | 4                 |            |                          |
| 46           | 0000 504 533 00   | 1                 | 1                 |            |                          |
| 47           | 0000 015 346 01   | 1                 | 1                 |            |                          |

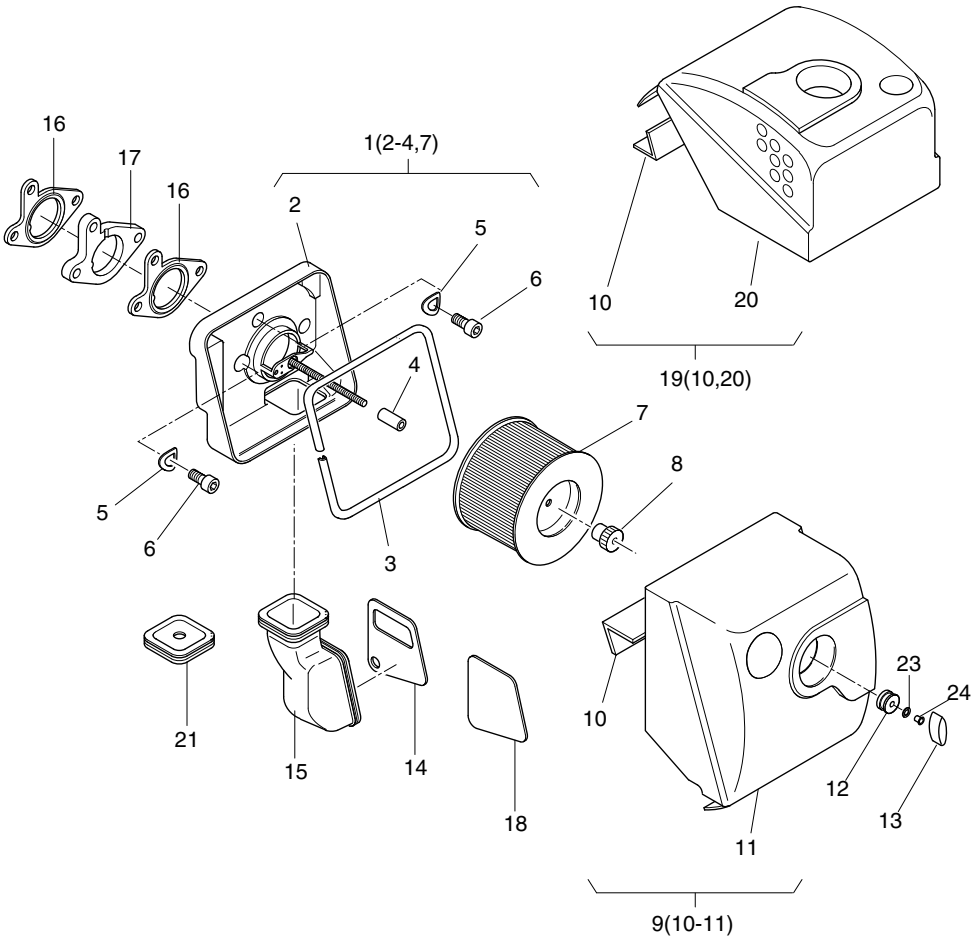
Z01b

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio

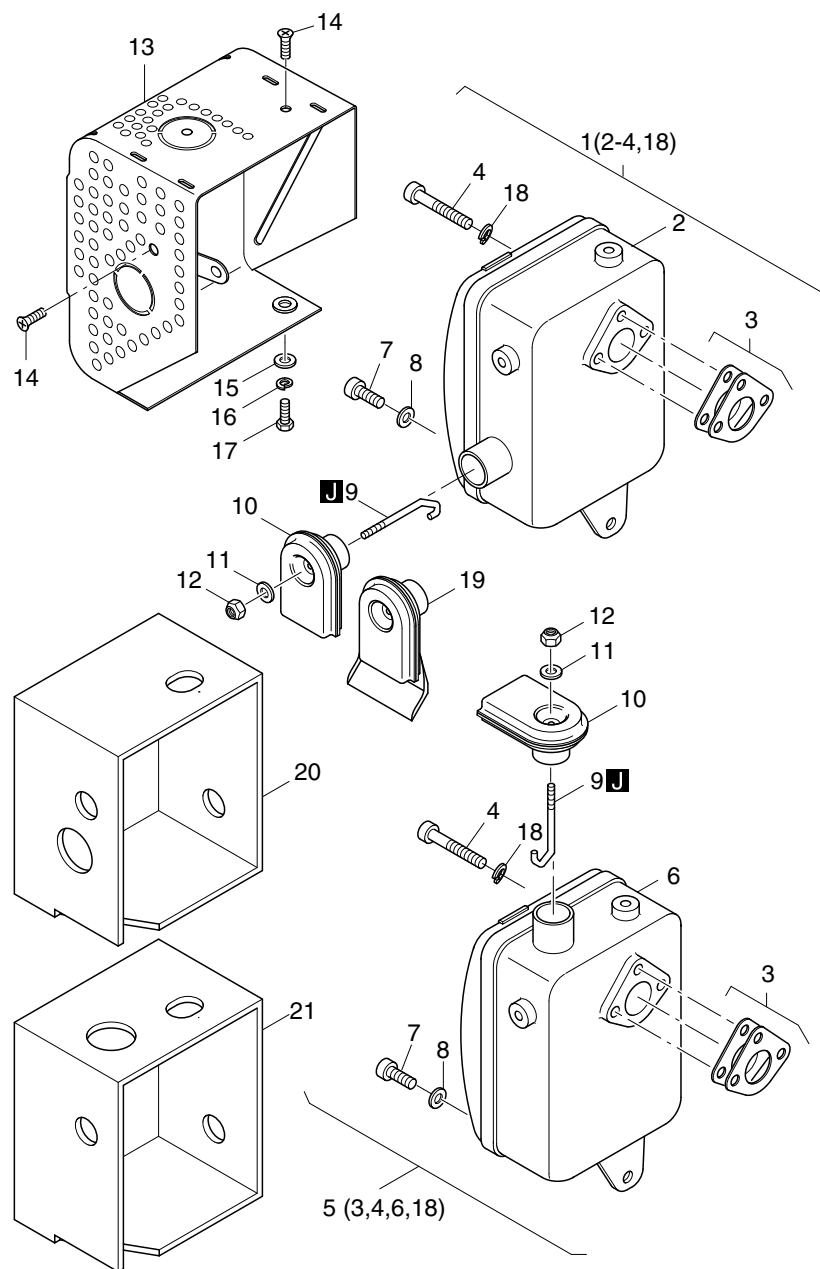


| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes    |
|--------------|-------------------|-------------------|-------------------|------------|-------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                         |
| 48           | 0000 505 709 00   | 2                 | 2                 |            | 12,8                    |
| 49           | 0000 051 628 00   | 1                 | 1                 |            | 4 x 20                  |
| 50           | 0000 053 278 00   | 2                 | 2                 |            | 7,0 x 60                |
| 51           | 0000 504 596 00   | 1                 | 1                 |            |                         |
| 53           | 0000 053 277 00   | 1                 | 1                 |            | 5,0 x 170               |
| 54           | 0000 053 281 00   | 1                 | 1                 |            | 7,0 x 160               |
| 55           | 0000 505 210 00   | 1                 | 1                 |            |                         |
| 56           | 0000 053 280 00   | 1                 | 1                 |            | 5,0 x 200               |
| 57           | 0000 051 227 01   | 1                 | 1                 |            |                         |
| 58           | 0000 050 853 00   | 1                 | 1                 |            | 3,5 x 45                |
| 60           | 0000 501 707 00   | 1                 | 1                 |            | M 6 x 16 DIN 912-8.8A3C |
| 61           | 0000 503 584 00   | 3                 | 3                 |            | 4,8 x 200 mm Black      |
| 62           | 0000 017 381 01   | 1                 | 1                 |            |                         |

Air filter  
Luftfilter  
Filtre à air  
Filtro de aire  
Filtro aria



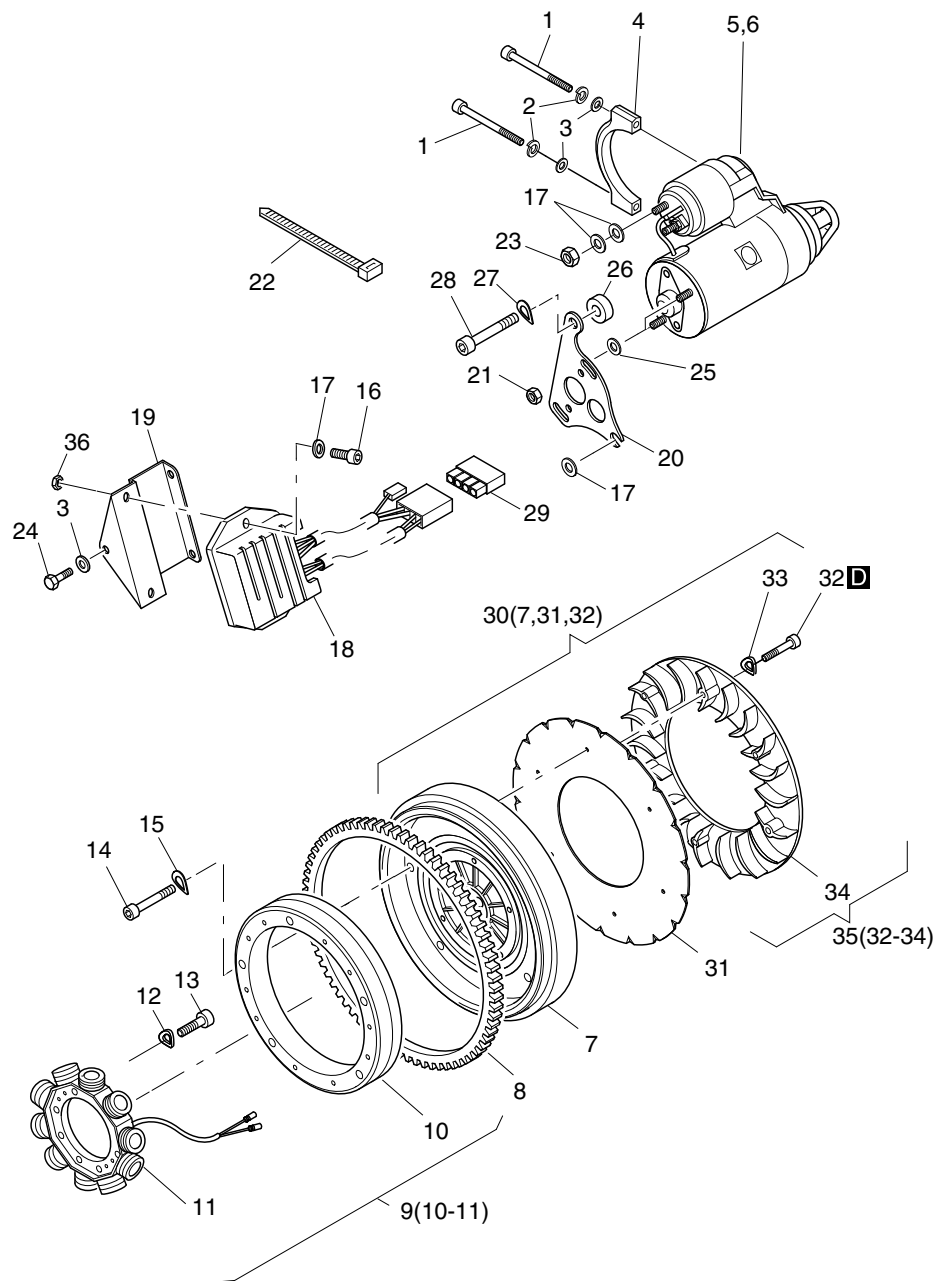
| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes    |
|--------------|-------------------|-------------------|-------------------|------------|-------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                         |
| 1            | 0000 016 374 10   | 1                 | 1                 |            |                         |
| 2            | -----             | -                 | -                 |            |                         |
| 3            | 0000 051 677 00   | 1                 | 1                 |            | 665 mm                  |
| 4            | 0000 051 662 00   | 1                 | 1                 |            | 32 mm                   |
| 5            | 0000 500 951 00   | 3                 | 3                 |            | A 8 DIN 137 A3C         |
| 6            | 0000 501 715 00   | 3                 | 3                 |            | M 8 x 25 DIN 912-8.8A3C |
| 7            | 0000 504 841 00   | 1                 | 1                 | W2         |                         |
| 8            | 0000 504 543 00   | 1                 | 1                 |            |                         |
| 9            | 0000 016 373 00   | 1                 | 1                 |            |                         |
| 10           | 0000 051 580 00   | 1                 | 1                 |            | 180 mm                  |
| 11           | -----             | -                 | -                 |            |                         |
| 12           | 0000 504 358 00   | 1                 | 1                 |            |                         |
| 13           | 0000 504 522 00   | 1                 | 1                 |            | M 6                     |
| 14           | 0000 041 508 00   | 0... 1            | 0... 1            |            |                         |
| 15           | 0000 041 468 00   | 0... 1            | 0... 1            |            |                         |
| 16           | 0000 051 499 00   | 2                 | 2                 | d2         |                         |
| 17           | 0000 016 958 00   | 1                 | 1                 |            |                         |
| 18           | 0000 042 152 00   | 0... 1            | 0... 1            |            |                         |
| 19           | 0000 016 911 00   | 1                 | -                 |            |                         |
| 20           | -----             | -                 | -                 |            |                         |
| 21           | 0000 042 153 00   | 0... 1            | 0... 1            |            |                         |
| 23           | 0000 505 915 00   | 1                 | 1                 |            | 9 x 15 x 1,0 DIN 988    |
| 24           | 0000 505 916 00   | 1                 | 1                 |            | 8 x 0,5 x 12 DIN 7340   |



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes         |
|--------------|------------------------|-------------------|-------------------|------------|------------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                              |
| 1            | 0000 <b>016 825 01</b> | 1                 | 1                 |            |                              |
| 2            | -----                  | -                 | -                 |            |                              |
| 3            | 0000 <b>017 327 01</b> | 1                 | 1                 | d1         |                              |
| 4            | 0000 <b>504 039 00</b> | 3                 | 3                 |            | M 8 x 25 DIN 912-8.8C4P      |
| 5            | 0000 <b>017 016 01</b> | 1                 | 1                 |            |                              |
| 6            | -----                  | -                 | -                 |            |                              |
| 7            | 0000 <b>504 742 00</b> | 1                 | 1                 |            | M6x16 DIN912-8.8 A3C Tuf.360 |
| 8            | 0000 <b>501 143 00</b> | 1                 | 1                 |            | 6,4 x 17 x 3 DIN 7349 A3C    |
| 9            | 0000 <b>051 779 00</b> | 1                 | 1                 |            | M 6                          |
| 10           | 0000 <b>016 556 01</b> | 1                 | 1                 |            |                              |
| 11           | 0000 <b>501 445 00</b> | 1                 | 1                 |            | 6,4 DIN 125-St A3C           |
| 12           | 0000 <b>400 283 00</b> | 1                 | 1                 |            | VM 6 DIN 980 C3P             |
| 13           | 0000 <b>016 290 01</b> | 1                 | 1                 |            |                              |
| 14           | 0000 <b>504 225 01</b> | 2                 | 2                 |            | M 6 x 12 DIN 7991 - 8.8 A3C  |
| 15           | 0000 <b>501 143 00</b> | 1                 | 1                 |            | 6,4 x 17 x 3 DIN 7349 A3C    |
| 16           | 0000 <b>501 709 00</b> | 1                 | 1                 |            | 6 DIN 128 - A3C              |
| 17           | 0000 <b>501 771 00</b> | 1                 | 1                 |            | M 6 x 16 DIN 933-8.8 A3C     |
| 18           | 0000 <b>502 085 00</b> | 3                 | 3                 |            | 8 DIN 128 A3C                |
| 19           | 0000 <b>017 074 01</b> | 1                 | -                 |            |                              |
| 20           | 0000 <b>018 835 02</b> | 0... 1            | 0... 1            |            | "SILENT"                     |
| 21           | 0000 <b>018 836 02</b> | 0... 1            | 0... 1            |            | "SILENT"                     |

# Z05a

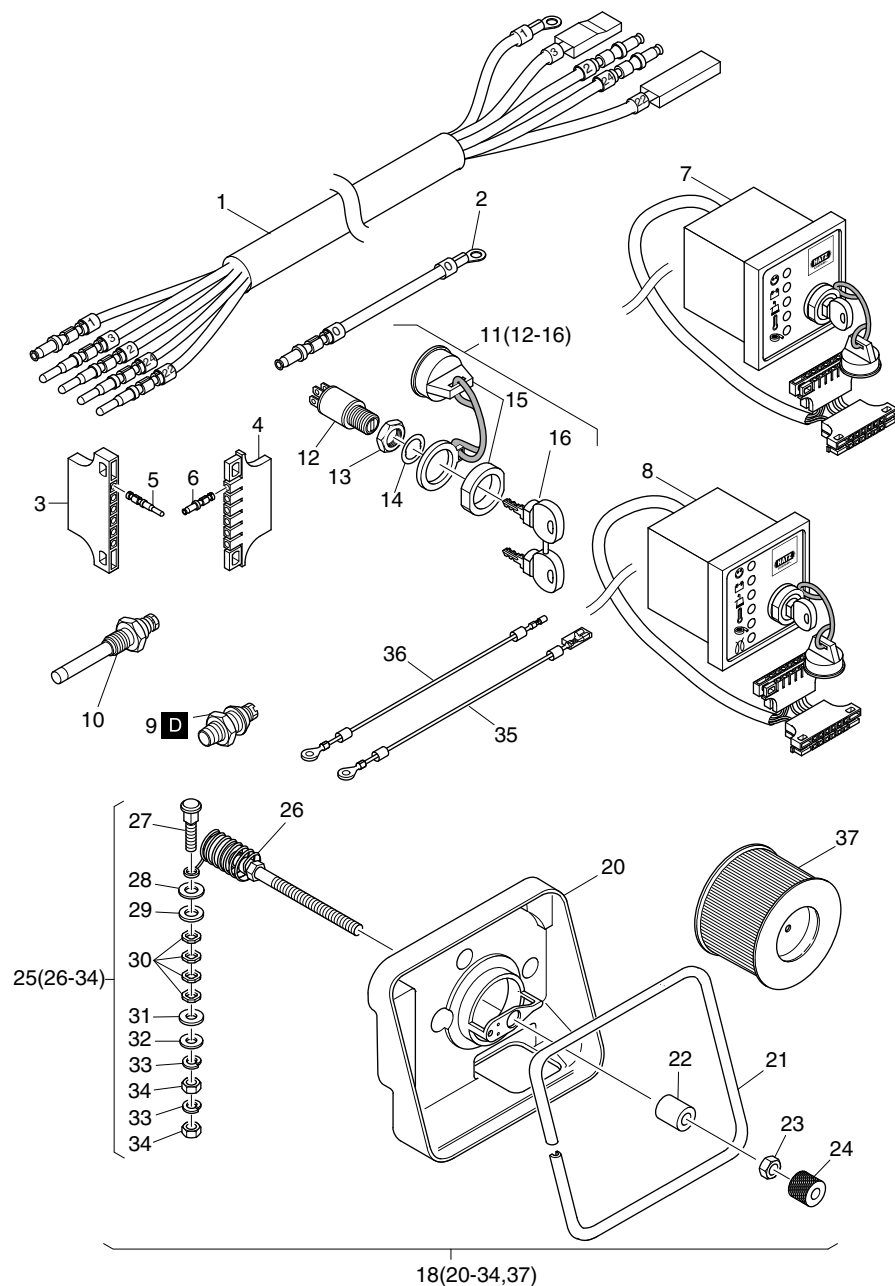
Starter, alternator  
 Starter, Generator  
 Démarreur, alternateur  
 Arrancador, alternador  
 Motorino avviamento, alternatore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes            |
|--------------|------------------------|-------------------|-------------------|------------|---------------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                                 |
| 1            | 0000 <b>504 023 00</b> | 2                 | 2                 |            | M 6 x 70 DIN 912-8.8A3C         |
| 2            | 0000 <b>501 709 00</b> | 2                 | 2                 |            | 6 DIN 128 - A3C                 |
| 3            | 0000 <b>501 445 00</b> | 3                 | 3                 |            | 6,4 DIN 125-St A3C              |
| 4            | 0000 <b>040 991 00</b> | 1                 | 1                 |            |                                 |
| 5            | 0000 <b>505 246 00</b> | 1                 | 1                 |            | 12V 1,2kW                       |
| 6            | 0000 <b>505 127 00</b> | 1                 | 1                 |            | 24V 1,6 kW                      |
| 7            | 0000 <b>042 347 00</b> | -                 | 1                 |            | E-Start                         |
| 8            | 0000 <b>041 511 00</b> | 1                 | 1                 |            |                                 |
| 9            | 0000 <b>019 261 00</b> | 1                 | 1                 |            | 12V - 200 W                     |
| 9            | 0000 <b>019 262 00</b> | 1                 | 1                 |            | 24V - 280 W                     |
| 10           | -----                  | -                 | -                 |            |                                 |
| 11           | -----                  | -                 | -                 |            |                                 |
| 12           | 0000 <b>500 819 00</b> | 4                 | 4                 |            | A 5 DIN 137 A3C                 |
| 13           | 0000 <b>505 470 00</b> | 4                 | 4                 |            | M 5 x 25 DIN 912 - 8.8 A3C Tuf. |
| 14           | 0000 <b>502 366 00</b> | 5                 | 5                 |            | M 6 x 25 DIN 6912-8.8 A3C       |
| 15           | 0000 <b>500 812 00</b> | 5                 | 5                 |            | A 6 DIN 137 - A3C               |
| 16           | 0000 <b>501 830 00</b> | 2                 | 2                 |            | M 8 x 35 DIN 912-8.8A3C         |
| 17           | 0000 <b>501 481 00</b> | 6                 | 6                 |            | 8,4 DIN 125-St A3C              |
| 18           | 0000 <b>019 838 00</b> | 1                 | 1                 |            | 12 V                            |
| 18           | 0000 <b>019 839 00</b> | 1                 | 1                 |            | 24 V                            |
| 19           | 0000 <b>016 630 00</b> | 1                 | 1                 |            |                                 |
| 20           | 0000 <b>051 829 12</b> | 1                 | 1                 |            |                                 |
| 21           | 0000 <b>506 024 00</b> | 2                 | 2                 |            | M 6 DIN 982 - 8 A3B             |
| 22           | 0000 <b>504 395 00</b> | 3                 | 3                 |            | 2,6 x 200 mm Black              |
| 23           | 0000 <b>503 447 00</b> | 1                 | 1                 |            | M 8 DIN 936 - 5 A3C             |
| 24           | 0000 <b>500 254 00</b> | 1                 | 1                 |            | M 6 x 10 DIN 933 - 8.8 A3C      |
| 25           | 0000 <b>501 200 00</b> | 2                 | 2                 |            | A 6,4 DIN 9021-St A3C           |
| 26           | 0000 <b>037 141 00</b> | 1                 | 1                 |            | 9 x 18 x 7                      |
| 27           | 0000 <b>500 951 00</b> | 1                 | 1                 |            | A 8 DIN 137 A3C                 |
| 28           | 0000 <b>503 929 00</b> | 1                 | 1                 |            | M 8 x 50 DIN 912-8.8A3C         |
| 29           | 0000 <b>504 021 00</b> | 1                 | 1                 |            | 4-P.                            |
| 30           | 0000 <b>018 991 00</b> | 1                 | -                 |            |                                 |
| 31           | 0000 <b>013 908 00</b> | 1                 | 1                 |            |                                 |
| 32           | 0000 <b>503 273 00</b> | 6                 | 6                 |            | M 4 x 20 DIN 912-8.8 A3C        |
| 33           | 0000 <b>500 034 00</b> | 6                 | 6                 |            | A 4 DIN 137 - ST                |
| 34           | -----                  | -                 | -                 |            |                                 |
| 35           | 0000 <b>019 343 00</b> | 1                 | 1                 |            |                                 |
| 36           | 0000 <b>505 141 00</b> | 2                 | 2                 |            | M6 DIN 935-8 A3C                |

# Z05b, Z10, Z11

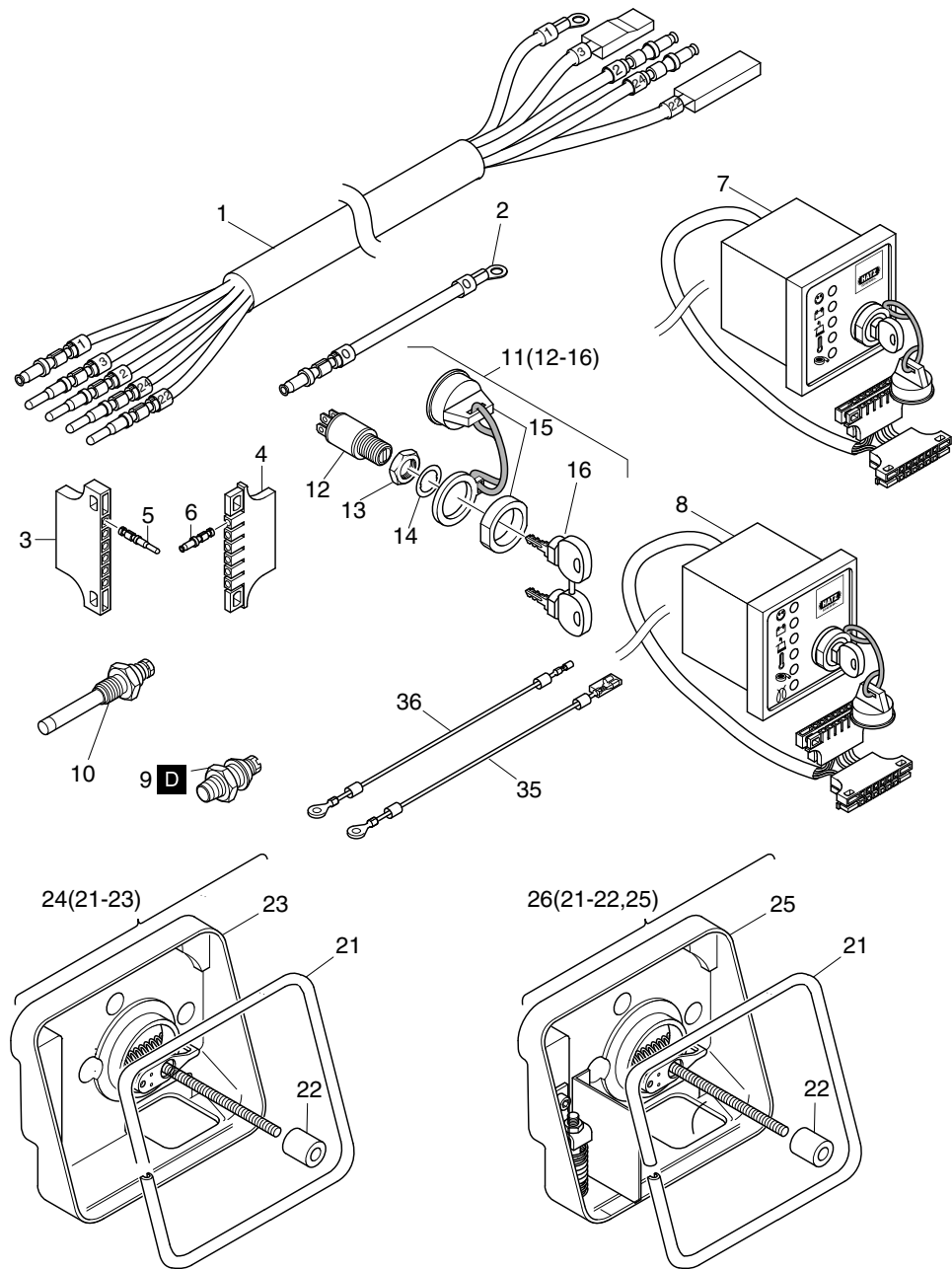
Electric equipment, wirings  
Armaturenkasten, Leitungen  
Equipement électrique, cable  
Cuadro de mando, cables  
Cruscotto, cablaggio



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     | W<br>d / D | Bemerkungen<br>Notes      |
|--------------|-------------------|-------------------|------------|---------------------------|
|              |                   | 1B40V/W<br>EPA IV |            |                           |
| 1            | 0000 016 670 01   | 1                 |            |                           |
| 2            | 0000 015 483 00   | 1                 |            | (0)                       |
| 3            | 0000 503 736 00   | 1                 |            |                           |
| 4            | 0000 503 737 00   | 1                 |            |                           |
| 5            | 0000 503 741 00   | 5                 |            | 0,5 - 1,0                 |
| 6            | 0000 503 739 00   | 6                 |            | 1,5 - 2,5                 |
| 7            | 0000 015 518 03   | 1                 |            | 12 V, A 1                 |
| 8            | 0000 015 589 01   | 1                 |            | 12 V / 24 V, Aut.         |
| 9            | 0000 504 691 01   | 0... 1            |            | OIL 0,3 - 0,6 bar         |
| 9            | 0000 506 044 01   | 0... 1            |            | OIL 1,20 - 1,80 bar (Gen) |
| 10           | 0000 502 686 00   | 1                 |            | TEMP. 12-24V              |
| 11           | 0000 505 995 00   | 1                 |            |                           |
| 12           | -----             | -                 |            |                           |
| 13           | -----             | -                 |            |                           |
| 14           | -----             | -                 |            |                           |
| 15           | 0000 506 009 00   | 1                 |            |                           |
| 16           | 0000 506 008 00   | 1                 |            | Nr. 607                   |
| 17           | 0000 051 264 02   | 1                 |            |                           |
| 18           | 0000 017 151 12   | 1                 |            | 12 V                      |
| 18           | 0000 017 453 11   | 1                 |            | 24 V                      |
| 20           | -----             | -                 |            |                           |
| 21           | 0000 051 677 00   | 1                 |            | 665 mm                    |
| 22           | 0000 041 192 00   | 1                 |            | 6,5 x 13 x 15             |
| 23           | 0000 501 444 00   | 1                 |            | M 6 DIN 934 - 8 A3C       |
| 24           | 0000 501 496 00   | 1                 |            |                           |
| 25           | 0000 017 474 00   | 1                 |            | 12V                       |
| 25           | 0000 017 569 00   | 1                 |            | 24V                       |
| 26           | -----             | -                 |            |                           |
| 27           | 0000 050 401 00   | 1                 |            |                           |
| 28           | 0000 501 445 00   | 1                 |            | 6,4 DIN 125-St A3C        |
| 29           | 0000 504 128 01   | 1                 |            | 6,5                       |
| 30           | 0000 504 126 00   | 4                 |            |                           |
| 31           | 0000 504 127 00   | 1                 |            |                           |
| 32           | 0000 502 163 00   | 1                 |            | 5,3 DIN 125-St A3C        |
| 33           | 0000 500 026 00   | 2                 |            | 5 DIN 128 - A3C           |
| 34           | 0000 500 943 00   | 2                 |            | M 5 DIN 934-8 A3C         |
| 35           | 0000 017 152 00   | 0... 1            |            | (6) 400 mm                |
| 36           | 0000 017 153 00   | 0... 1            |            | (6) 430 mm                |
| 37           | 0000 504 841 00   | 1                 |            |                           |

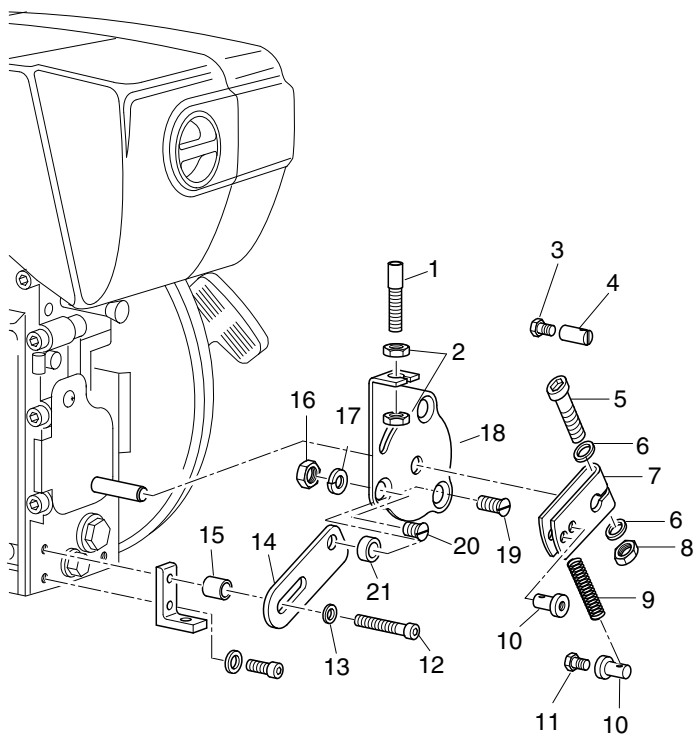
Z05c, Z10, Z11

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



| Fig.-<br>No.      | HATZ<br>Ident-No. | Stück<br>Qty. | W<br>d / D | Bemerkungen<br>Notes      |
|-------------------|-------------------|---------------|------------|---------------------------|
| 1B50V/W<br>EPA IV |                   |               |            |                           |
| 1                 | 0000 016 670 01   | 1             |            |                           |
| 2                 | 0000 015 483 00   | 1             |            | (0)                       |
| 3                 | 0000 503 736 00   | 1             |            |                           |
| 4                 | 0000 503 737 00   | 1             |            |                           |
| 5                 | 0000 503 741 00   | 5             |            | 0,5 - 1,0                 |
| 6                 | 0000 503 739 00   | 6             |            | 1,5 - 2,5                 |
| 7                 | 0000 015 518 03   | 1             |            | 12 V, A 1                 |
| 8                 | 0000 015 589 01   | 1             |            | 12 V / 24 V, Aut.         |
| 9                 | 0000 504 691 01   | 0... 1        |            | OIL 0,3 - 0,6 bar         |
| 9                 | 0000 506 044 01   | 0... 1        |            | OIL 1,20 - 1,80 bar (Gen) |
| 10                | 0000 502 686 00   | 1             |            | TEMP. 12-24V              |
| 11                | 0000 505 995 00   | 1             |            |                           |
| 12                | -----             | -             |            |                           |
| 13                | -----             | -             |            |                           |
| 14                | -----             | -             |            |                           |
| 15                | 0000 506 009 00   | 1             |            |                           |
| 21                | 0000 051 677 00   | 1             |            | 665 mm                    |
| 22                | 0000 051 662 00   | 1             |            | 32 mm                     |
| 23                | -----             | -             |            |                           |
| 24                | 0000 022 774 00   | 1             |            | 12V                       |
| 25                | -----             | -             |            |                           |
| 26                | 0000 022 783 00   | 1             |            | 24V                       |
| 35                | 0000 017 152 00   | 0... 1        |            | (6) 400 mm                |
| 36                | 0000 017 153 00   | 0... 1        |            | (6) 430 mm                |

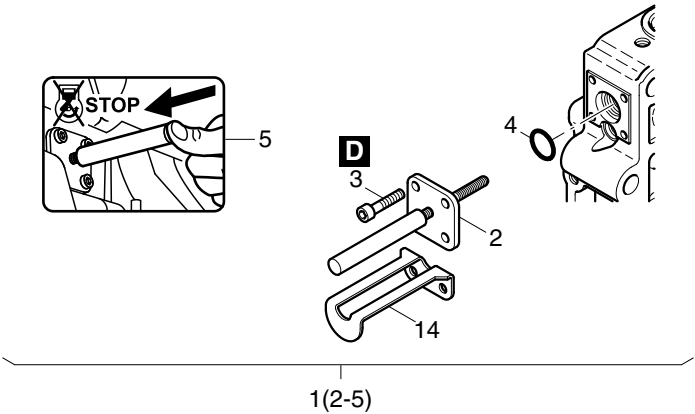
Speed control - bowdencable  
 Drehzahlverstellung Bowdenzug  
 Reglage regime - bowden  
 Ajuste de revoluciones - bowden  
 Comando acceleratore - bowden



| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes       |
|--------------|------------------------|-------------------|-------------------|------------|----------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                            |
| 1            | 0000 <b>051 412 00</b> | 1                 | 1                 |            | M 6                        |
| 2            | 0000 <b>501 444 00</b> | 2                 | 2                 |            | M 6 DIN 934 - 8 A3C        |
| 3            | 0000 <b>500 250 00</b> | 1                 | 1                 |            | M 4 x 10 DIN 933-8.8 A3C   |
| 4            | 0000 <b>504 830 00</b> | 1                 | 1                 |            | 2,2 NR. 1120               |
| 5            | 0000 <b>505 119 00</b> | 1                 | 1                 |            | M 5 x 30 DIN 912-8.8 A3C   |
| 6            | 0000 <b>502 163 00</b> | 2                 | 2                 |            | 5,3 DIN 125-St A3C         |
| 7            | 0000 <b>051 177 00</b> | 1                 | 1                 |            |                            |
| 8            | 0000 <b>500 943 00</b> | 1                 | 1                 |            | M 5 DIN 934-8 A3C          |
| 9            | 0000 <b>504 846 00</b> | 1                 | 1                 |            | 1,0 x 33mm                 |
| 10           | 0000 <b>504 831 00</b> | 2                 | 2                 |            | 2,2 NR. 1450               |
| 11           | 0000 <b>500 250 00</b> | 1                 | 1                 |            | M 4 x 10 DIN 933-8.8 A3C   |
| 12           | 0000 <b>503 424 00</b> | 1                 | 1                 |            | M 8 x 50 DIN 6912-8.8 A3C  |
| 13           | 0000 <b>501 481 00</b> | 1                 | 1                 |            | 8,4 DIN 125-St A3C         |
| 14           | 0000 <b>051 896 00</b> | 1                 | 1                 |            |                            |
| 15           | 0000 <b>035 997 00</b> | 1                 | 1                 |            | 8,5 x 13 x 14,5            |
| 16           | 0000 <b>503 283 00</b> | 1                 | 1                 |            | VM 6 DIN 980-8 A3C         |
| 17           | 0000 <b>502 085 00</b> | 1                 | 1                 |            | 8 DIN 128 A3C              |
| 18           | 0000 <b>051 176 10</b> | 1                 | 1                 |            |                            |
| 19           | 0000 <b>504 239 00</b> | 1                 | 1                 |            | M 6 x 20 DIN 7991-10.9 A3C |
| 20           | 0000 <b>503 808 00</b> | 1                 | 1                 |            | M 6 x 10 DIN 7991 -8.8 A3C |
| 21           | 0000 <b>032 929 00</b> | 1                 | 1                 |            | 8,2 x 11 x 12              |

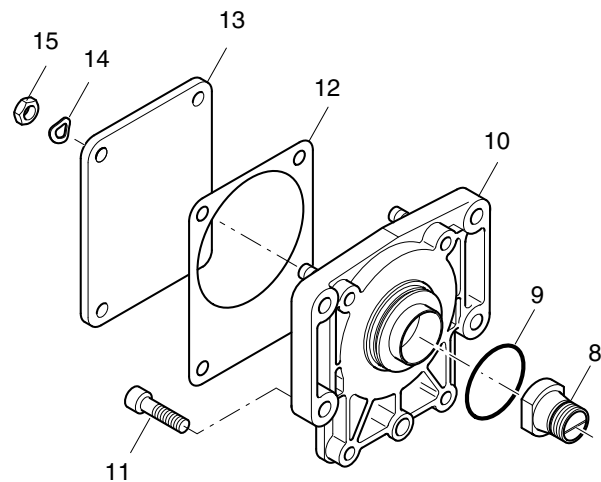
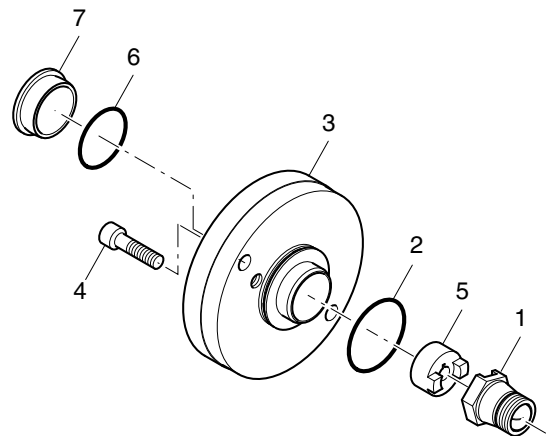
Z09b

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



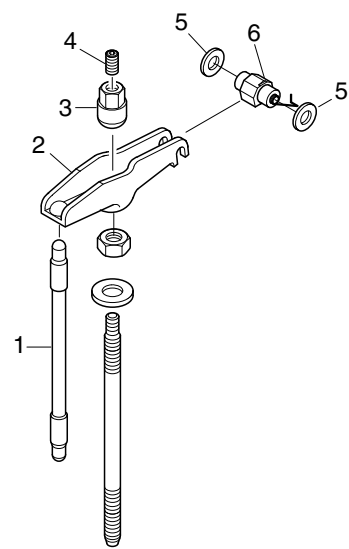
| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes          |
|--------------|-------------------|-------------------|-------------------|------------|-------------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                               |
| 1            | 0000 017 864 01   | 1                 | 1                 |            |                               |
| 2            | -----             | -                 | -                 |            |                               |
| 3            | 0000 504 469 00   | 4                 | 4                 |            | M 4 x 16 DIN 912-8.8 A3C Tuf. |
| 4            | 0000 503 290 00   | 1                 | 1                 |            | 9,5 x 2,5                     |
| 5            | 0000 052 213 01   | 1                 | 1                 |            | Hinweisschild                 |
| 7            | 0000 017 861 01   | 1                 | 1                 |            | 12V                           |
| 7            | 0000 017 863 01   | 1                 | 1                 |            | 24V                           |
| 8            | -----             | -                 | -                 |            |                               |
| 10           | 0000 015 482 01   | 1                 | 1                 |            |                               |
| 12           | 0000 400 215 00   | 1                 | 1                 |            | 0,5 / 0,3 x 200               |
| 13           | 0000 400 214 00   | 1                 | 1                 |            | 8 mm ø                        |
| 14           | 0000 053 072 00   | 1                 | 1                 |            |                               |

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



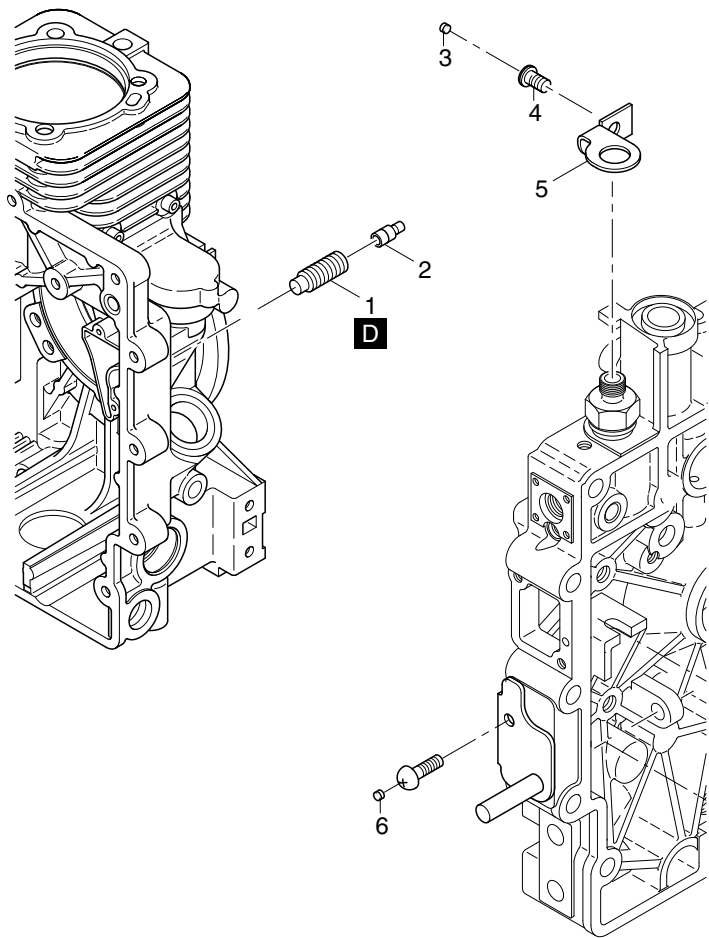
| Fig.-<br>No. | HATZ<br>Ident-No.      | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes      |
|--------------|------------------------|-------------------|-------------------|------------|---------------------------|
|              |                        | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                           |
| 1            | 0000 <b>015 581 00</b> | 1                 | 1                 |            |                           |
| 2            | 0000 <b>504 545 00</b> | 1                 | 1                 |            | 44 x 1,5                  |
| 3            | 0000 <b>052 122 00</b> | 1                 | 1                 |            | (BOSCH)                   |
| 4            | 0000 <b>501 759 00</b> | 2                 | 2                 |            | M 8 x 30 DIN 912-8.8A3C   |
| 5            | 0000 <b>051 147 00</b> | 1                 | 1                 |            |                           |
| 6            | 0000 <b>502 882 00</b> | 1                 | 1                 |            | 32 x 2,5                  |
| 7            | 0000 <b>501 631 01</b> | 1                 | 1                 |            | F 25 ø 31,8               |
| 8            | 0000 <b>015 580 00</b> | 1                 | 1                 |            |                           |
| 9            | 0000 <b>504 545 00</b> | 1                 | 1                 |            | 44 x 1,5                  |
| 10           | 0000 <b>016 909 01</b> | 1                 | 1                 |            | (BOSCH)                   |
| 11           | 0000 <b>504 943 00</b> | 4                 | 4                 |            | M 8 x 20 DIN 912-8.8 Tuf. |
| 12           | 0000 <b>035 680 00</b> | 1                 | 1                 |            |                           |
| 13           | 0000 <b>037 616 00</b> | 1                 | 1                 |            |                           |
| 14           | 0000 <b>500 951 00</b> | 4                 | 4                 |            | A 8 DIN 137 A3C           |
| 15           | 0000 <b>501 480 00</b> | 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. | Stück<br>Qty. | W<br>d / D | Bemerkungen<br>Notes |
|-------------------|-------------------|---------------|------------|----------------------|
| 1B40V/W<br>EPA IV |                   |               |            |                      |
| 1                 | 0000 013 740 00   | 2             |            |                      |
| 2                 | 0000 051 467 01   | 2             |            |                      |
| 3                 | 0000 050 547 00   | 2             |            |                      |
| 4                 | 0000 505 131 00   | 2             |            | M 8 x 10 DIN 916-45H |
| 5                 | 0000 052 407 00   | 0... 4        |            | 6 x 12 x 1,35        |
| 5                 | 0000 504 451 00   | 0... 4        |            | 6 x 12 x 1,2 DIN 988 |
| 6                 | 0000 017 760 00   | 2             |            |                      |

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



| Fig.-<br>No. | HATZ<br>Ident-No. | Stück<br>Qty.     |                   | W<br>d / D | Bemerkungen<br>Notes       |
|--------------|-------------------|-------------------|-------------------|------------|----------------------------|
|              |                   | 1B40V/W<br>EPA IV | 1B50V/W<br>EPA IV |            |                            |
| 1            | 0000 041 988 00   | 1                 | 1                 |            |                            |
| 2            | 0000 041 505 00   | 1                 | 1                 |            | 6                          |
| 3            | 0000 041 706 00   | 1                 | 1                 |            | 4,15                       |
| 4            | 0000 504 950 00   | 1                 | 1                 |            | M 6 x 12 DIN 7380-10.9 A3C |
| 5            | 0000 041 853 01   | 1                 | 1                 |            |                            |
| 6            | 0000 052 015 00   | 1                 | 1                 |            | 3                          |

|                       |                |                                   |                                      |                                    |
|-----------------------|----------------|-----------------------------------|--------------------------------------|------------------------------------|
| 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          |

|     |                |                                   |                                        |                                    |
|-----|----------------|-----------------------------------|----------------------------------------|------------------------------------|
| 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                 |



## HATZ service network

|     |             |                                        |                                        |                                   |
|-----|-------------|----------------------------------------|----------------------------------------|-----------------------------------|
| 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             |

## HATZ service network



|     |               |                             |                                     |                                    |
|-----|---------------|-----------------------------|-------------------------------------|------------------------------------|
| 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                               | Morettau 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.                          | +35-4-5672520                      |

## 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                    |



## HATZ service network

|     |             |                               |                                    |                                     |
|-----|-------------|-------------------------------|------------------------------------|-------------------------------------|
| 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   |

## HATZ service network



|     |                   |                               |                                            |                                    |
|-----|-------------------|-------------------------------|--------------------------------------------|------------------------------------|
| 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.**

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|                 |                 |        |
|-----------------|-----------------|--------|
| 1 B 40.V / W.10 | 1 B 40.V / W.11 | 01.613 |
| 1 B 40 V / W.11 | 1 B 40 V / W.12 | 03.627 |
| 1 B 40 V / W.12 | 1 B 40 V / W.13 | 05.648 |
| 1 B 40 V / W 13 | 1 B 40 V / W 14 | 06.658 |
| 1 B 40 V / W 14 | 1 B 40 V / W 15 | 10.694 |
| 1 B 40 V / W 15 | 1 B 40 V / W 16 | 11.706 |
| 1 B 40 V / W 16 | 1 B 40 V / W 17 | 13.709 |
| 1 B 40 V / W 17 | 1 B 40 V / W 18 | 13.712 |
| 1 B 40 V / W 18 | 1 B 40 V / W 19 | 13.714 |
| 1 B 50 V / W 10 | 1 B 50 V / W 11 | 07.669 |
| 1 B 50 V / W 11 | 1 B 50 V / W 12 | 10.695 |
| 1 B 50 V / W 12 | 1 B 50 V / W 13 | 11.706 |
| 1 B 50 V / W 13 | 1 B 50 V / W 14 | 13.709 |
| 1 B 50 V / W 14 | 1 B 50 V / W 15 | 13.712 |
| 1 B 50 V / W 15 | 1 B 50 V / W 16 | 13.714 |