

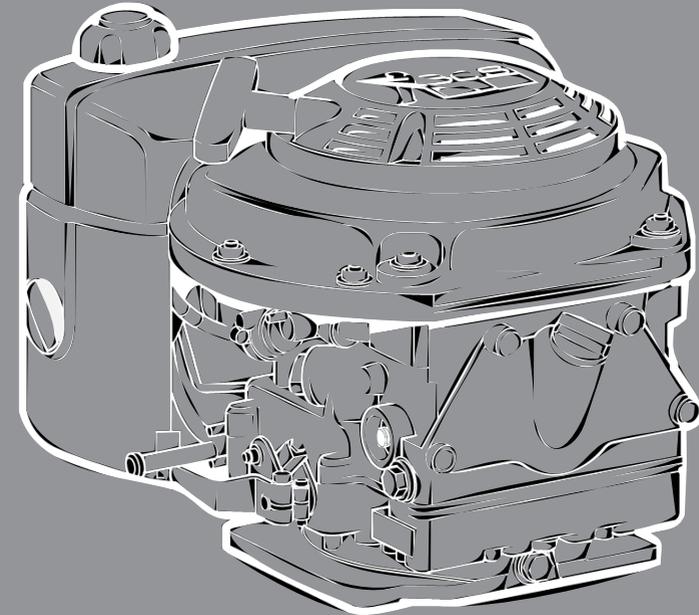
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CREATING POWER SOLUTIONS.



1B40V.17-18
1B50V.14-15



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 ⁻¹

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

EMISSION CONTROL INFORMATION MOTORENFABRIK HATZ KG · D-94099 RÜHSTORF ENG.FAM. MADE IN GERMANY minP/H			
TYPE / SPEC. / FDT			
①	SERIAL NO. Liter / PV		
②	MIN ⁻¹	NH / KW	BUILD DATE
③	<small>This engine conforms to LM U.S. EPA regulations large normal compression-ignition engines and MY California regulation for off-road compression-ignition engines. Refer to Owner's manual for maintenance specifications and adjustments.</small>		
EC-TYPE NO.			
<input type="checkbox"/> CONSTANT-SPEED ONLY <input type="checkbox"/> VARIABLE SPEED			

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

1 B 40V/W.17 EPA IV	<input type="checkbox"/>	(117 17)
1 B 40V/W.18 EPA IV	<input type="checkbox"/>	(117 18)
1 B 50V/W.14 EPA IV	<input type="checkbox"/>	(126 14)
1 B 50V/W.15 EPA IV	<input type="checkbox"/>	(126 15)

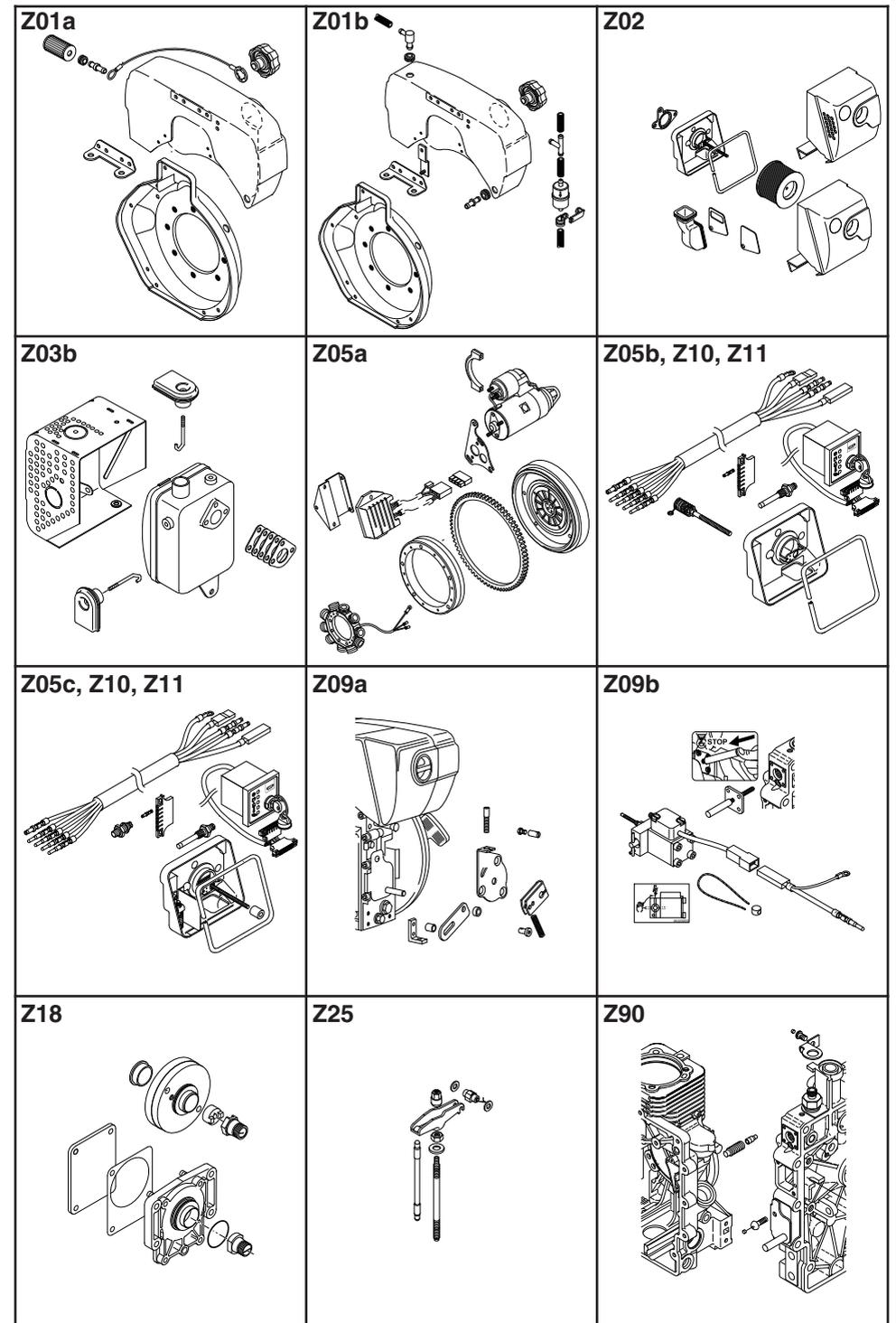
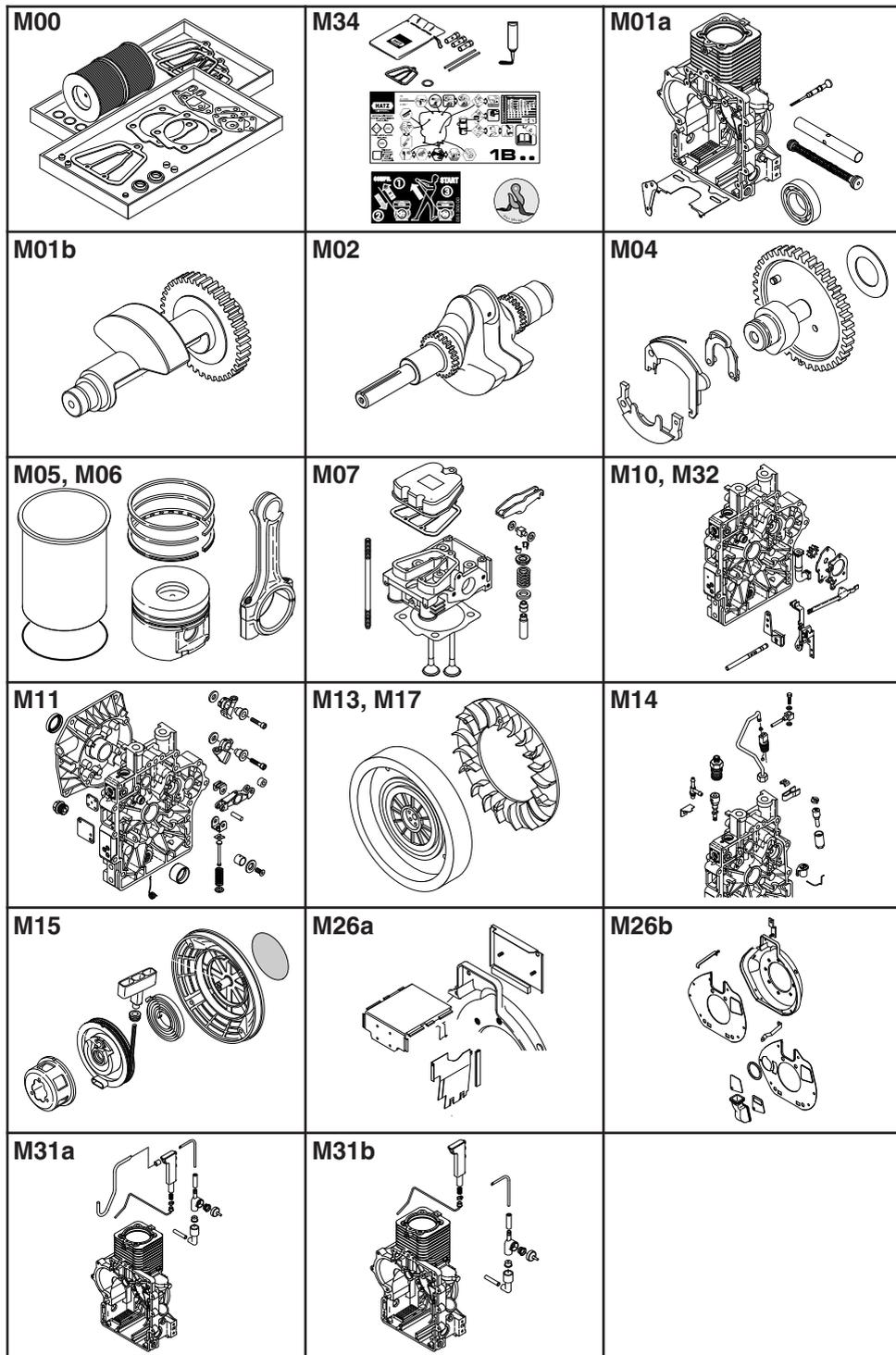
Beispiel: / Example: / Exemple: / Ejemplo: / Esempio: **117 19 14 123456**

←	←	←	←
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

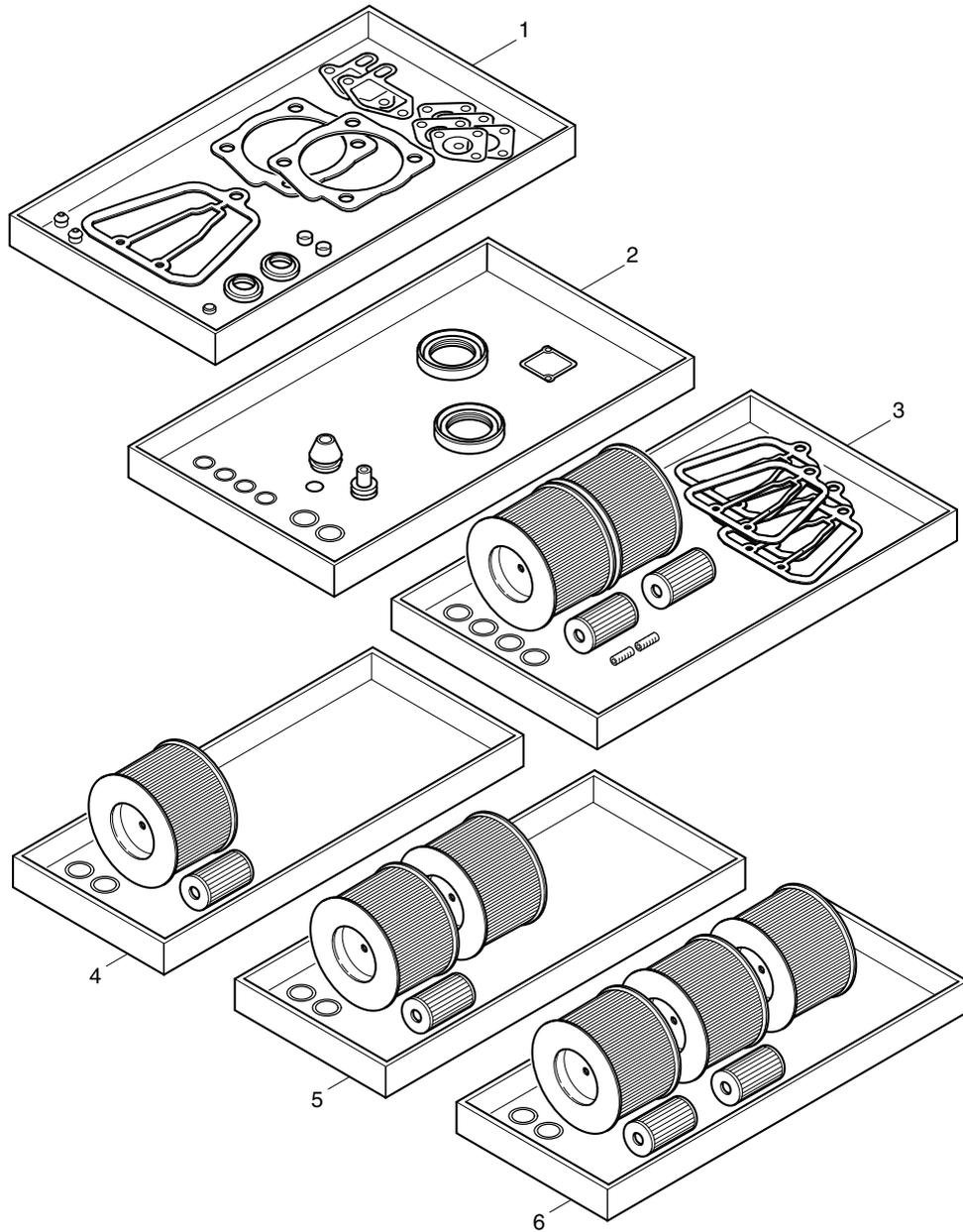


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
		<p>W: Im Wartungssatz enthalten. Incl. in maintenance kit. Contenu dans le jeu d'entretien. Incluido en el juego de mantenimiento. Contenuto nella serie manutenzione.</p>			<p>D: Im Dichtungssatz Kurbelgeh.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

M34

Accessories
Zubehör
Accessoires
Accessorios
Kit accessori

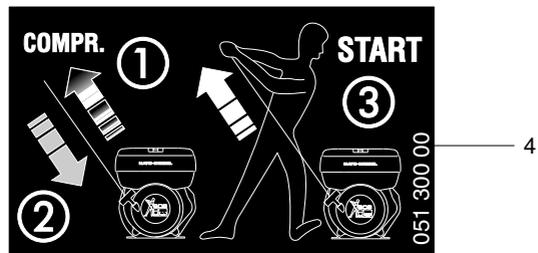
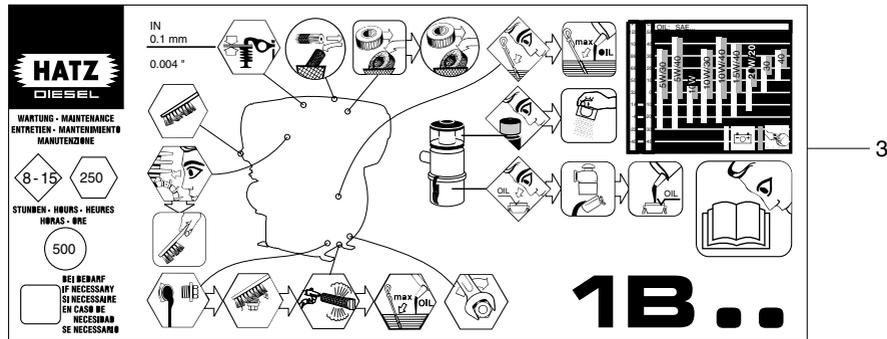
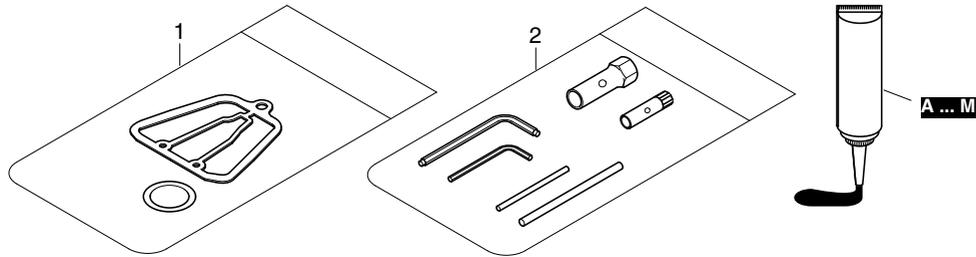


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 013 297 01	1	1		Zubehörsatz - Accessoires kit Werkzeugsatz - Tool set 160 x 67mm
2	0000 013 309 01	1	1		
3	0000 051 104 05	1	1		
4	0000 051 300 02	1	1		

Sealing- and bonding adhesives
Dicht- und Klebstoffe
Etanchéifiant et Colle

Materias para empaquetar y pegar
Adesivi e collanti

A = 0000 502 230 01	Loctite Activator N	500 ml	} as specified in the individual tables siehe Hinweis auf den einzelnen Bildtafeln suivant les remarques sur les tableau correspondant según las indicaciones de las tablas correspondientes seguire le indicazioni sul quadro corrispondente
B = 0000 502 231 01	Loctite 574	50 ml	
C = 0000 502 232 00	Loctite 601	50 ml	
D = 0000 700 189 18	Loctite 243	50 ml	
E = 0000 502 234 00	Loctite 648	10 ml	
F = 0000 502 238 00	Technicoll 8058	0,75 kg	
+ 0000 502 239 00	Technicoll 8367	0,75 kg	
G = 0000 502 565 01	Loctite IS 407	20 g	
H = 0000 700 189 44	Silicon	310 ml	
J = 0000 502 830 04	Hochtemp. Paste	100 ml	
K = 0000 503 426 01	Hochtemp. Fett	400 g	
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

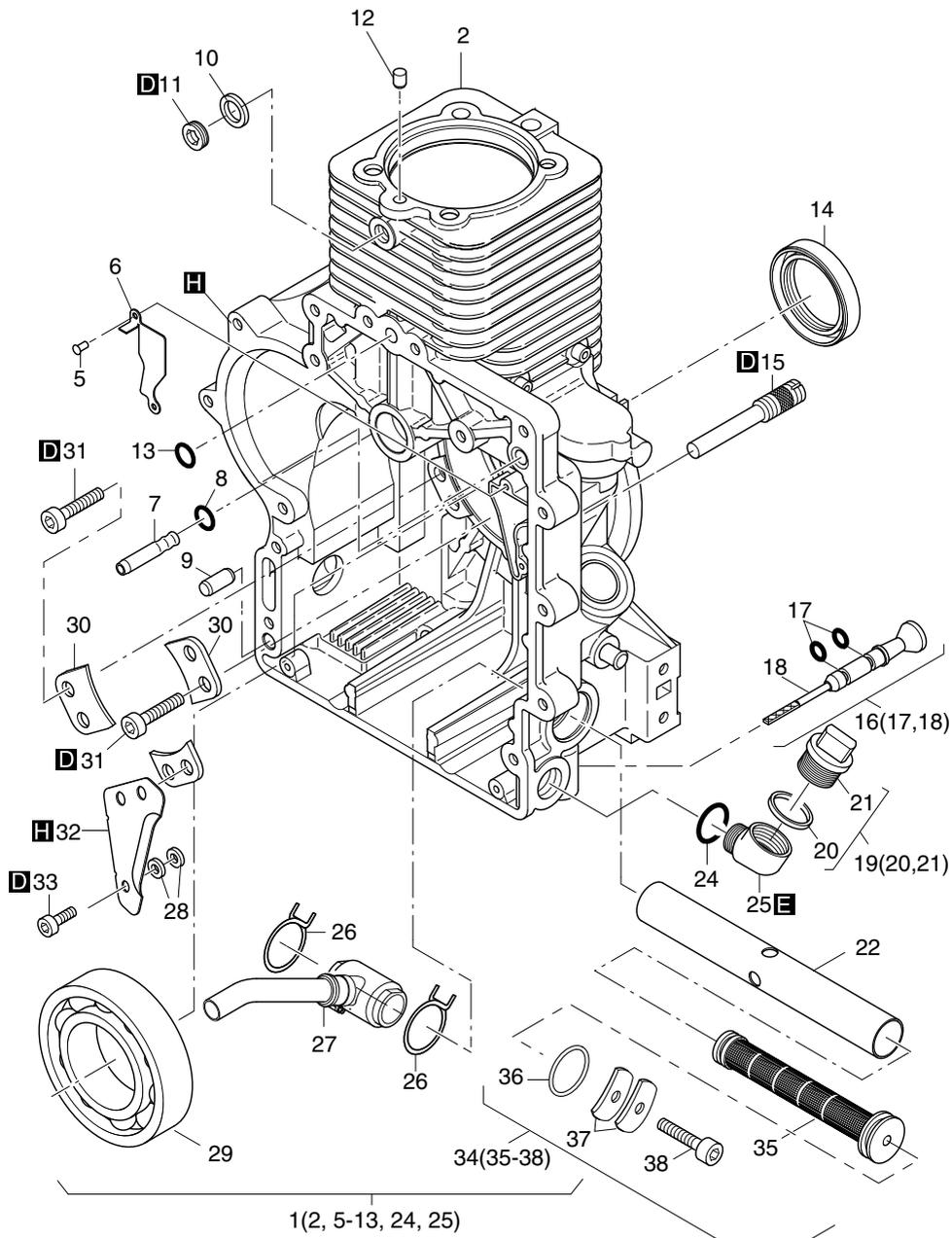


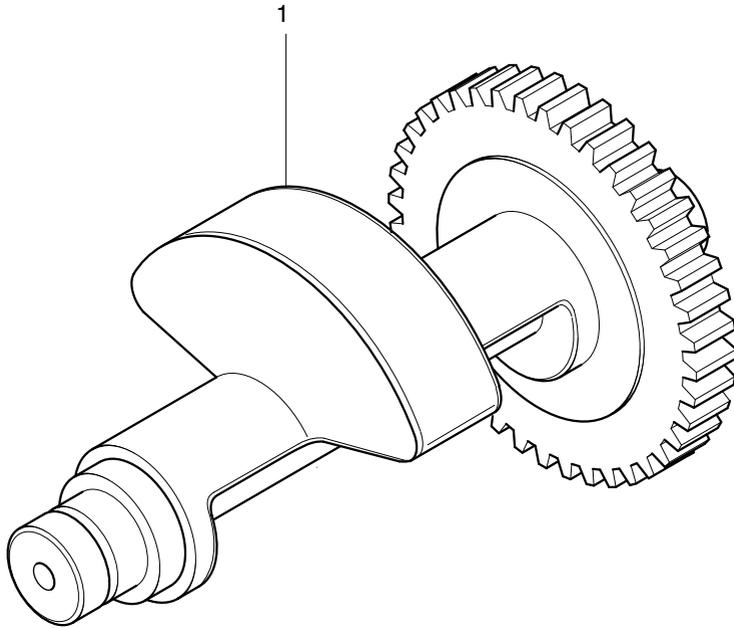
Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 019 402 00	-	1		
2	-----	-	-		
5	0000 400 026 00	2	2		3,2
6	0000 042 189 00	1	1		
7	0000 050 843 00	1	1		
8	0000 504 403 00	1	1		D1 8 x 1,5
9	0000 502 491 02	1	1		8 M 6 x 20 2-Fasen
10	0000 500 624 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 03	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

M01b

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

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



M02

Crankshaft
Kurbelwelle
Vilebrequin
Cigüeñal
Albero a gomito

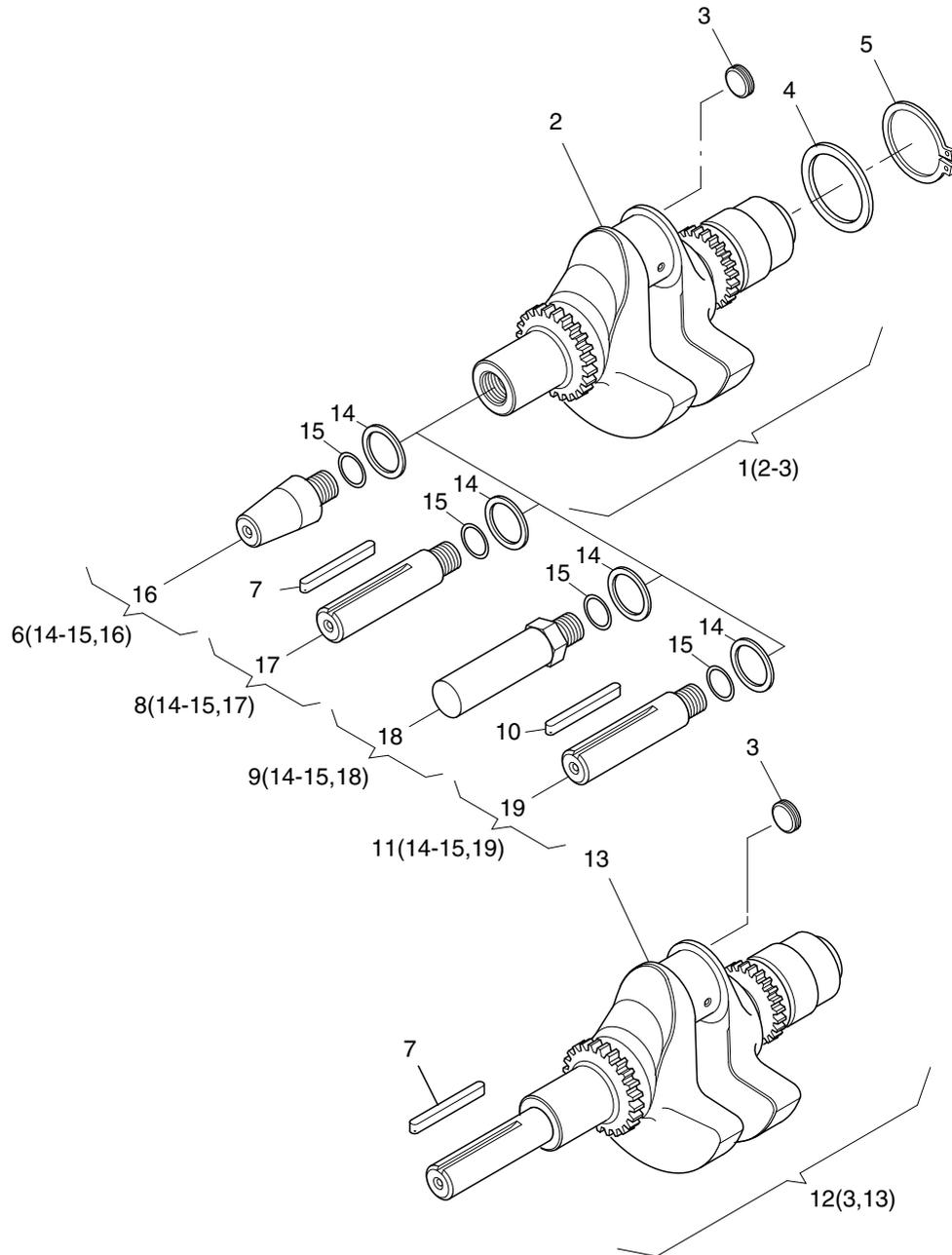
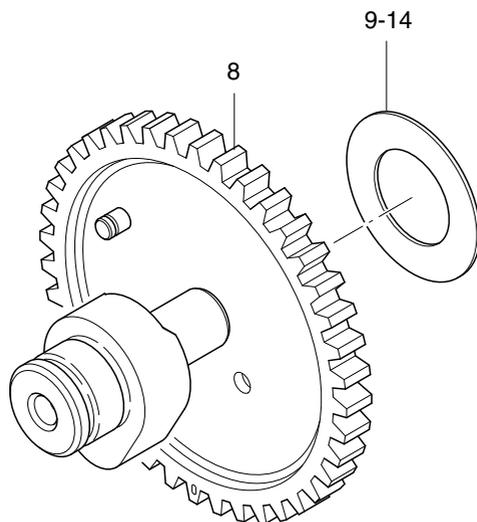


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 013 702 10	1	1		V/W
2	-----	-	-		
3	0000 505 297 00	1	1		14 DIN 443 St
4	0000 504 814 00	1	1		50 x 62 x 3,0
5	0000 500 218 00	1	1		A 50 x 2 DIN 471
6	0000 013 246 02	1	-		Nr. 6 ital. 23 keg., con.
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	-----	-	-		

M04

Camshaft
 Nockenwelle
 Arbre à cames
 Arbol de levas
 Albero a camme

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



M05, M06

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

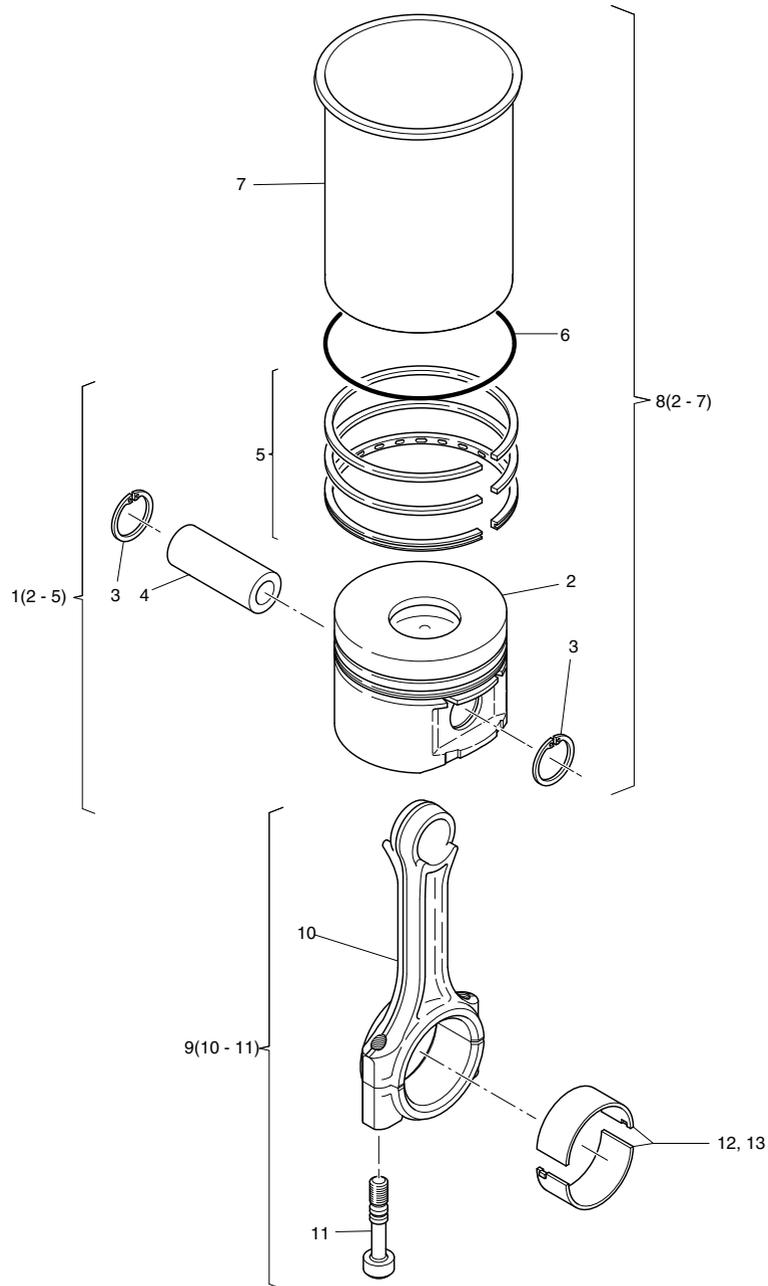


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 013 748 10	1	-		88 mm
1	0000 013 843 20	-	1		93 mm
2	-----	-	-		
3	0000 504 823 00	2	2		22 x 1 DIN 472
4	0000 505 271 00	1	-		22 x 13 x 58
4	0000 505 664 00	-	1		22 x 13 x 60
5	0000 013 747 01	1	-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

M07

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

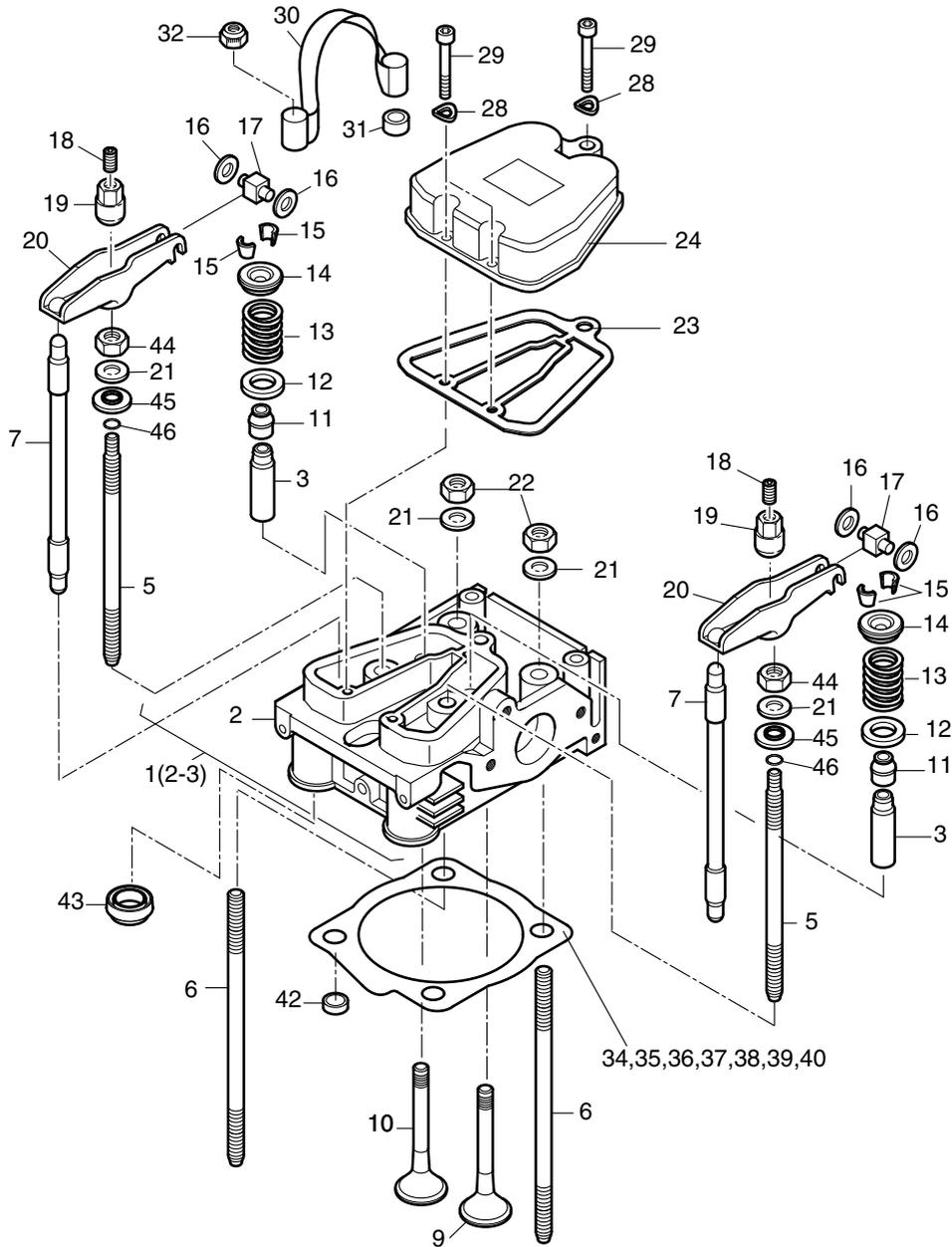


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 018 509 02	1	1		
2	-----	-	-		
3	0000 052 097 00	2	2		
5	0000 051 596 00	2	-		149 (M 10 - M 8)
5	0000 042 530 10	-	2		232 mm
6	0000 051 597 00	2	-		155 (M 10)
6	0000 042 531 10	-	2		245 mm
7	0000 013 740 00	2	2		
9	0000 051 451 00	1	1		
10	0000 051 452 00	1	1		
11	0000 504 258 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	W2	M 8 x 10 DIN 916-45H
19	0000 050 547 00	2	2		
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

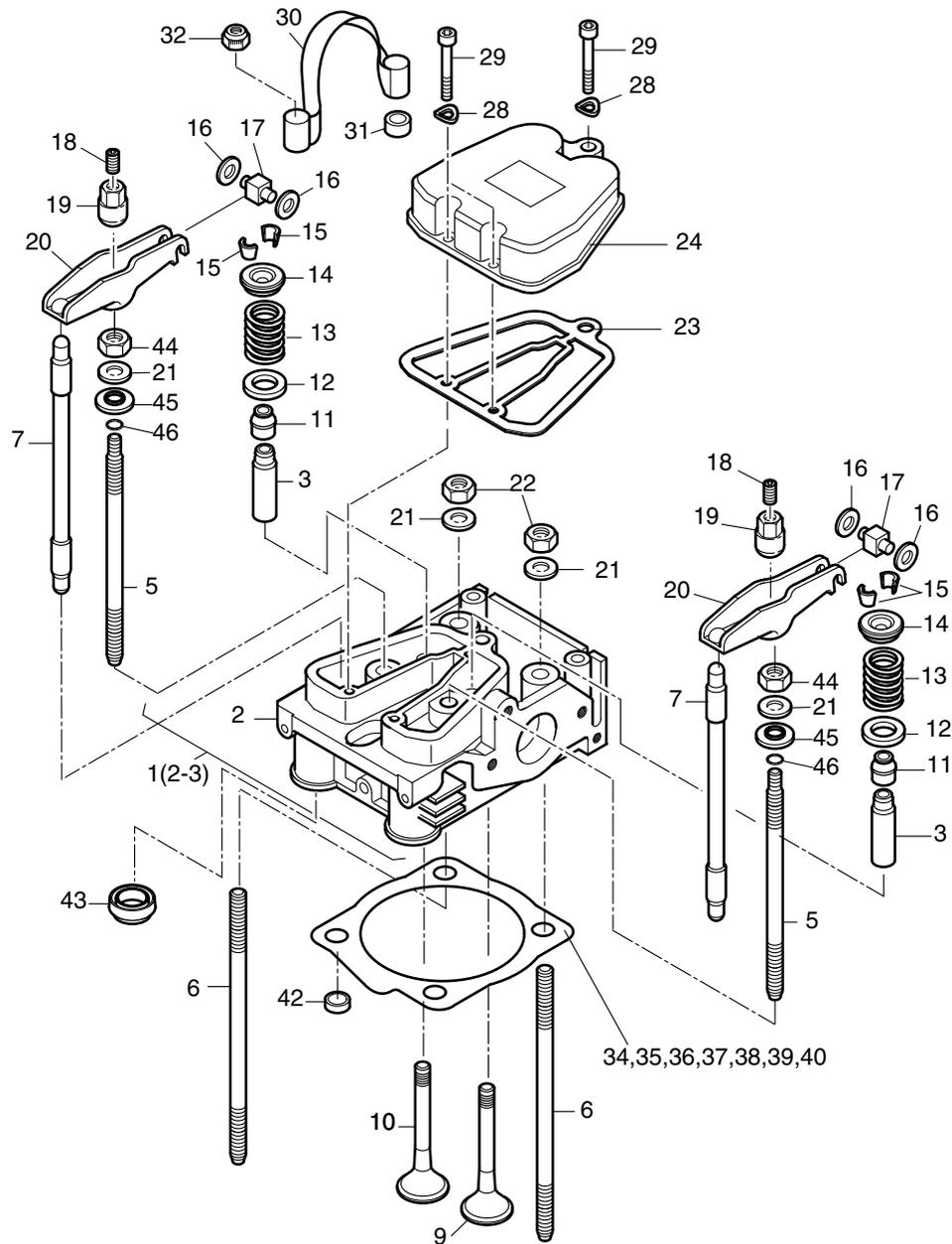


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
37	0000 042 510 20	-	0... 1		0,75 mm
38	0000 051 593 03	0... 1	-		0,8 mm
38	0000 042 353 20	-	0... 1		0,8 mm
38	0000 042 511 20	-	0... 1		0,85 mm
39	0000 051 594 03	0... 1	-		0,9 mm
39	0000 042 354 20	-	0... 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	-		d2
46	0000 505 639 00	2	-		d2 10x 2,5

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

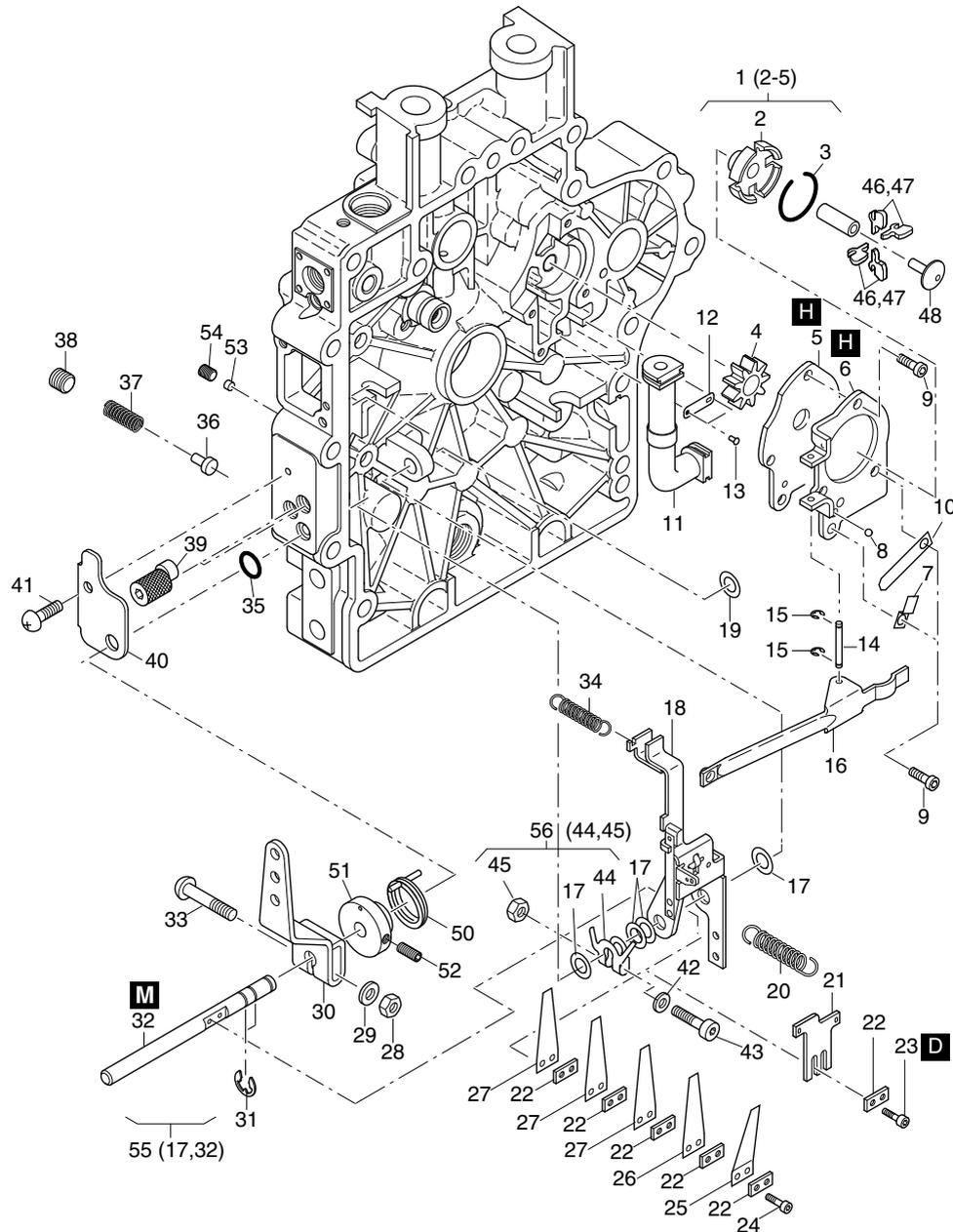


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 013 445 10	1	1		
2	-----	-	-		
3	0000 042 109 10	1	1		
4	-----	-	-		
5	-----	-	-		
6	0000 050 781 10	1	1		
7	0000 050 971 00	1	1		
8	0000 504 479 00	1	1		3,5mm KL. III
9	0000 504 294 00	4	4		M5 x 12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

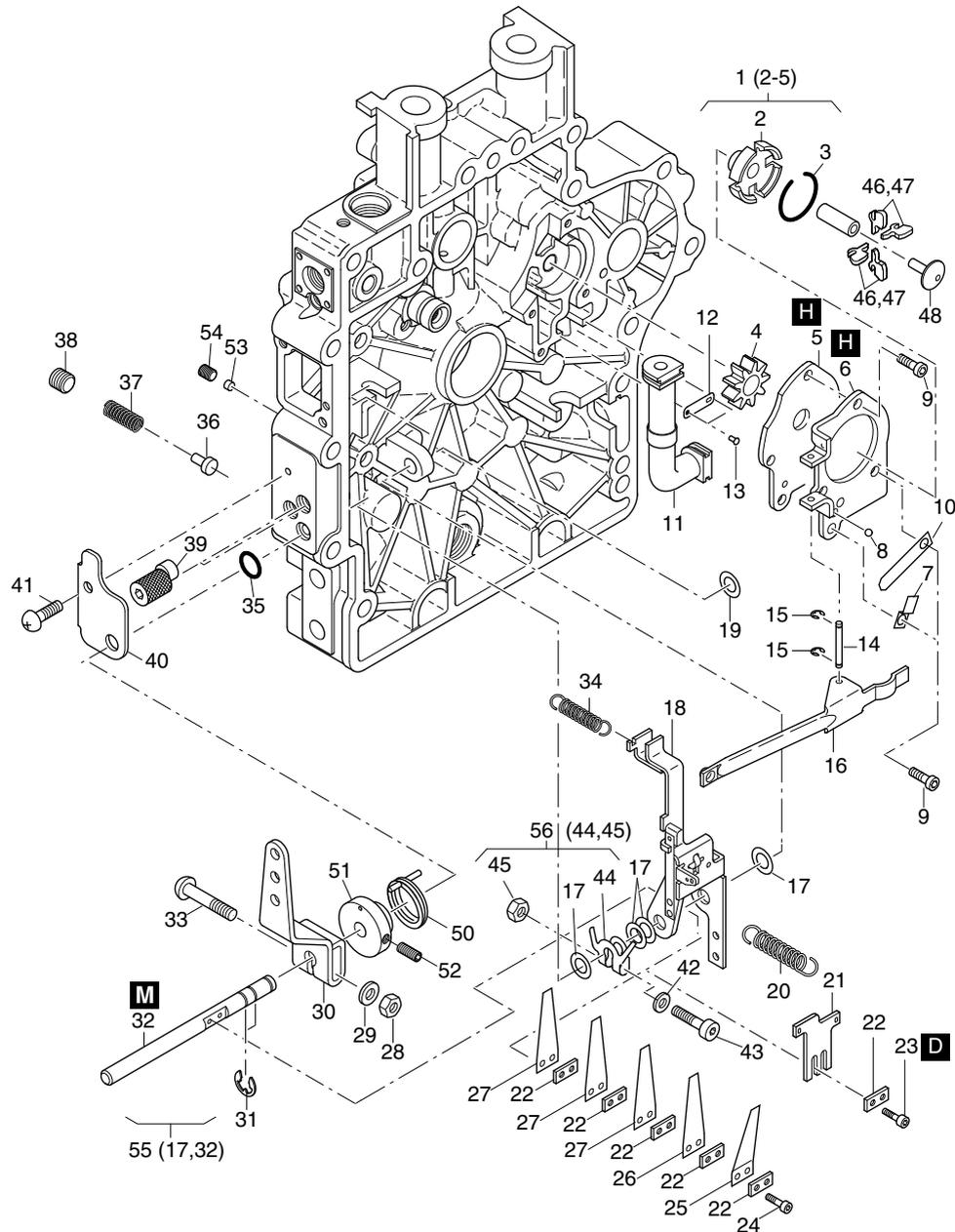


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
44	-----	-	-		
45	0000 500 943 00	1	1		M 5 DIN 934-8 A3C
46	0000 050 796 11	0... 4	0... 4		Gen - PV 78 = (0)
47	0000 051 602 11	0... 4	0... 4		Gen - PV 78 = (4)
48	0000 050 785 02	1	1		
50	0000 051 791 00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

M11

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

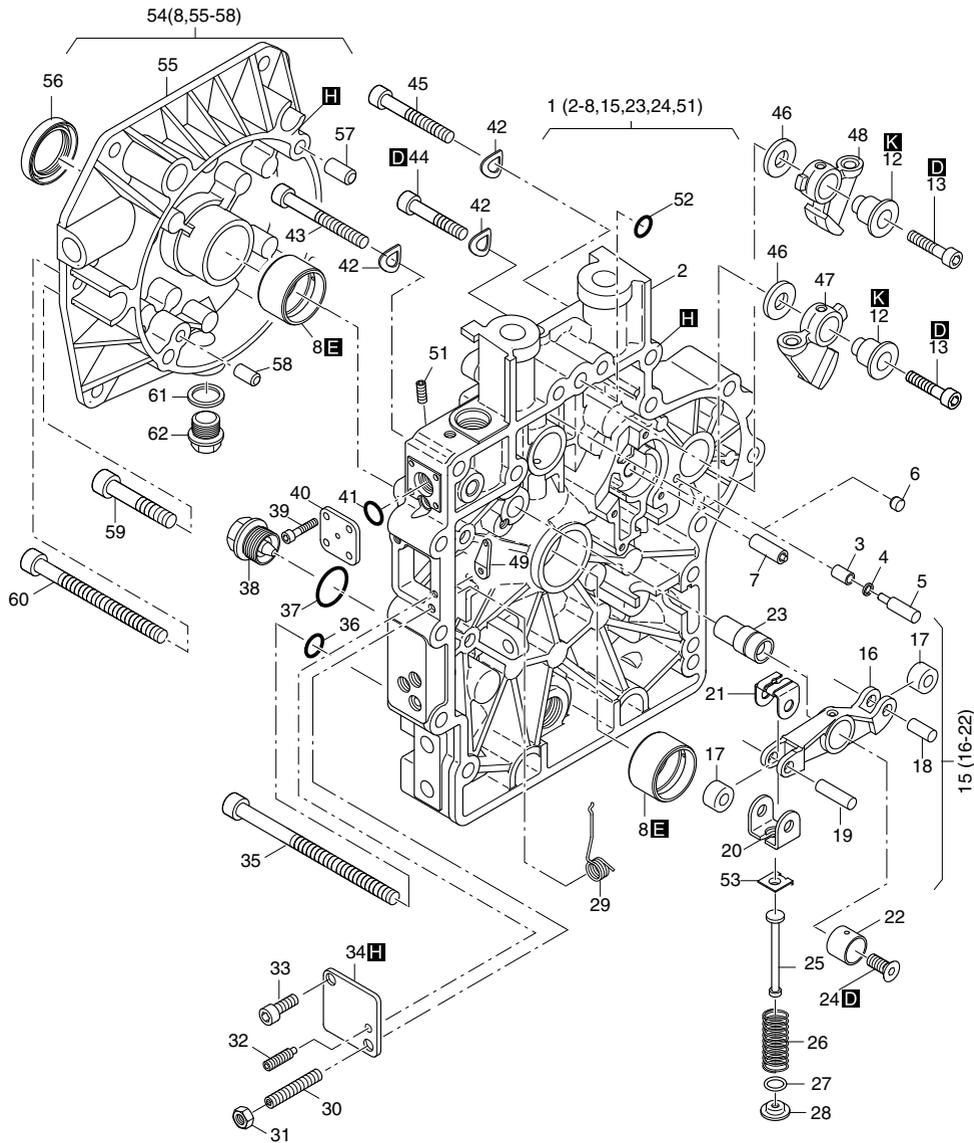


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 022 731 00	1	1		
2	-----	-	-		
3	0000 041 858 00	1	1		4 x 7,5 "V"
4	0000 504 641 00	1	1		D1 2 x 1 "V"
5	0000 041 857 00	1	1		4 x 15 "V"
6	0000 041 686 00	1	1		4,3 "W"
7	0000 013 446 00	1	1		
8	0000 041 488 01	2	2		
8	0000 042 208 01	2	2		-0,5 mm
12	0000 037 942 01	2	2		
13	0000 504 579 00	2	2		M 6 x 25 DIN 912-10.9
15	0000 013 467 20	1	1		
16	-----	-	-		
17	-----	-	-		
18	-----	-	-		
19	-----	-	-		
20	-----	-	-		
21	-----	-	-		
22	-----	-	-		
23	0000 040 968 30	1	1		
24	0000 505 618 00	1	1		M 6 x 40 DIN 7991 - 8.8 A3C
25	0000 040 947 00	1	1		
26	0000 040 957 00	1	1		
27	0000 041 339 00	1	1		10,7 x 16 x 0,5
28	0000 040 948 02	2	2		
29	0000 050 952 10	1	1		
30	0000 504 993 00	1	1		M 6 x 35 DIN 913-22H A3C
31	0000 501 444 00	1	1		M 6 DIN 934 - 8 A3C
32	0000 504 994 00	1	1		M 4x25 DIN 915-45H
33	0000 503 842 00	1	1		M 6x12 DIN 912-8.8 A3C Tuf.
34	0000 040 952 10	1	1		
35	0000 504 630 00	2	2		M 8 x130 DIN 912-8.8A3C
36	0000 501 629 00	2	2		A 8 x 14 DIN 7603 - Cu
37	0000 504 591 00	1	1		D1 A 22 x 27 DIN 7603-AI
38	0000 503 731 00	1	1		W1 AM22x1,5DIN7604A3C MAGN.
39	0000 503 971 00	4	4		M 4 x 10A3C DIN 912-8.8TUF
40	0000 013 517 00	1	1		
41	0000 503 290 00	1	1		
42	0000 500 951 00	11	11		D1 9,5 x 2,5
43	0000 502 888 00	8	8		A 8 DIN 137 A3C
44	0000 501 775 00	2	2		M 8 x 55 DIN 912-8.8A3C
45	0000 503 929 00	1	1		M 8 x 40 DIN 912-8.8A3C
46	0000 037 941 00	2	2		M 8 x 50 DIN 912-8.8A3C
47	0000 041 466 00	1	1		10,1 x 22 x 3
48	0000 041 460 00	1	1		

M11

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

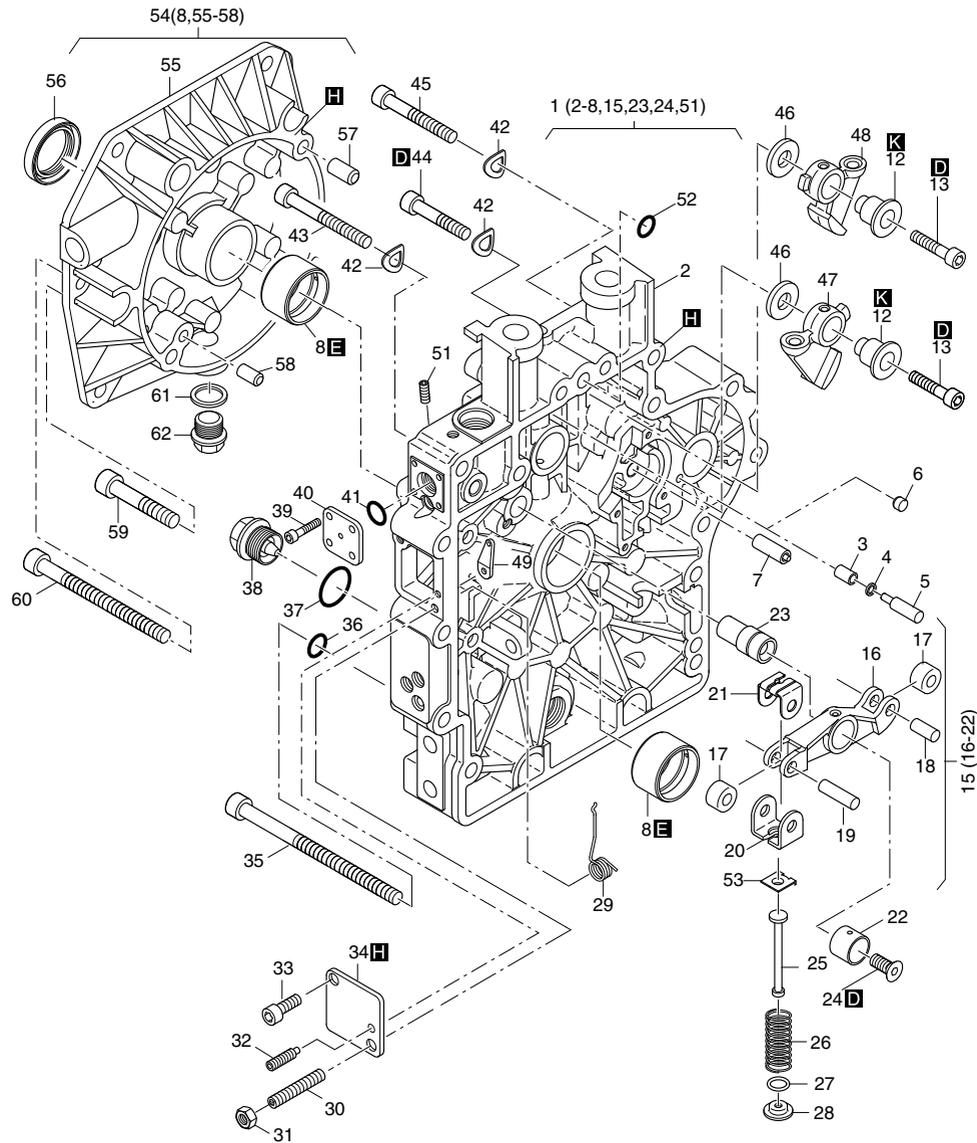


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
49	0000 051 271 00	1	1		
51	0000 502 624 00	1	1		M 6 x 10 DIN 916 TUF360G
52	0000 400 223 00	1	1		D1 8 x 2
53	0000 041 895 00	1	1		
54	0000 017 774 00	1	1		
55	-----	-	-		
56	0000 504 795 00	1	1		D1 35 x 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

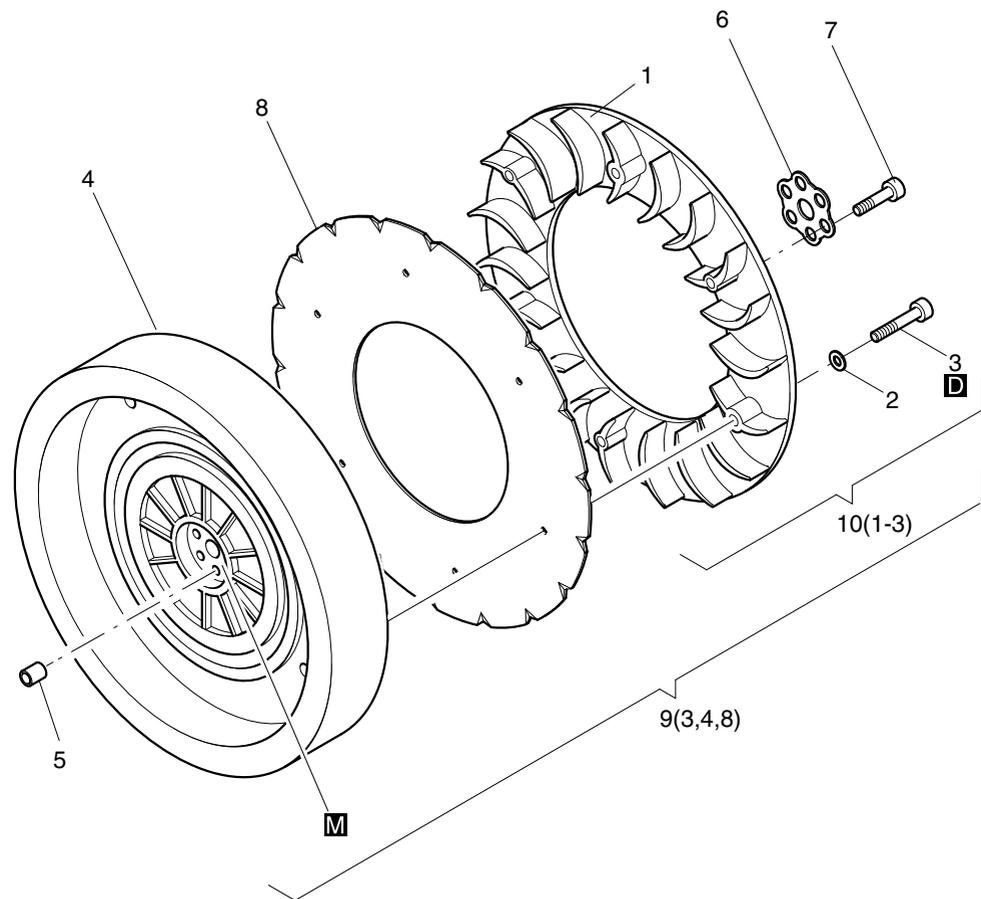


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	-----	-	-		
2	0000 500 034 00	6	6		A 4 DIN 137 - ST
3	0000 503 273 00	6	6		M 4 x 20 DIN 912-8.8 A3C
4	0000 042 345 00	-	1		
5	0000 042 882 00	1	1		10,2 x 8,2 x 12,5
6	0000 041 551 01	1	1		
7	0000 505 025 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

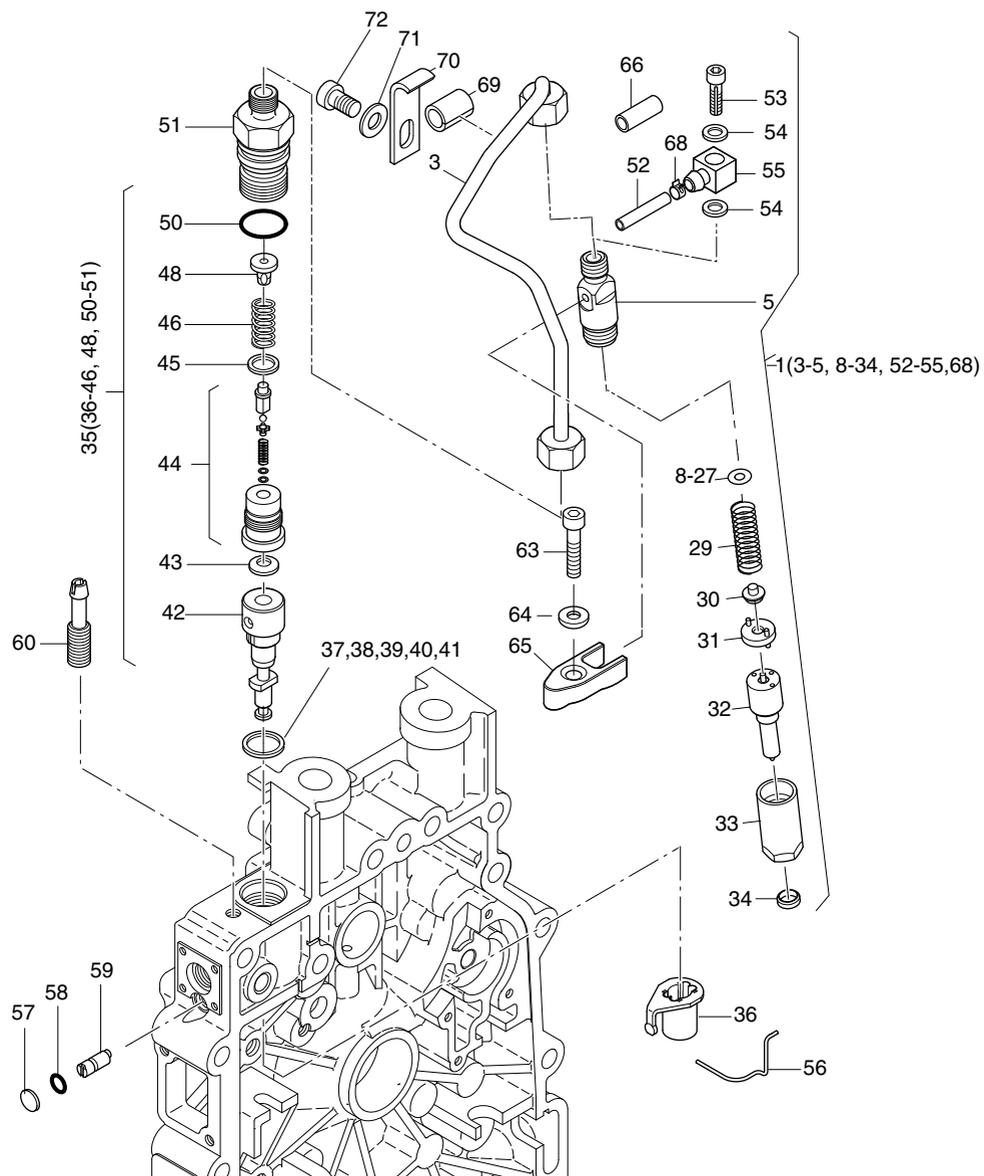


Fig.- No.	HATZ Ident-No.	Stck Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 018 579 10	1	1		
3	0000 020 229 01	1	1		
5	-----	-	-		
8	0000 504 364 00	0... 1	0... 1		1,00 mm
9	0000 504 365 00	0... 1	0... 1		1,04 mm
10	0000 504 366 00	0... 1	0... 1		1,10 mm
11	0000 504 367 00	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

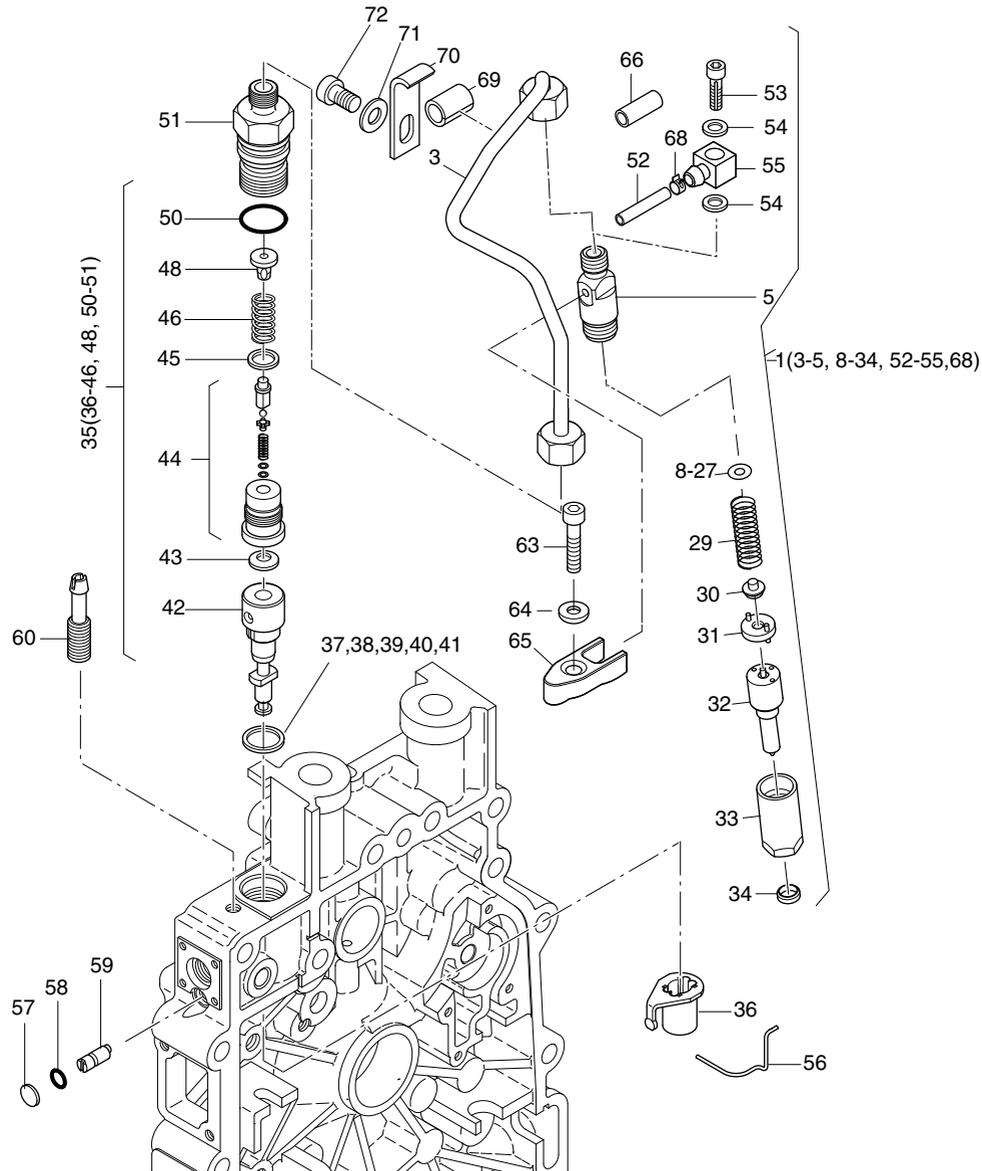


Fig.- No.	HATZ Ident-No.	Stck Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
53	0000 042 819 00	1	1		M 4 x 14
54	0000 501 108 00	2	2		A4 x 8 DIN 7603-Cu
55	0000 051 290 00	1	1		
56	0000 041 618 00	1	1		
57	0000 504 760 00	1	1		8 DIN 470 Al
58	0000 503 301 00	1	1		4 x 1,2
59	0000 040 977 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 \varnothing 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

M15

Recoil starter
 Reversierstarter
 Demarreur reversible
 Arrancador reversible
 Avviamento a strappo

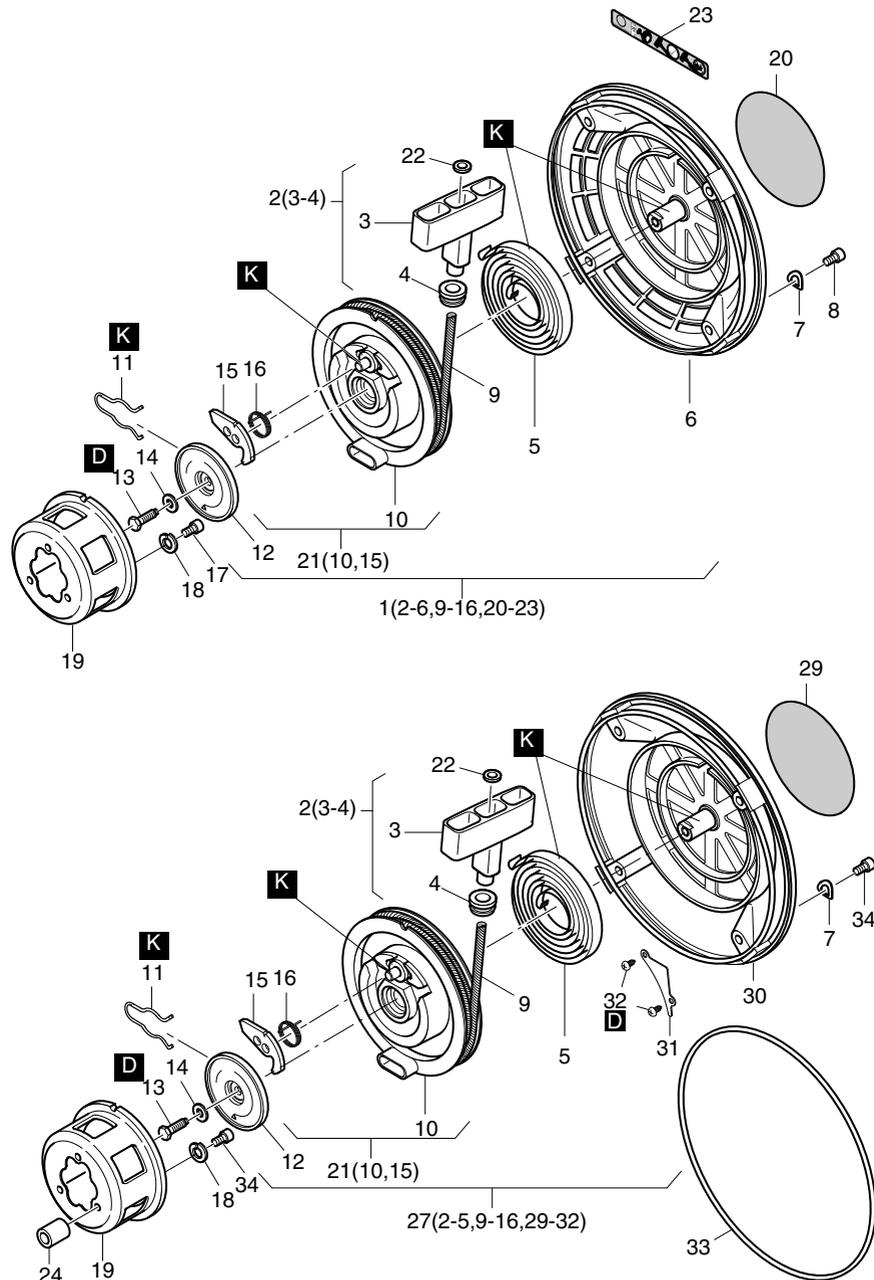


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 023 191 00	1	1		
2	0000 014 978 00	1	1		
3	-----	-	-		
4	0000 036 652 00	1	1		
5	0000 050 452 02	1	1		
6	0000 015 693 10	1	1		
7	0000 500 812 00	4	4		A 6 DIN 137 - A3C
8	0000 500 627 00	4	4		M 6 x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

M26a

Air ducting
 Luftführung
 Carter ventilation
 Conducción de aire
 Carter ventilatore

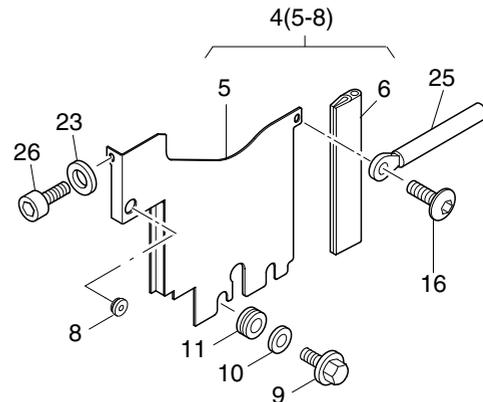
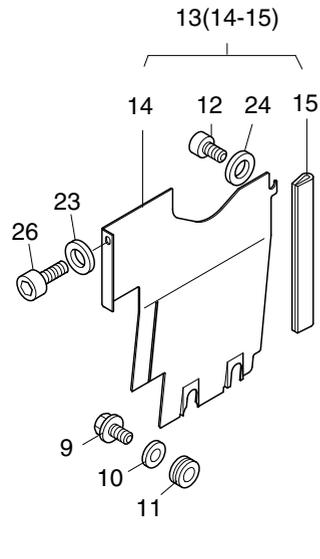
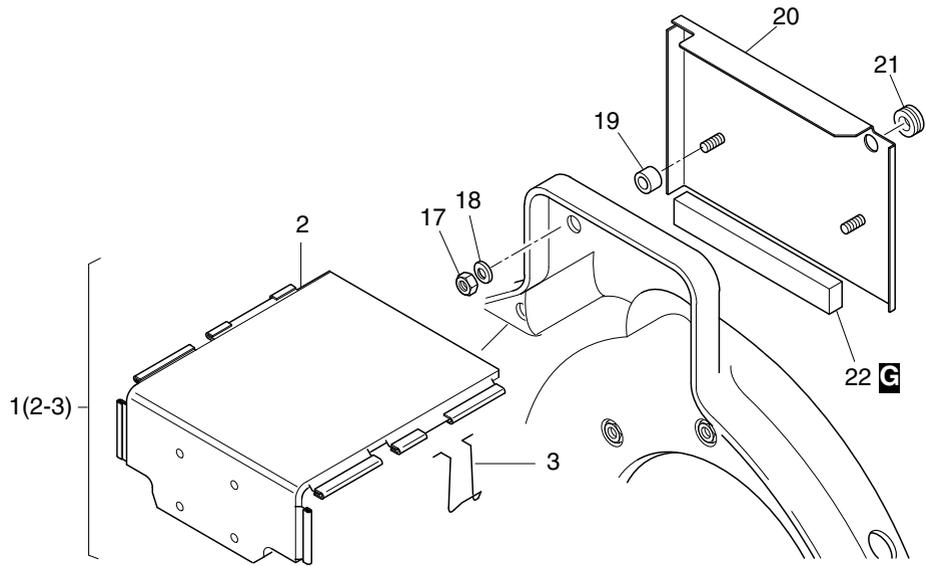


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 016 104 01	0... 1	0... 1		
2	-----	-	-		
3	0000 051 521 00	1	1		
4	0000 013 454 10	1	1		
5	-----	-	-		
6	0000 041 442 10	1	1		100 mm
8	0000 503 348 00	1	1		
9	0000 504 454 01	4	4		M 4 x 10 ST A3C
10	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

M26b

Air ducting
 Luftführung
 Carter ventilation
 Conducción de aire
 Carter ventilatore

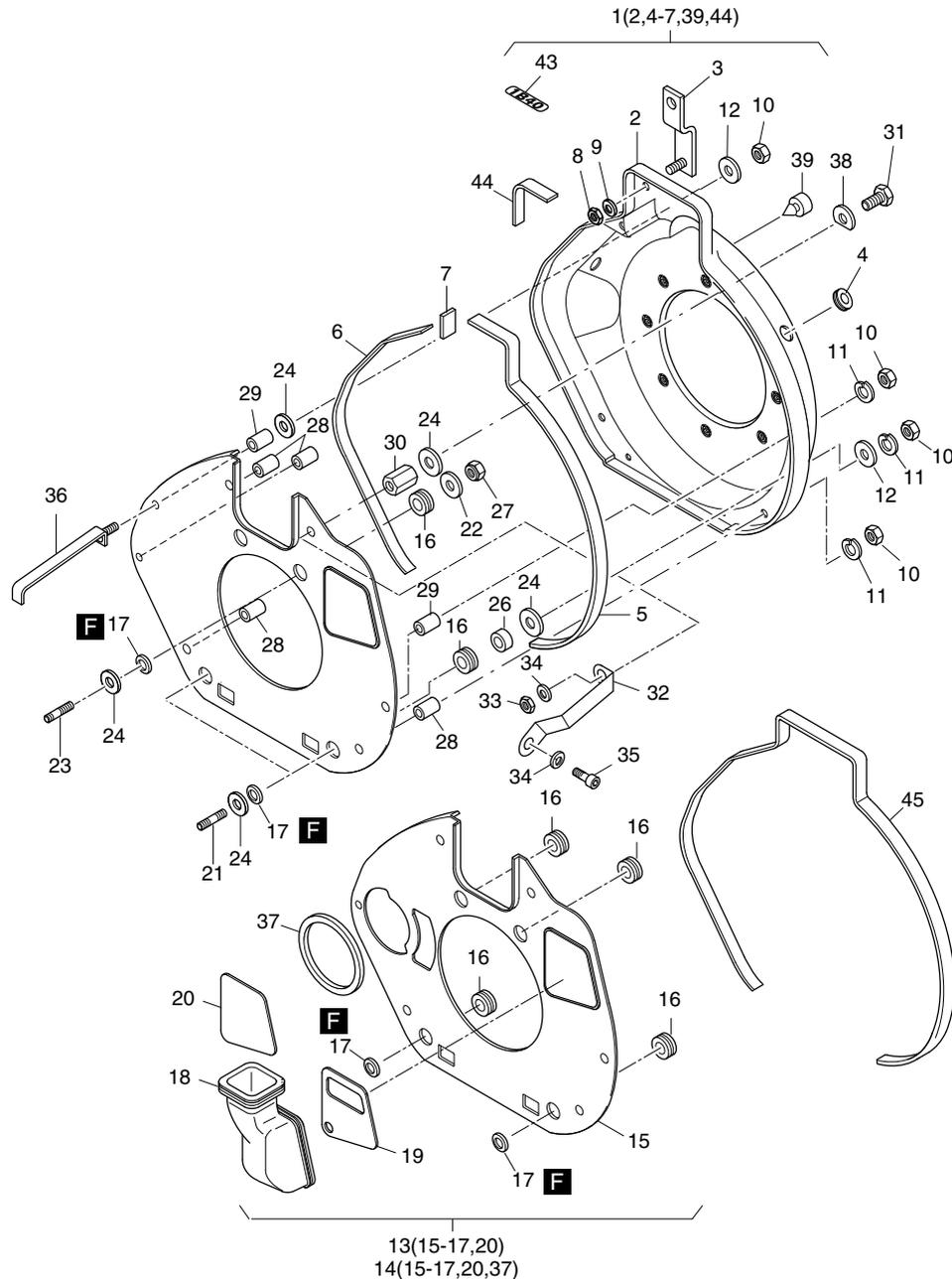


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 018 315 01	0... 1	-		M15 - Pos. 1
1	0000 019 464 10	0... 1	1		"SILENT"
2	-----	-	-		
3	0000 013 313 00	2	2		
4	0000 504 533 00	1	1		
5	0000 054 016 00	1	1		715 mm
6	0000 054 015 00	1	1		555 mm
7	0000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

M31a

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

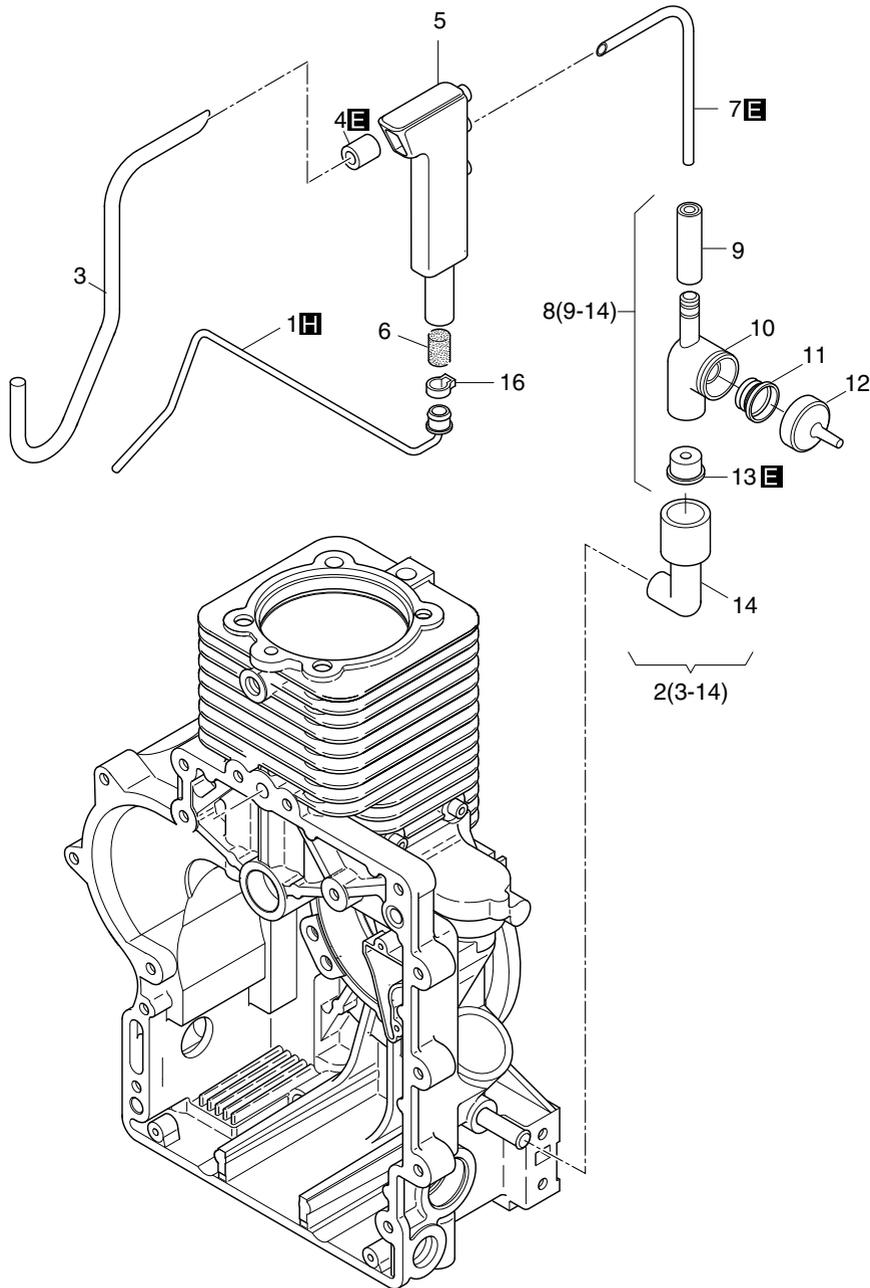


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 013 726 00	1	1		
2	0000 013 734 01	1	1		
3	0000 042 611 00	1	1		
4	0000 042 595 00	1	1		
5	0000 042 021 00	1	1		
6	0000 051 029 00	1	1		Filter, Filtre, Filtro
7	0000 042 020 00	1	1		
8	0000 013 735 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

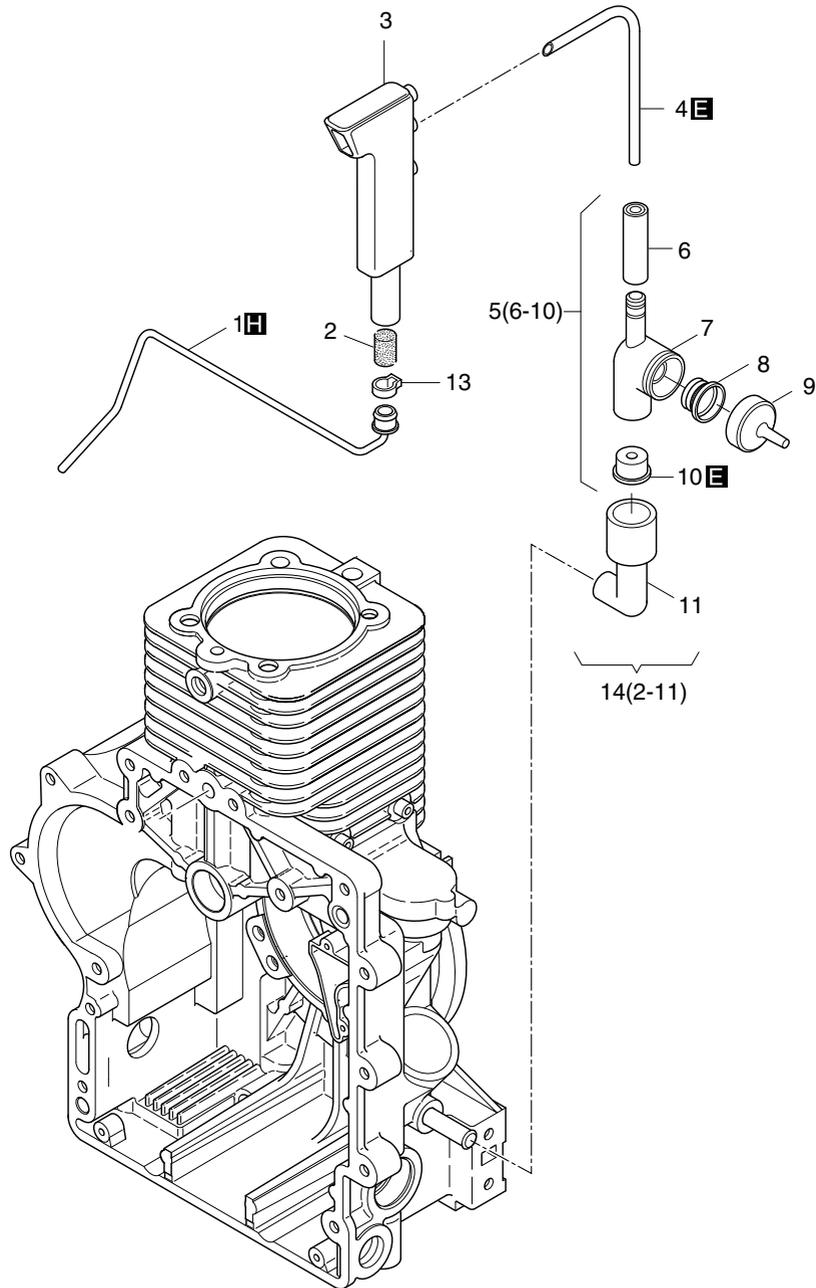


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W NON EPA IV	1B50V/W NON EPA IV		
1	0000 013 726 00	1	1		
2	0000 051 029 00	1	1		Filter, Filtre, Filtro
3	0000 042 021 00	1	1		
4	0000 042 020 00	1	1		
5	0000 013 735 00	1	1		
6	0000 013 732 00	1	1		
7	-----	-	-		
8	0000 035 687 01	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		

Z01a

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

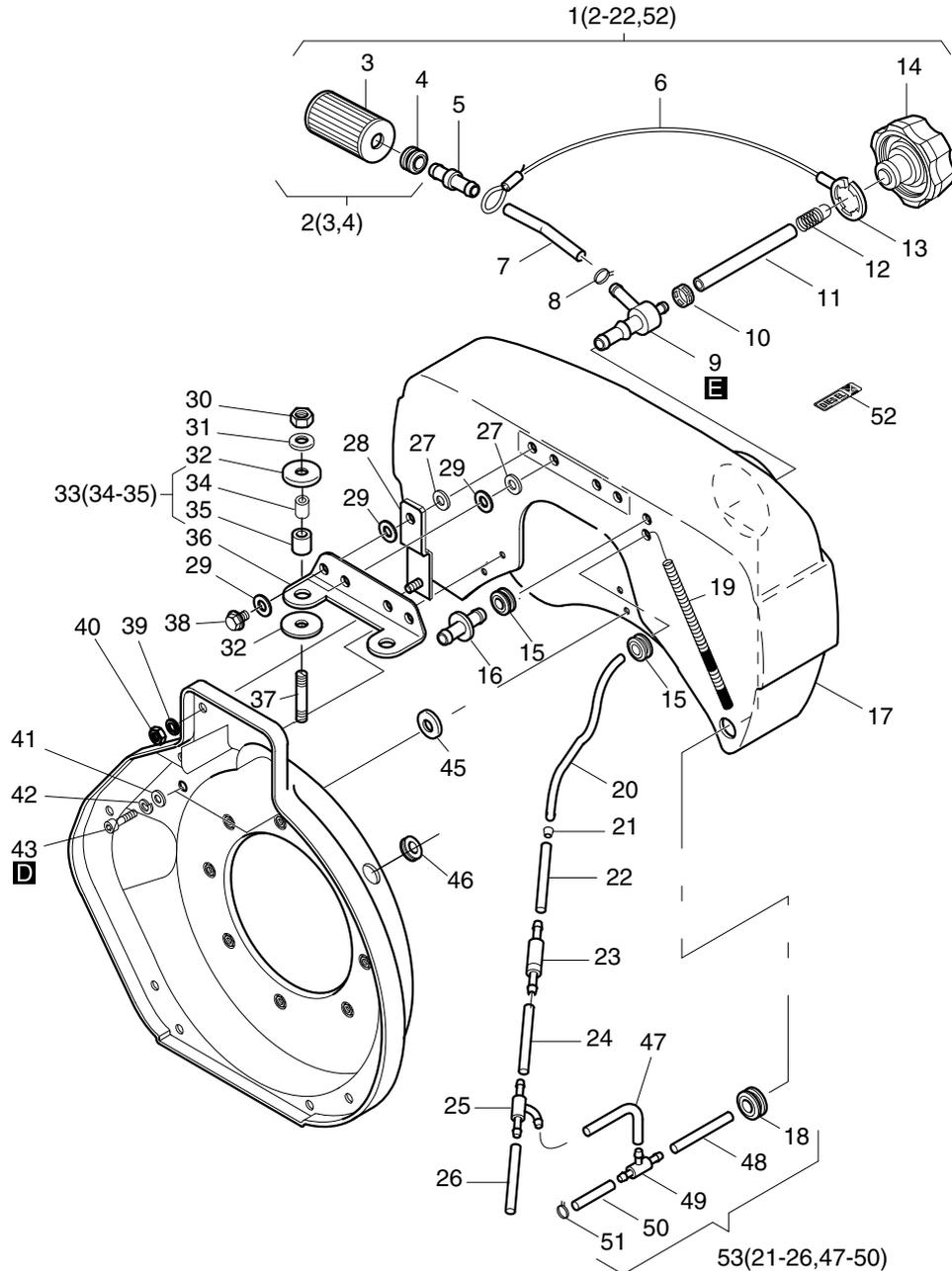


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 017 025 00	1	-		
1	0000 019 174 00	-	1		
2	0000 016 352 00	1	1		
3	-----	-	-		
4	0000 504 409 01	1	1		
5	0000 050 844 01	1	1		
6	0000 016 289 00	1	1		~440mm
7	0000 053 421 00	1	1		7 x 280 mm
8	0000 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		
37	0000 502 319 00	2	2		M 8 x 25 DIN 835-8.8 A3C
38	0000 015 570 00	4	4		M 6 x 18
39	0000 501 709 00	2	2		6 DIN 128 - 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

Z01a

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

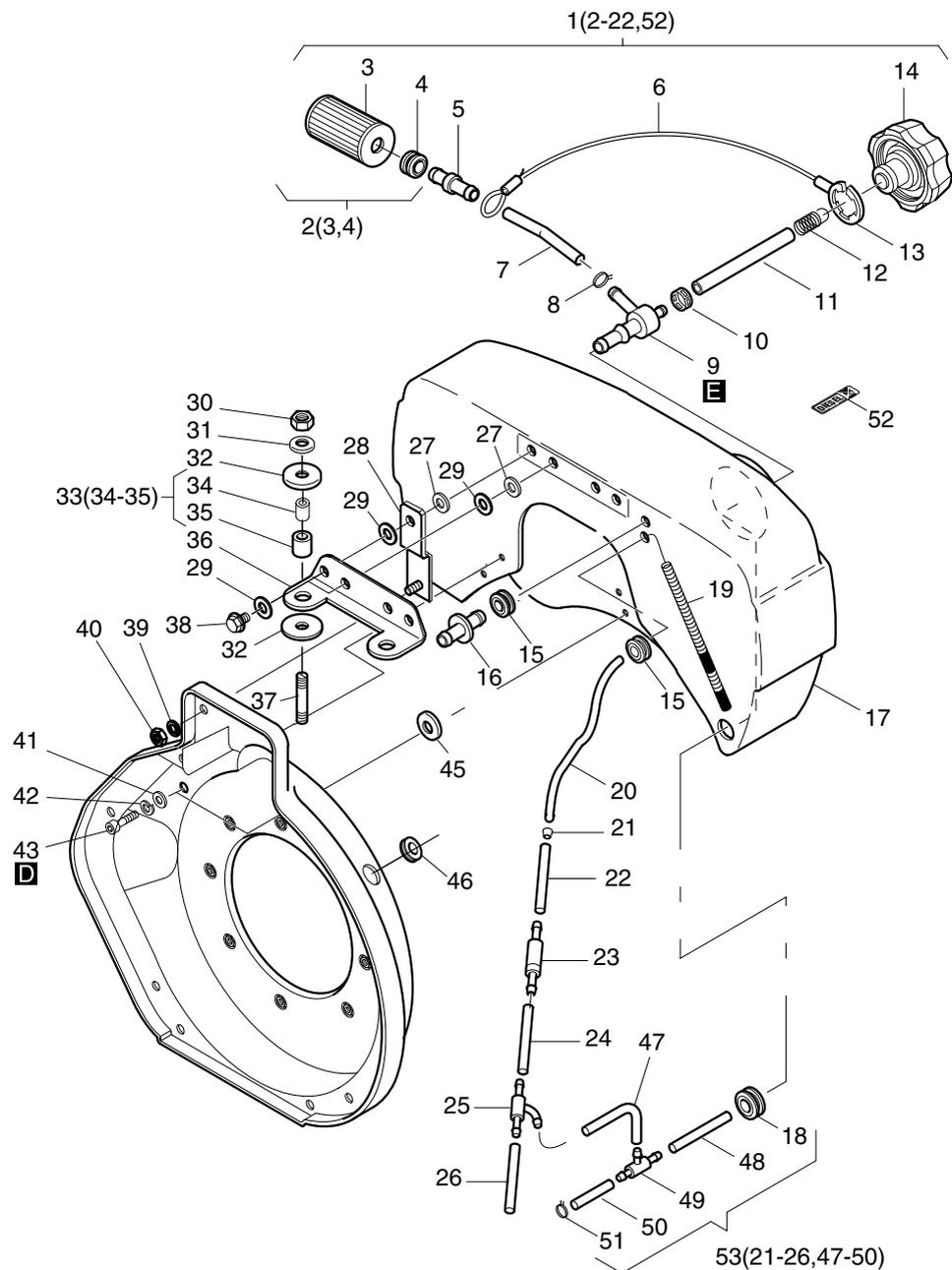


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
46	0000 504 533 00	1	1		
47	0000 053 277 00	1	1		5,0 x 170
48	0000 053 279 00	1	1		7,0 x 120
49	0000 504 596 00	1	1		
50	0000 053 278 00	1	1		7,0 x 60
51	0000 504 411 00	1	1		11,8-505R
52	0000 052 356 02	1	1		"DIESEL"
53	0000 017 039 01	1	1		

Z01b

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

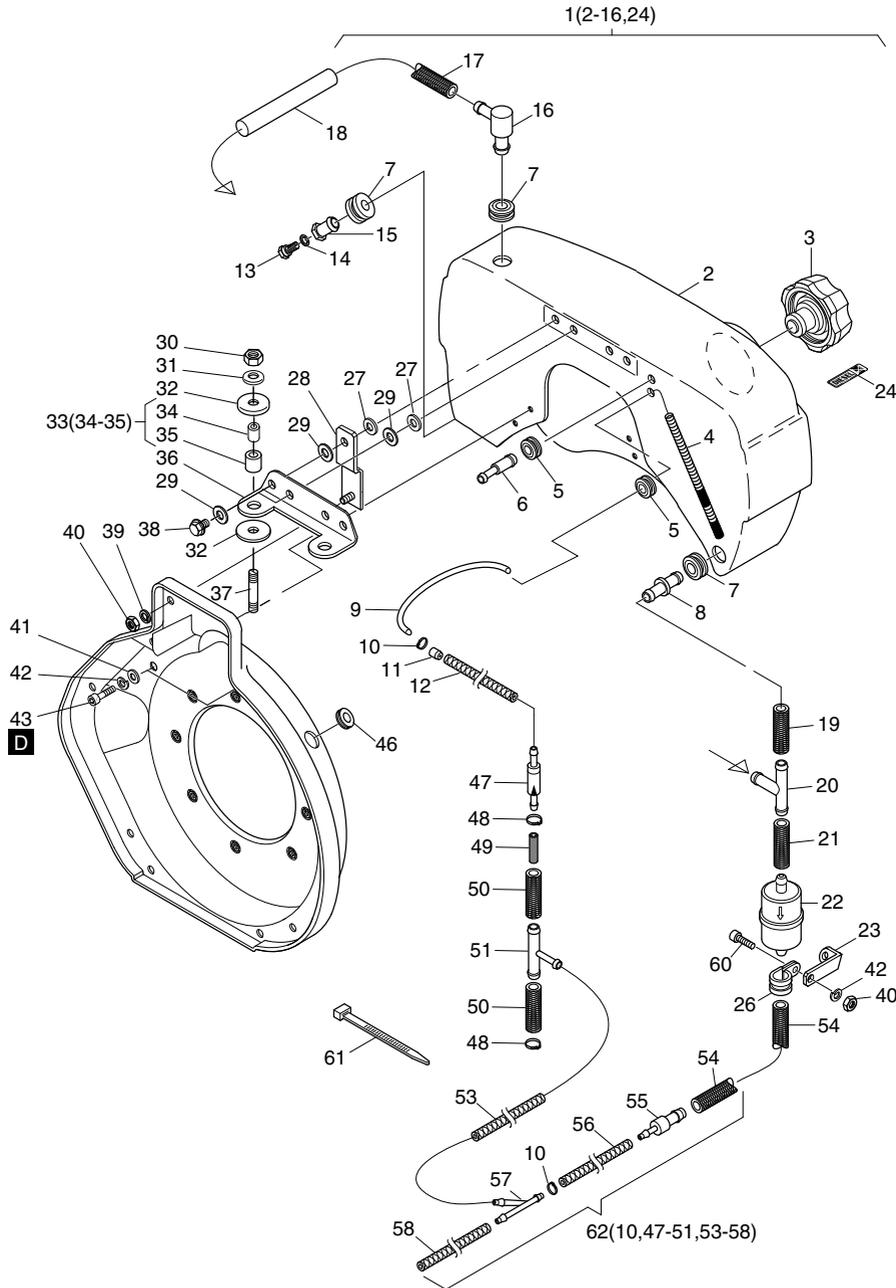


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 017 384 00	1	1		
2	-----	-	-		
3	0000 016 203 03	1	1		
4	0000 016 485 00	1	1		160mm
5	0000 051 304 00	2	2		
6	0000 051 296 10	1	1		
7	0000 504 408 00	3	3		
8	0000 052 385 00	1	1		
9	0000 052 375 00	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		
38	0000 015 570 00	4	4		M 6 x 18
39	0000 501 709 00	2	2		6 DIN 128 - A3C
40	0000 501 444 00	3	3		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	5	5		6 DIN 128 - A3C
43	0000 501 491 00	4	4		M 6 x 12 DIN 912-8.8A3C
46	0000 504 533 00	1	1		
47	0000 015 346 01	1	1		

Z01b

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

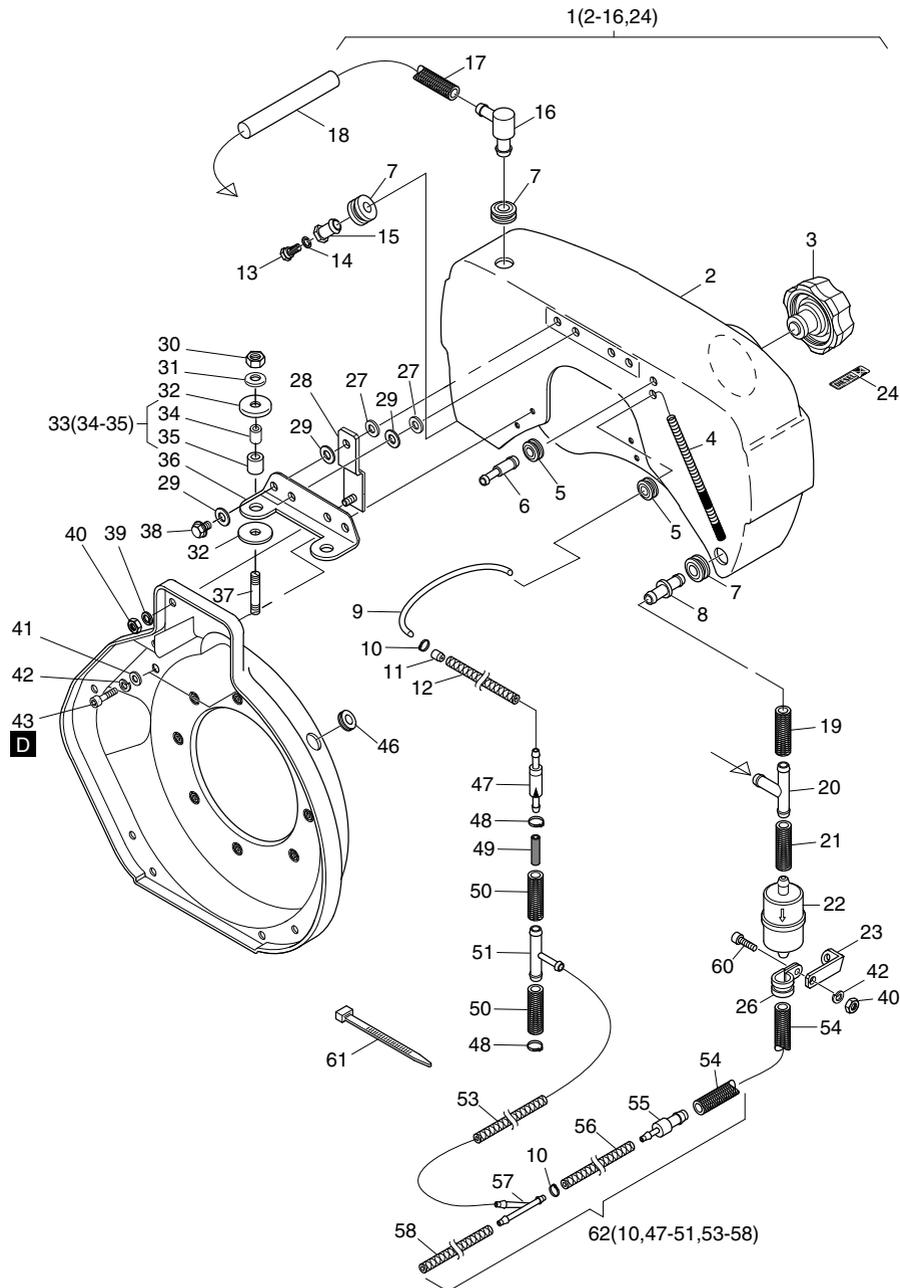


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
48	0000 505 709 00	2	2		12,8
49	0000 051 628 00	1	1		4 x 20
50	0000 053 278 00	2	2		7,0 x 60
51	0000 504 596 00	1	1		
53	0000 053 277 00	1	1		5,0 x 170
54	0000 053 281 00	1	1		7,0 x 160
55	0000 505 210 00	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		

Z02

Air filter
 Luftfilter
 Filtre à air
 Filtro de aire
 Filtro aria

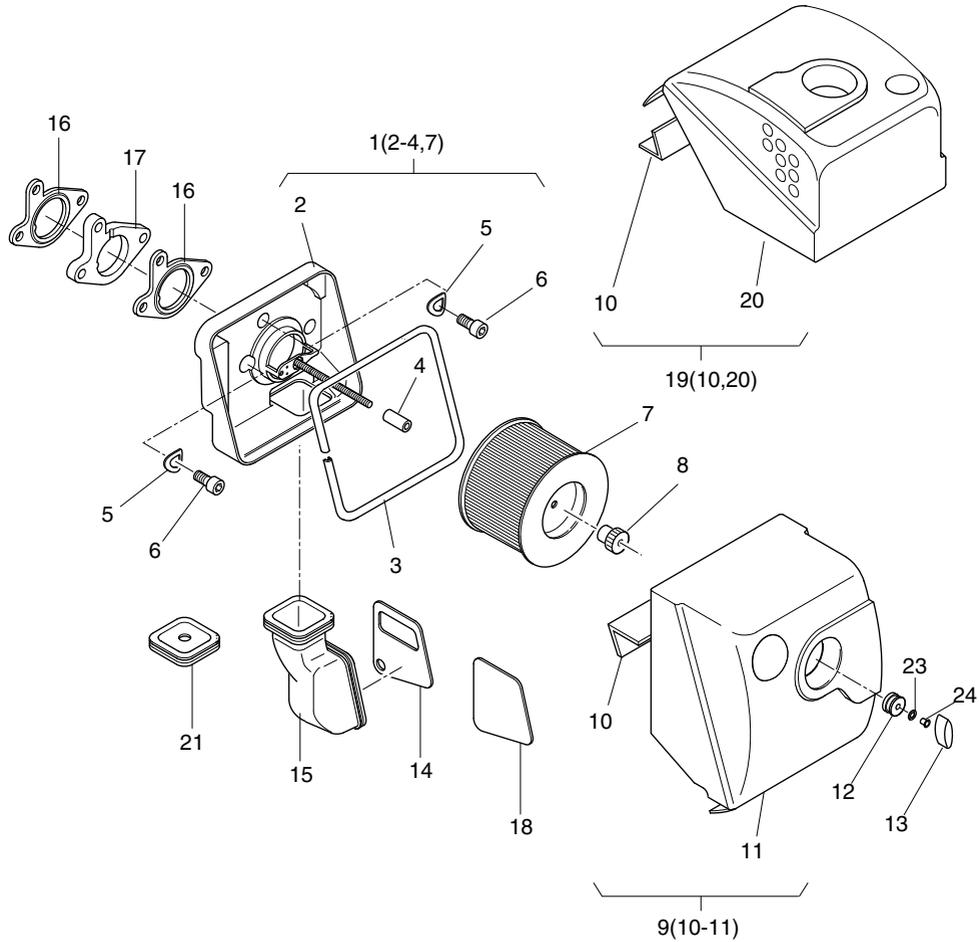


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 016 374 10	1	1		
2	-----	-	-		
3	0000 051 677 00	1	1		665 mm
4	0000 051 662 00	1	1		32 mm
5	0000 500 951 00	3	3		A 8 DIN 137 A3C
6	0000 501 715 00	3	3		M 8 x 25 DIN 912-8.8A3C
7	0000 504 841 00	1	1		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

Z03b

Exhaust silencer
Abgasdämpfer
Silencieux
Silenciador
Marmitta

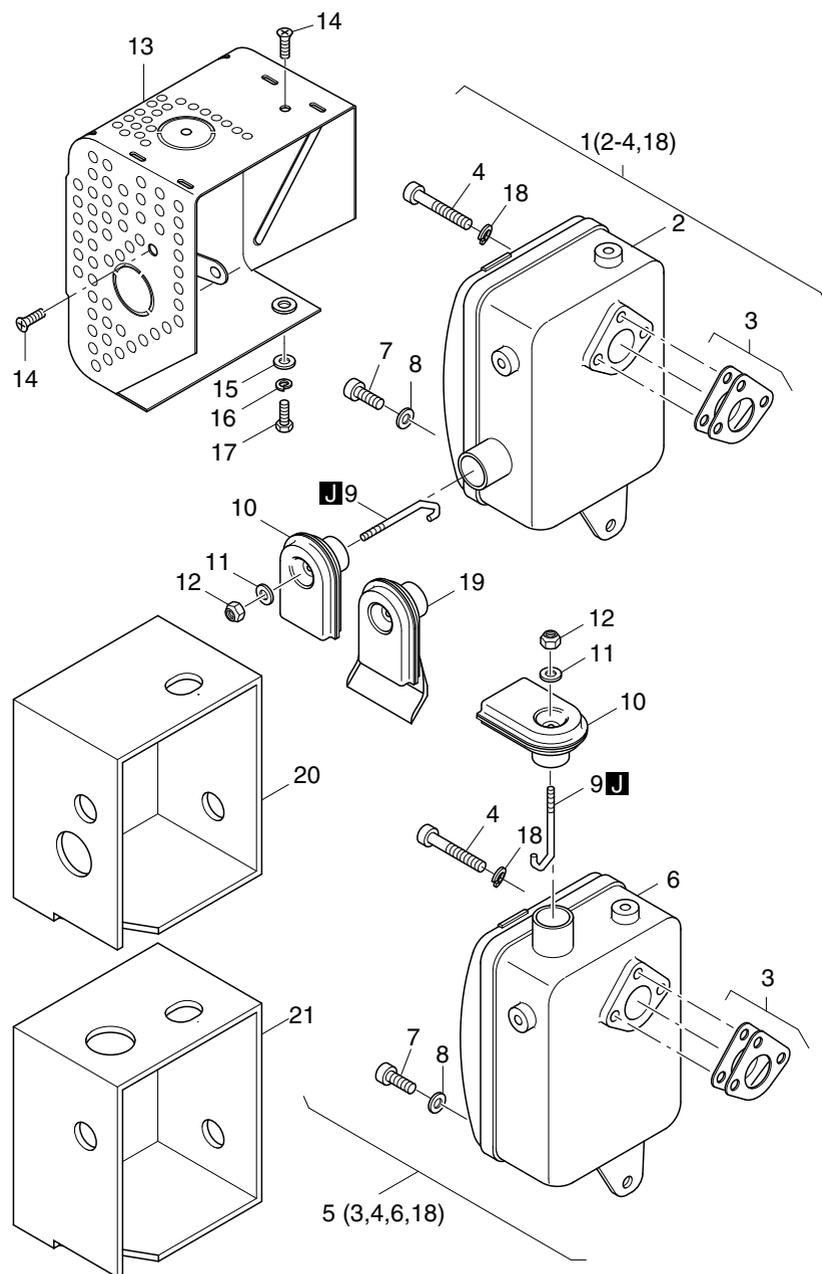


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 016 825 01	1	1		
2	-----	-	-		
3	0000 017 327 01	1	1		d1
4	0000 504 039 00	3	3		M 8 x 25 DIN 912-8.8C4P
5	0000 017 016 01	1	1		
6	-----	-	-		
7	0000 504 742 00	1	1		M6x16 DIN912-8.8 A3C Tuf.360
8	0000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

Z05a

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

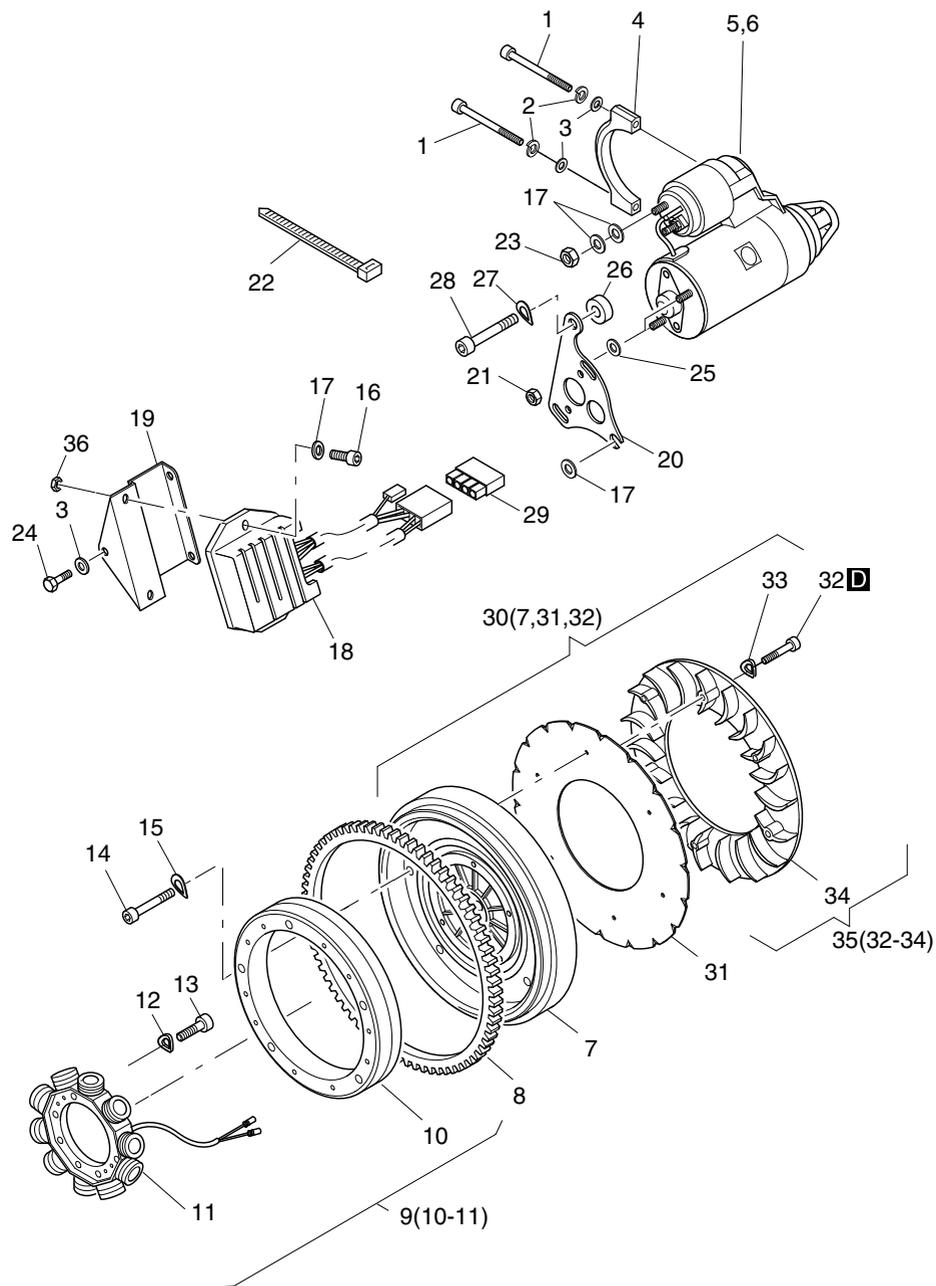


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 504 023 00	2	2		M 6 x 70 DIN 912-8.8A3C
2	0000 501 709 00	2	2		6 DIN 128 - A3C
3	0000 501 445 00	3	3		6,4 DIN 125-St A3C
4	0000 040 991 00	1	1		
5	0000 505 246 00	1	1		12V 1,2kW
6	0000 505 127 00	1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

Z05b, Z10, Z11 Electric equipment, wirings
 Armaturenkasten, Leitungen
 Equipement électrique, cable
 Cuadro de mando, cables
 Cruscotto, cablaggio

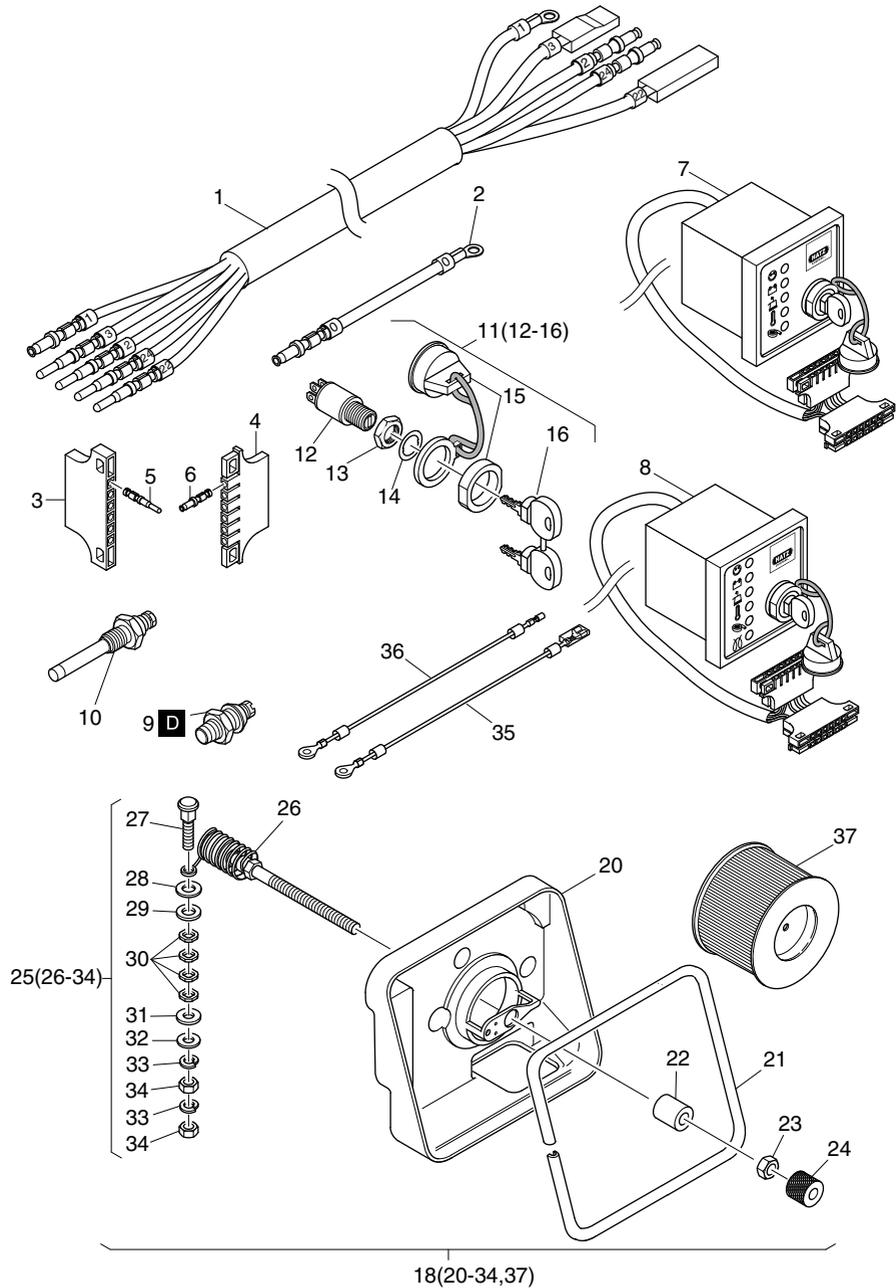


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
		1B40V/W EPA IV		
1	0000 016 670 01	1		
2	0000 015 483 00	1		(0)
3	0000 503 736 00	1		
4	0000 503 737 00	1		
5	0000 503 741 00	5		0,5 - 1,0
6	0000 503 739 00	6		1,5 - 2,5
7	0000 015 518 03	1		12 V, A 1
8	0000 015 589 01	1		12 V / 24 V, Aut.
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
 Equipement électrique, cable
 Cuadro de mando, cables
 Cruscotto, cablaggio

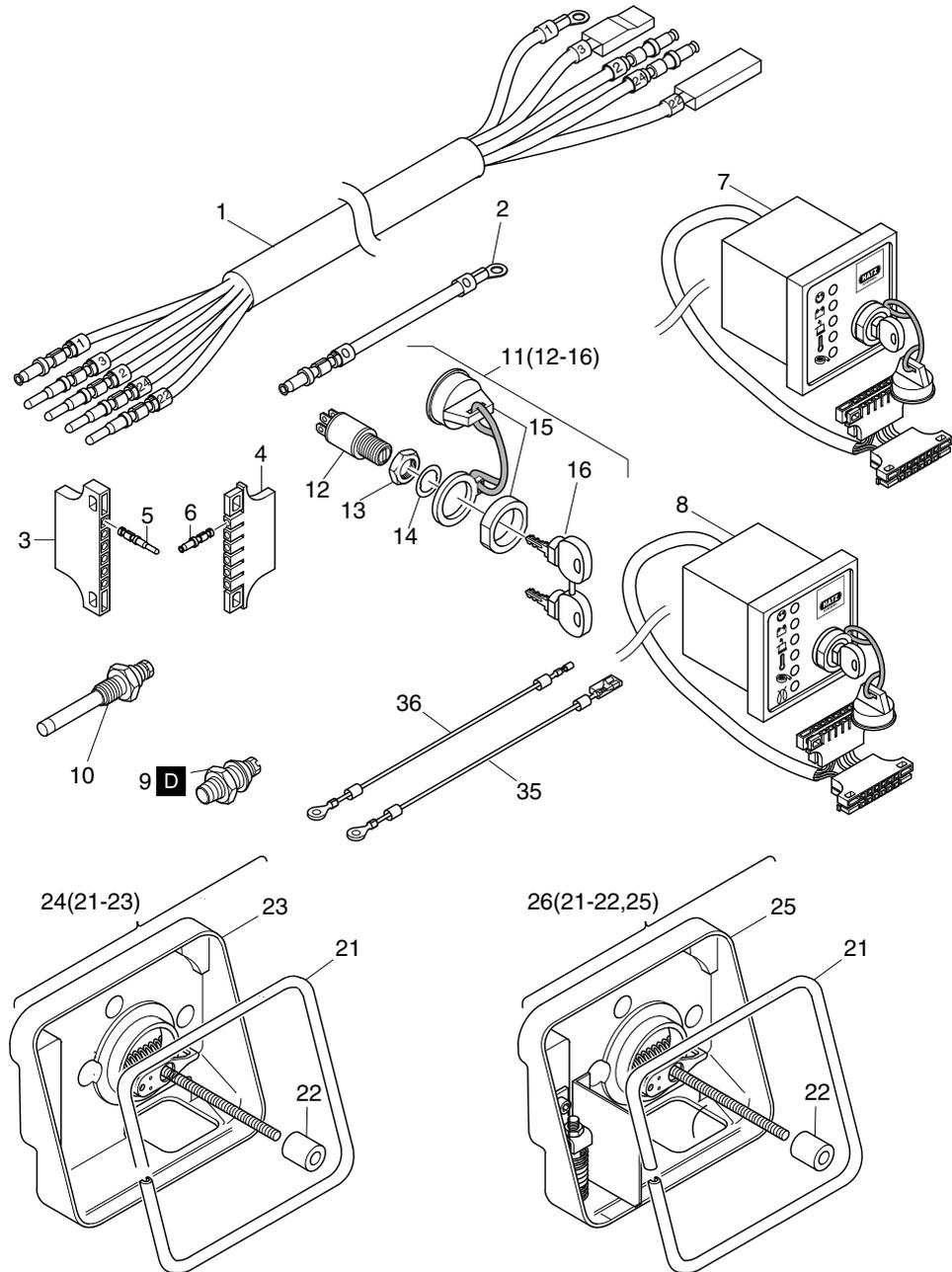


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
		1B50V/W EPA IV		
1	0000 016 670 01	1		
2	0000 015 483 00	1		(0)
3	0000 503 736 00	1		
4	0000 503 737 00	1		
5	0000 503 741 00	5		0,5 - 1,0
6	0000 503 739 00	6		1,5 - 2,5
7	0000 015 518 03	1		12 V, A 1
8	0000 015 589 01	1		12 V / 24 V, Aut.
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

Z09a

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

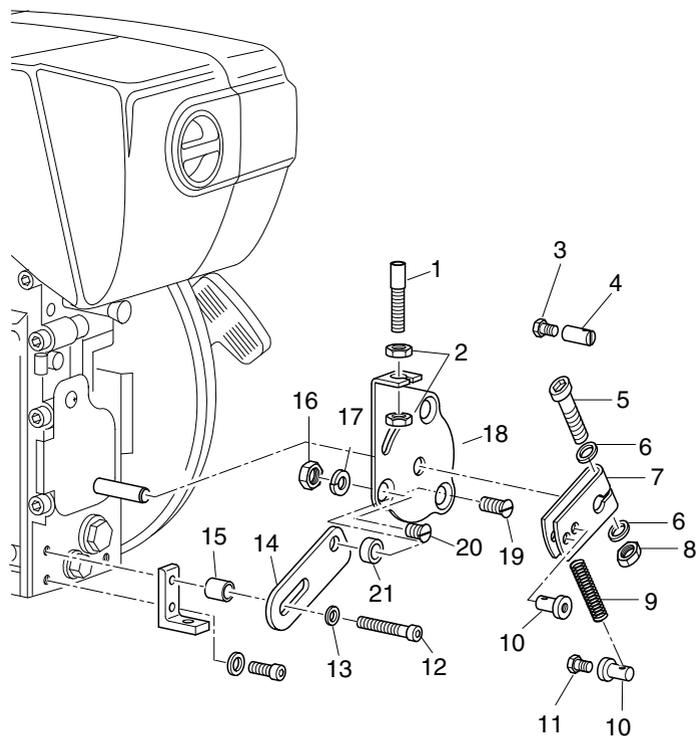
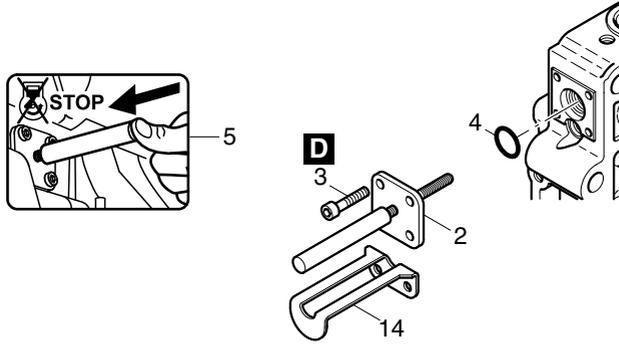


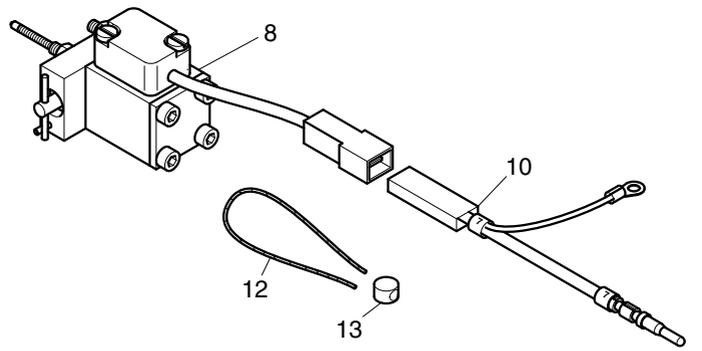
Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 051 412 00	1	1		M 6
2	0000 501 444 00	2	2		M 6 DIN 934 - 8 A3C
3	0000 500 250 00	1	1		M 4 x 10 DIN 933-8.8 A3C
4	0000 504 830 00	1	1		2,2 NR. 1120
5	0000 505 119 00	1	1		M 5 x 30 DIN 912-8.8 A3C
6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

Z09b

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



1(2-5)



7(8,10,12-13)

Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W 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		

Z18

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

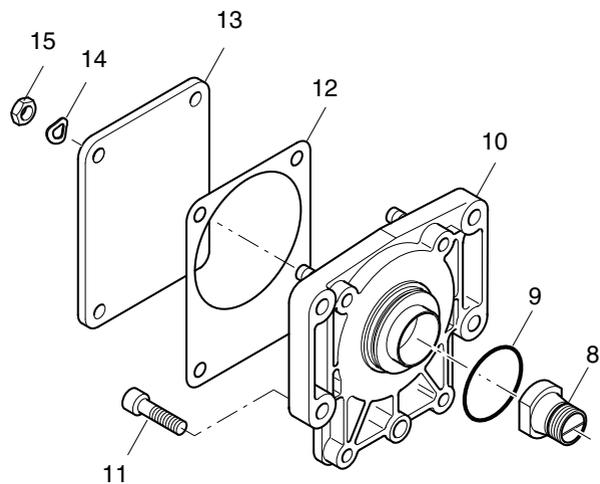
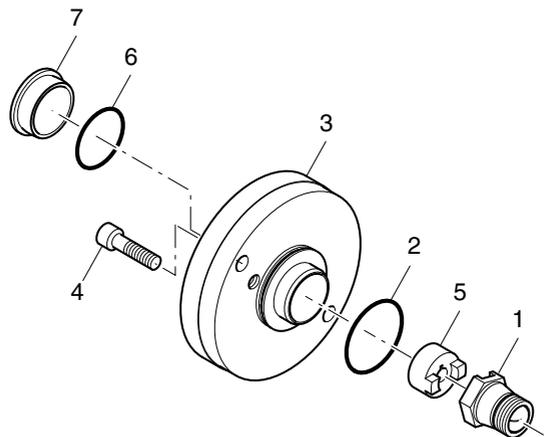


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 015 581 00	1	1		
2	0000 504 545 00	1	1		44 x 1,5
3	0000 052 122 00	1	1		(BOSCH)
4	0000 501 759 00	2	2		M 8 x 30 DIN 912-8.8A3C
5	0000 051 147 00	1	1		
6	0000 502 882 00	1	1		32 x 2,5
7	0000 501 631 01	1	1		F 25 ø 31,8
8	0000 015 580 00	1	1		
9	0000 504 545 00	1	1		44 x 1,5
10	0000 016 909 01	1	1		(BOSCH)
11	0000 504 943 00	4	4		M 8 x 20 DIN 912-8.8 Tuf.
12	0000 035 680 00	1	1		
13	0000 037 616 00	1	1		
14	0000 500 951 00	4	4		A 8 DIN 137 A3C
15	0000 501 480 00	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

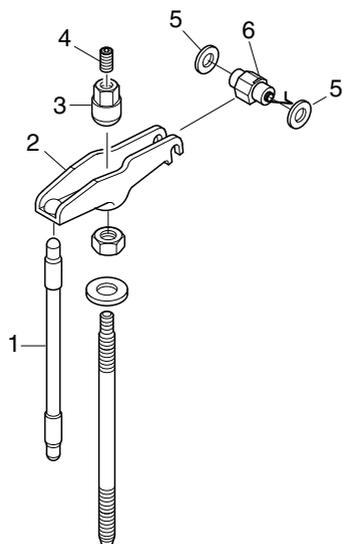


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
		1B40V/W EPA IV		
1	0000 013 740 00	2		
2	0000 051 467 01	2		
3	0000 050 547 00	2		
4	0000 505 131 00	2		
5	0000 052 407 00	0... 4		M 8 x 10 DIN 916-45H
5	0000 504 451 00	0... 4		6 x 12 x 1,35
6	0000 017 760 00	2		6 x 12 x 1,2 DIN 988

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

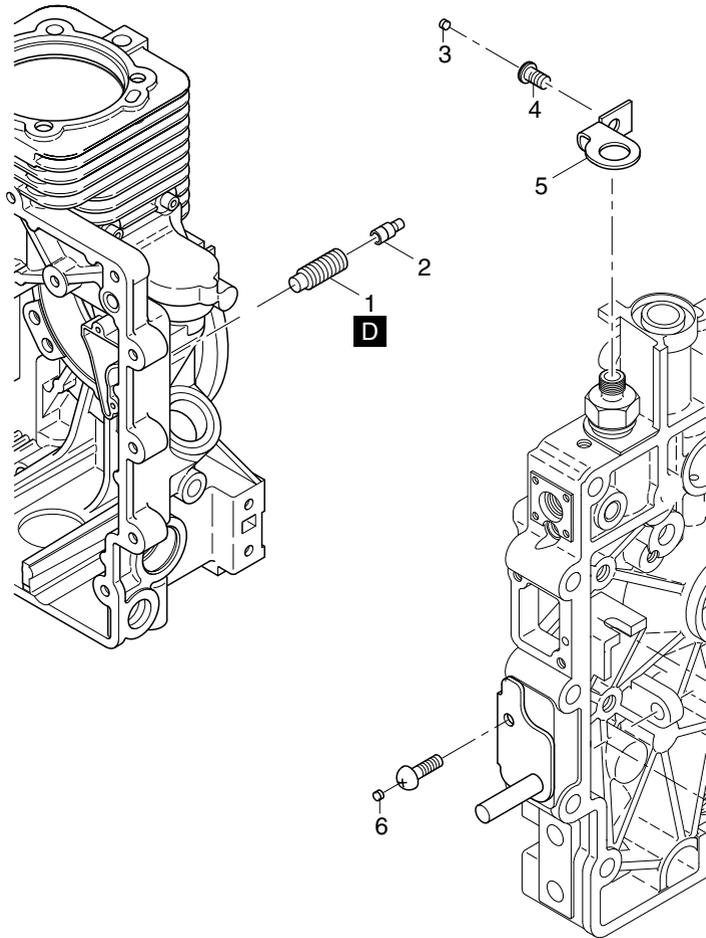


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B40V/W EPA IV	1B50V/W EPA IV		
1	0000 041 988 00	1	1		
2	0000 041 505 00	1	1		6
3	0000 041 706 00	1	1		4,15
4	0000 504 950 00	1	1		M 6 x 12 DIN 7380-10.9 A3C
5	0000 041 853 01	1	1		
6	0000 052 015 00	1	1		3



HATZ service network

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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	Maszyny Budowlane "JAS"	+48 - 89 - 5 34 59 74
PL	Poland	84-122 Zelistrzewo	E.M.A. Hochschulz 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	SODEQ S.A.	+222 - 5 25 47 30



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RL	Lebanon	1102-2070 Beirut	Nagib Baki & Sons	+961 - 1 - 36 52 62
RM	Madagascar	Tananarive	Société Arneca	+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 Arlöv	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 Kojsservice 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

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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 Mahfadi & Abo-Miskah Co. Ltd.	+967 - 1 - 22 47 66, 22 25 29
YV	Venezuela	Caracas	Maquinarias Larraq, 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 serien
Modificación de los Nos de serie
Modifica dei codici

IMT-No.

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