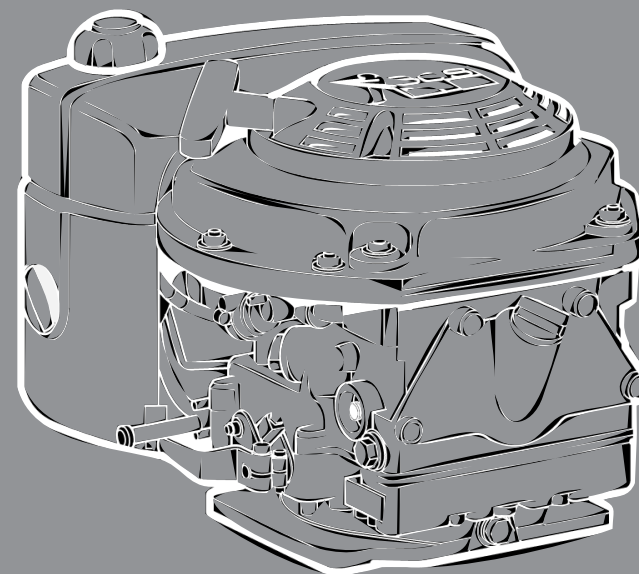


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Fax +49 8531 319-418
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www.hatz-diesel.com

CREATING POWER SOLUTIONS.



1B20V. | 1B30V.

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

Hatz Service

0000 434 800 83 - 34 - 07.2012 - 0.2

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

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

Nearest HATZ service station:

Nächste HATZ-Servicestelle:

Station-service HATZ la plus proche:

Servicio HATZ más cercano:

Più vicino centro di servizio HATZ:

www.hatz-diesel.com

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

1 B 20V.22 □ (111 22)
1 B 30V.18 EPA IV □ (112 18)

Beispiel: / Example: / Exemple: / Ejemplo: / Esempio: 111 22 12 123456

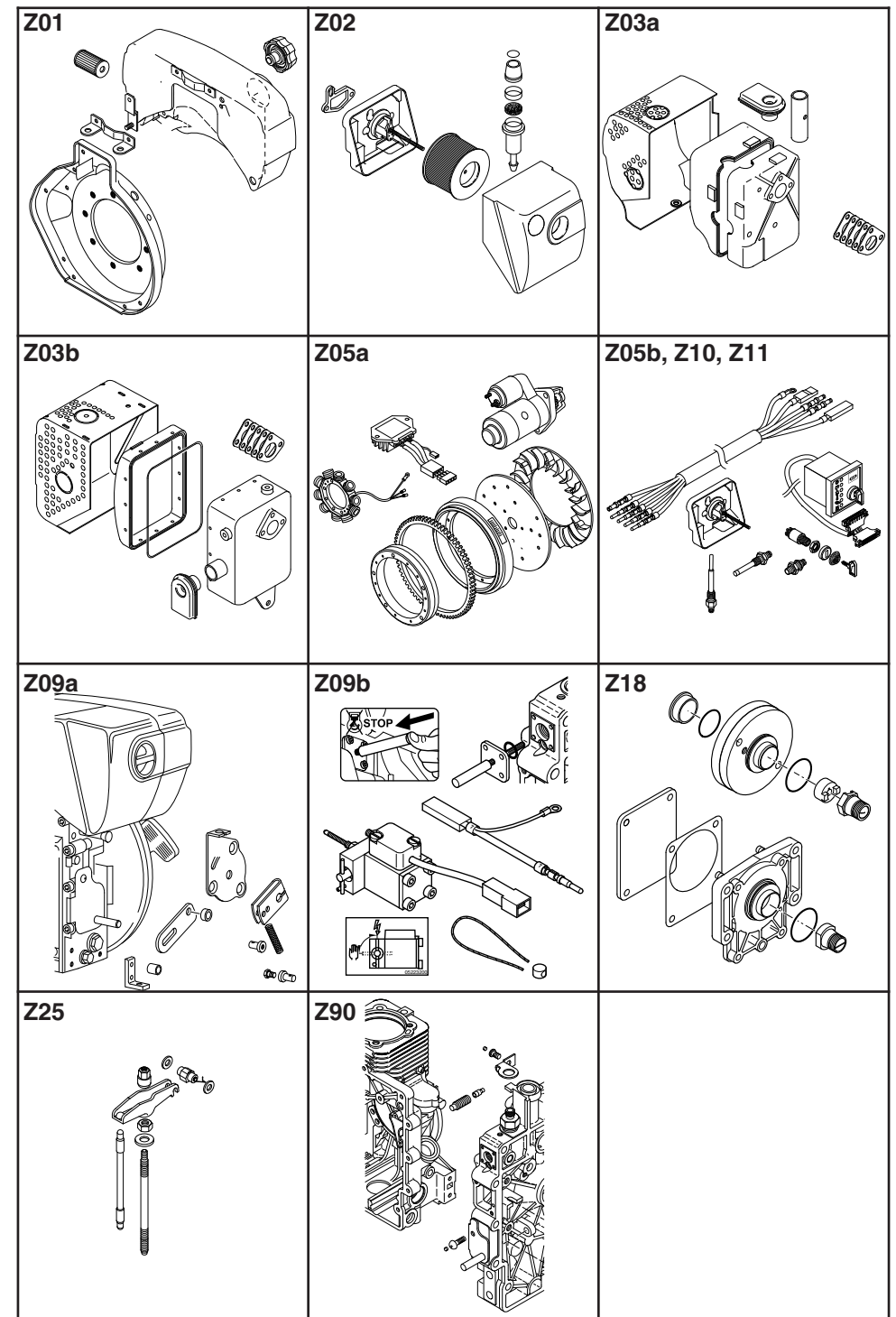
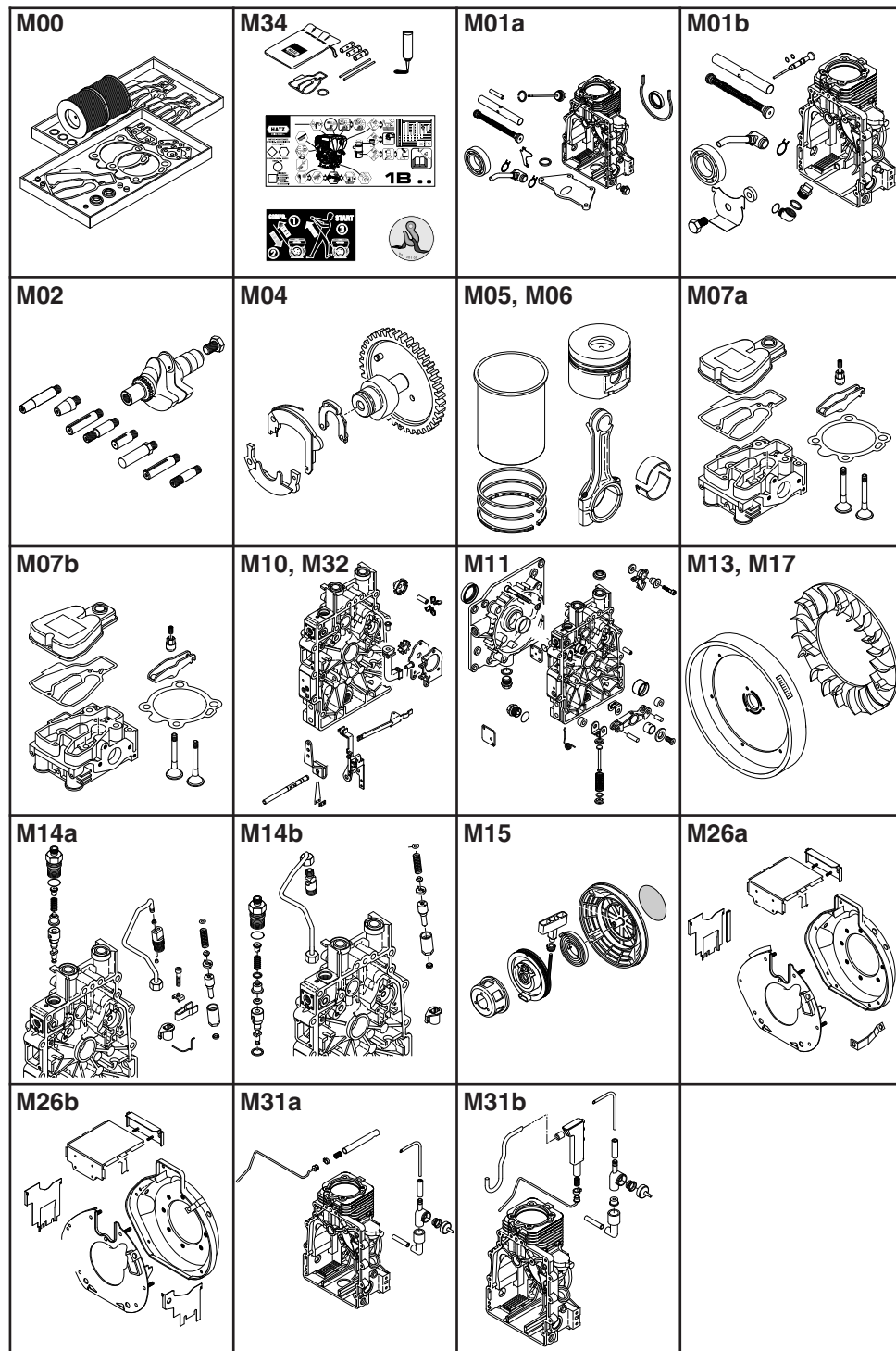
Engine type No. | Engine series | Prod. year | Consecutively number

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

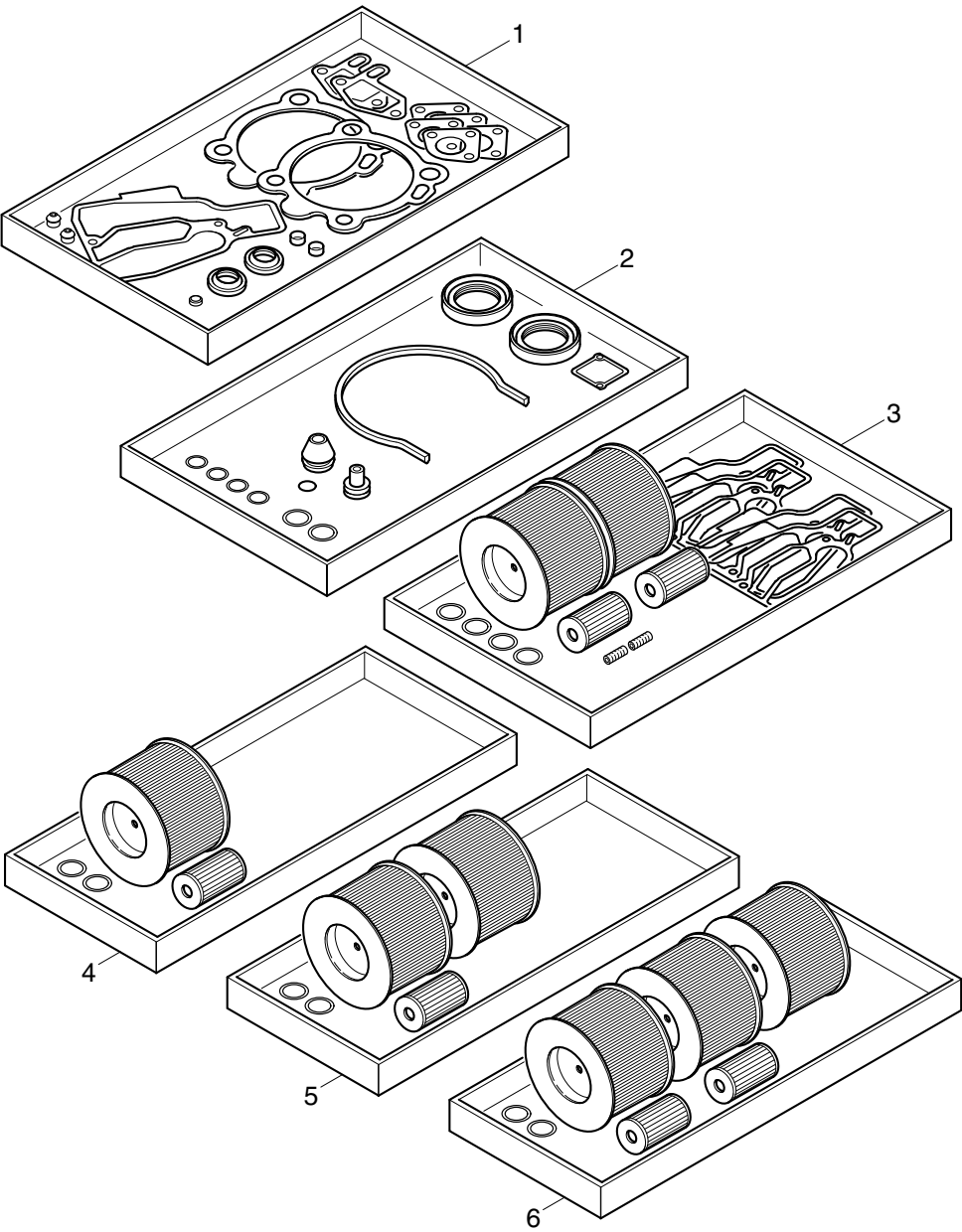


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV	
W: Im Wartungssatz enthalten. Incl. in maintenance kit. Contenu dans le jeu d'entretien. Incluido en el juego de mantenimiento. Contenuto nella serie manutenzione.				
D: Im Dichtungssatz Kurbelgeh. Incl. in gasket set crankcase. Contenu dans le jeu de joints carter moteur. Incluido en el juego de juntas caja cigueñal. Contenuto nella serie guarnizioni basamento.				
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.				
1	0000 015 541 01	1	-	Dichtungssatz für 1 Zylinderkopf Gasket set for 1 cyl. head Jeu de joint p. 1 culasse Juego de juntas para 1 culata Serie guarnizioni per 1 testa
1	0000 015 822 11	-	1	
2	0000 017 095 04	1	-	Dichtungssatz für Kurbelgehäuse Gasket set for crankcase Jeu de joints p. carter moteur Juego de juntas para caja cigueñal Serie guarnizioni basamento
2	0000 017 097 03	-	1	
3	0000 017 096 00	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
3	0000 017 098 10	-	1	
4	0000 022 654 00	1	1	Filterprogramm Filter program Progr. de filtr. Progr. de filtros Programma di filtro
5	0000 022 679 00	1	1	
6	0000 022 690 00	1	1	

Accessories
Zubehör
Accessoires
Accesorios
Kit accessori

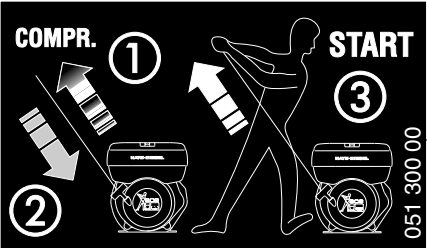
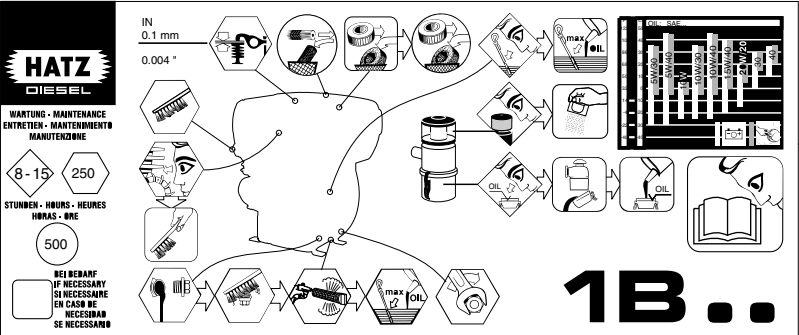
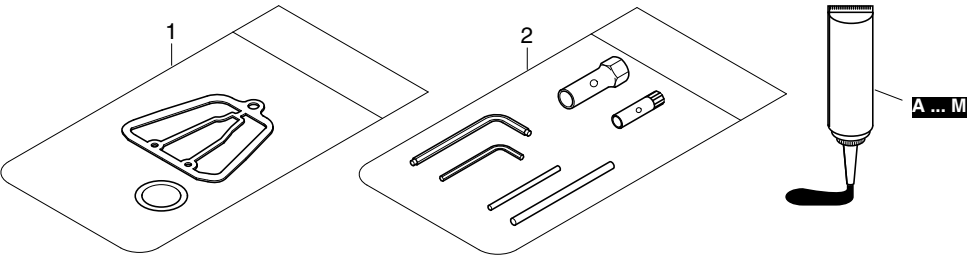


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 013 310 02	1	-		Zubehörsatz - Accessoires kit
1	0000 015 787 10	-	1		
2	0000 013 309 01	1	1		Werkzeugsatz - Tool set 160 x 67mm
3	0000 051 104 06	1	1		
4	0000 051 300 02	1	1		

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
B =	0000 502 231 01	Loctite 574	50 ml	
C =	0000 502 232 00	Loctite 601	50 ml	
D =	0000 502 233 00	Loctite 221	50 ml	
E =	0000 502 234 00	Loctite 648	10 ml	suivant les remarques sur les 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 tablas correspondientes
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	seguire le indicazioni sul quadro corrispondente
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 - 1B20V
Kurbelgehäuse - 1B20V
Carter moteur - 1B20V
Caja cigueñal - 1B20V
Basamento motore - 1B20V

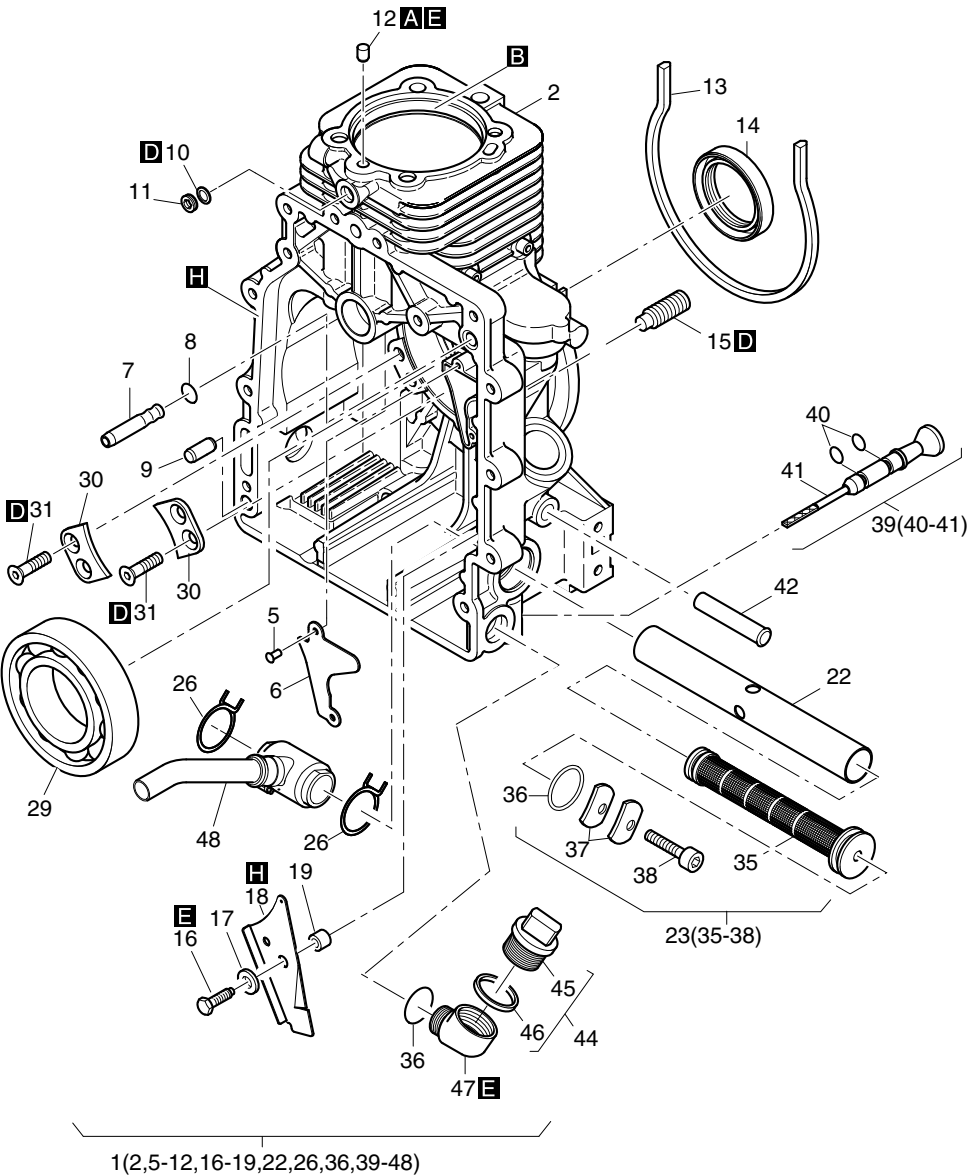


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B20V				
1	0000 016 250 21	1		
2	-----	-		
5	0000 400 026 00	2		3,2
6	0000 020 259 00	1		
7	0000 050 843 00	1		
8	0000 504 403 00	1		D1 8 x 1,5
9	0000 502 491 02	1		8 M 6 x 20 2-Fasen
10	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
11	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3C
12	-----	-		
13	0000 040 980 00	1		D1 318 mm
14	0000 504 232 00	1		D1 40 x 55 x 10 AS
15	0000 041 506 00	1		
16	0000 502 079 00	1		M 6 x 20 DIN 933-8.8 A3C
17	0000 501 445 00	1		6,4 DIN 125-St A3C
18	0000 042 224 01	1		
19	0000 042 295 00	1		6,5 x 13 x 9,5
22	0000 041 057 10	1		
23	0000 015 427 03	1		
26	0000 050 369 00	2		
29	0000 504 233 00	1		
30	0000 040 944 00	2		
31	0000 505 643 00	4		M 6 x 16 8.8 MK PRE 80-8
35	-----	-		
36	0000 504 759 01	2		D2 20 x 4
37	0000 051 482 00	2		
38	0000 501 707 00	1		M 6 x 16 DIN 912-8.8A3C
39	0000 013 505 02	1		
40	0000 400 220 00	2		D2 5 x 2
41	-----	-		
42	-----	-		
44	0000 016 131 00	1		
45	-----	-		
46	0000 041 250 00	1		26 x 35 x3
47	0000 041 637 00	1		
48	0000 013 398 00	1		

M01b

Crankcase - 1B30V
Kurbelgehäuse - 1B30V
Carter moteur - 1B30V
Caja cigueñal - 1B30V
Basamento motore - 1B30V

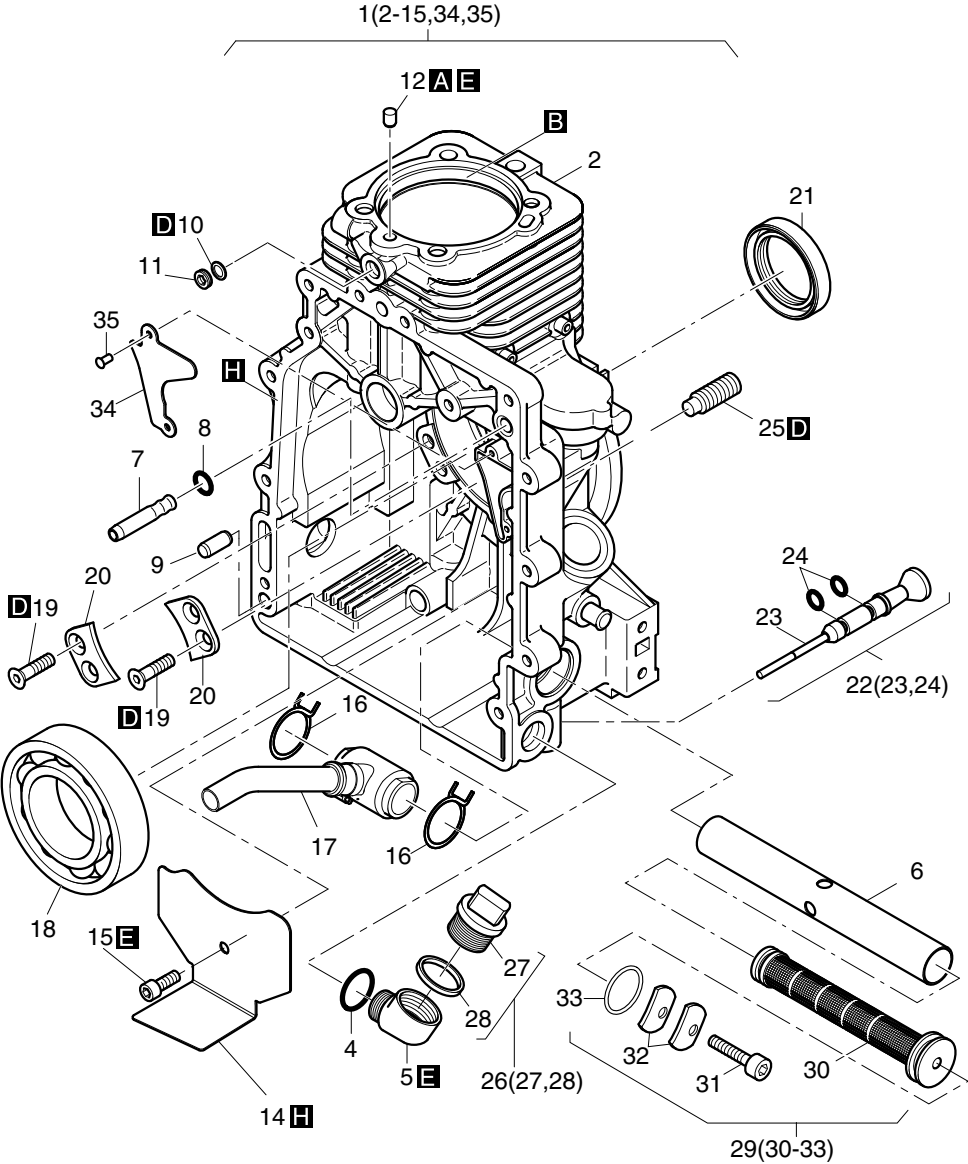


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
1	0000 017 063 10	1		
2	-----	-		
4	0000 504 759 01	1		D1 20 x 4
5	0000 041 637 00	1		
6	0000 041 057 10	1		
7	0000 050 843 00	1		
8	0000 504 403 00	1		D1 8 x 1,5
9	0000 502 491 02	1		8 M 6 x 20 2-Fasen
10	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
11	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3C
12	-----	-		
14	0000 041 656 10	1		
15	0000 500 627 00	1		M 6 x 10 DIN 912-8.8 A3C
16	0000 050 369 00	2		
17	0000 013 398 00	1		
18	0000 504 497 00	1		
19	0000 505 643 00	4		M 6 x 16 8.8 MK PRE 80-8
20	0000 040 944 00	2		
21	0000 504 498 00	1		D1 42 x 55 x 10 AS
22	0000 013 505 02	1		
23	-----	-		
24	0000 400 220 00	2		D1 5 x 2
25	0000 041 506 00	1		
26	0000 016 131 00	1		
27	-----	-		
28	0000 041 250 00	1		D1 26 x 35 x3
29	0000 015 427 03	1		
30	-----	-		
31	0000 501 707 00	1		M 6 x 16 DIN 912-8.8A3C
32	0000 051 482 00	2		
33	0000 504 759 01	1		D1 20 x 4
34	0000 013 331 11	1		
35	0000 400 026 00	2		3,2

Crankshaft
Kurbelwelle
Vilebrequin
Cigueñal
Albero a gomito

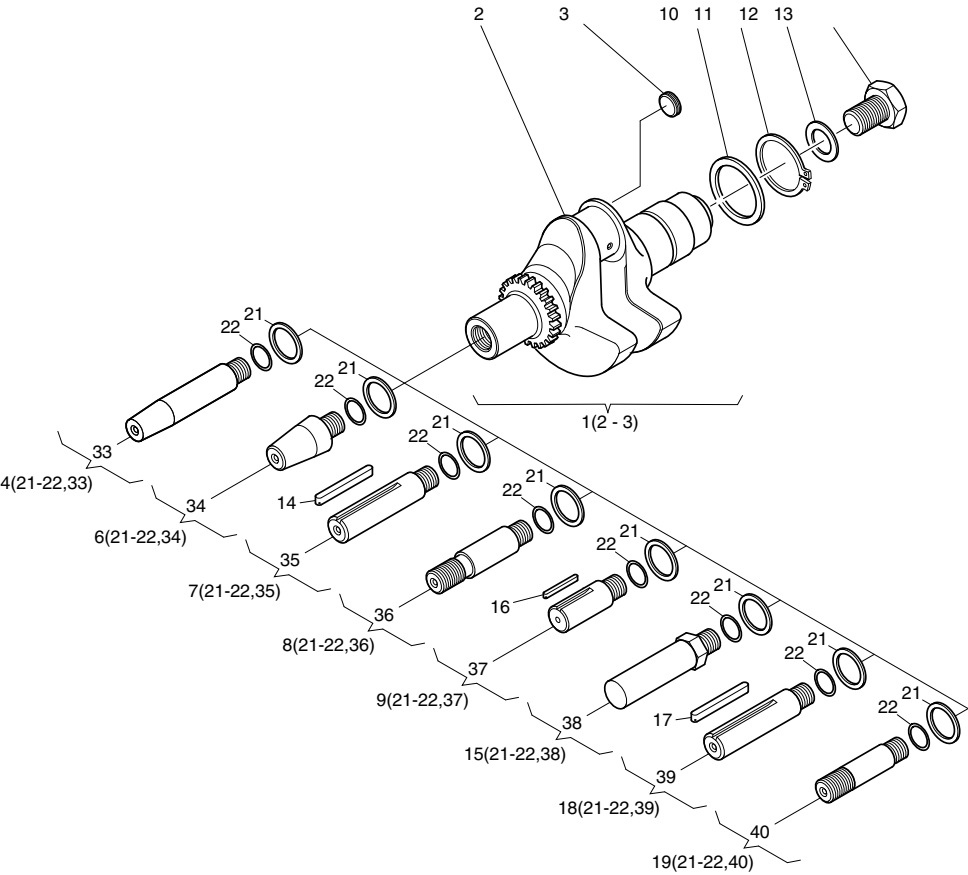


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 013 403 10	1	-		
1	0000 013 612 01	-	1		1B30V "X"
2	-----	-	-		
3	0000 042 876 00	1	1		12
4	0000 013 252 02	1	-		Nr. 4 SAE Generator ø 19,8 mm
4	0000 051 274 02	-	1		Nr. 4 SAE Generator ø 7/8"
6	0000 013 246 02	1	1		Nr. 6 ital. 23 keg., con.
6	0000 015 953 02	-	1		keg., con. ø 25 f. Gen.
7	0000 013 247 02	1	-		Nr. 7 - ø 3/4" zyl., cil.
7	0000 015 807 04	-	1		Nr. 2 - ø 1" zyl., cil.
8	0000 013 248 02	1	-		Nr. 8 SAE 3/4" - 16 UNF 2A
8	0000 015 808 05	-	1		Nr. 1 - SAE ø 1" - 14 UNS 2A
9	0000 013 249 02	1	-		ø 20 zyl., cil.
9	0000 015 806 02	-	1		ø 25 zyl., cil.
10	0000 400 325 00	1	-		40 x 50 x 2,5 DIN 988
10	0000 400 656 00	-	1		45 x 55 x 3,0
11	0000 501 206 00	1	-		A 40 x 1,75 DIN 471
11	0000 500 216 00	-	1		A 45 x 1,75 DIN 471
12	0000 041 142 01	1	1		18,5 x 37 x 5
13	0000 504 436 00	1	1		M 18 x 1,5 x 55 DIN 961 - 10.9
14	0000 041 204 00	1	-		4,75 x 30
14	0000 051 416 00	-	1		A 6,35 x 61
15	0000 015 540 02	1	1		SW 27 mm, ø 26,8 mm
16	0000 504 634 00	1	-		A 5 x 5 x 36 DIN 6885
16	0000 504 737 00	-	1		7 x 8 x 45 DIN 6885
17	0000 504 634 00	1	1		A 5 x 5 x 36 DIN 6885
18	0000 013 491 02	1	1		ø 22,2 zyl., cil.
19	0000 017 285 03	1	1		5/8
21	0000 052 943 00	1	1		23,3 x 30 x 1,75
22	0000 506 081 00	1	1		18 x 1,5
33	-----	-	-		
34	-----	-	-		
35	-----	-	-		
36	-----	-	-		
37	-----	-	-		
38	-----	-	-		
39	-----	-	-		
40	-----	-	-		

M04

Camshaft
Nockenwelle
Arbre à cames
Arbol de levas
Albero a camme

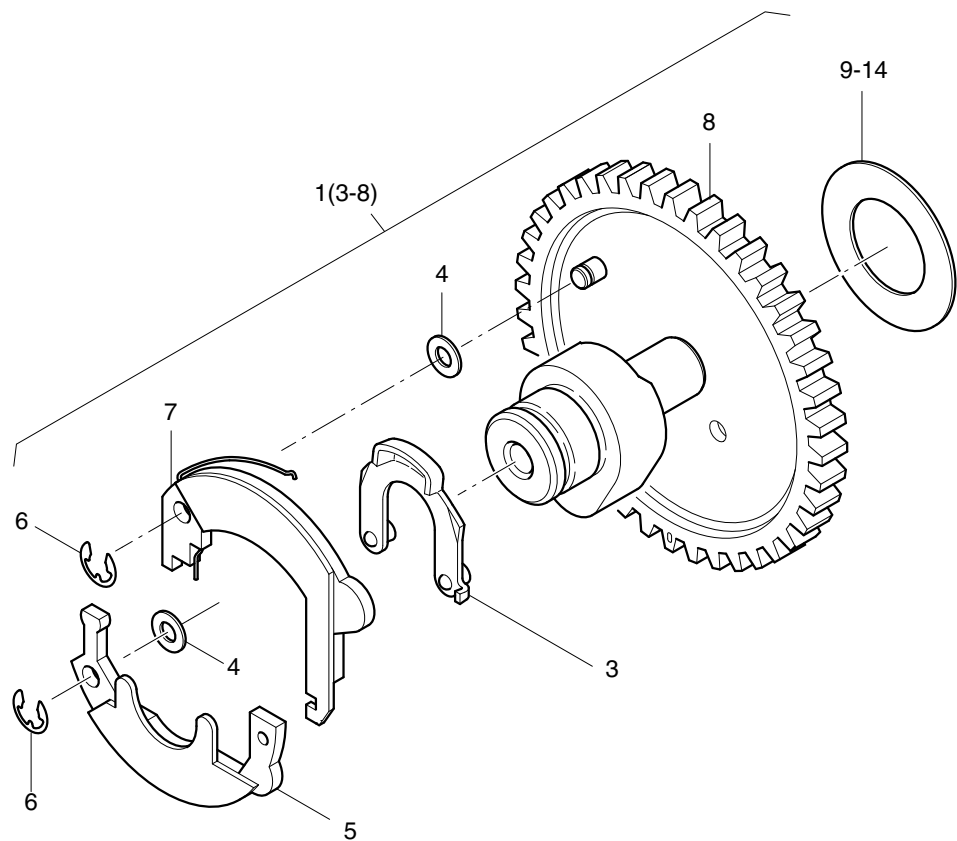


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 013 650 02	0... 1	0... 1		
3	0000 013 264 01	1	1		
4	0000 501 232 00	2	2		5 x 10 x 0,5 DIN 988
5	0000 013 266 00	1	1		
6	0000 502 553 00	2	2		3,2 DIN 6799
7	0000 013 649 00	1	1		
8	0000 017 224 01	0... 1	0... 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, bielle, cylindre
Embolo, biela, cilindro
Pistone, biella, cilindro

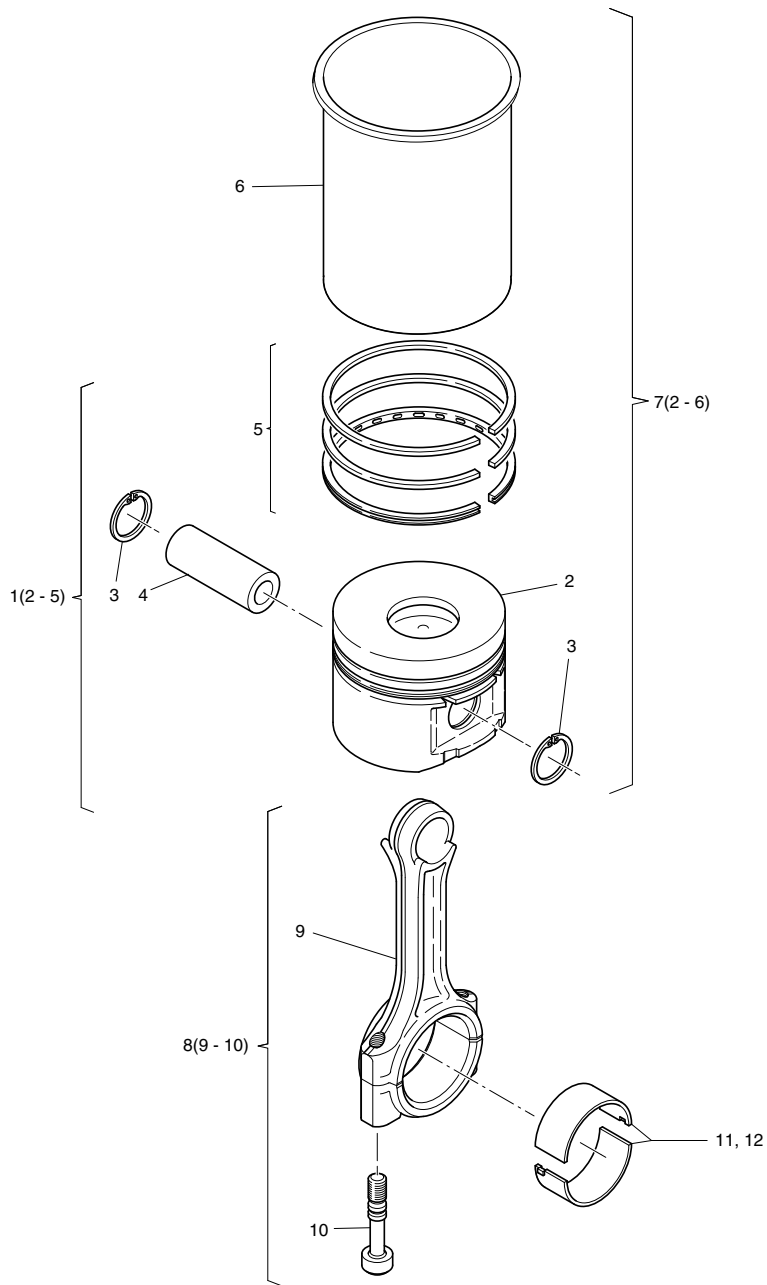


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 013 481 30	1	-		69 mm Hub 65mm
1	0000 013 906 20	-	1		80 mm
2	-----	-	-		
3	0000 504 255 00	2	-		18 x 1 DIN 472
3	0000 504 640 00	-	2		
4	-----	-	-		
5	0000 013 480 00	1	-		1,5-1,5-3,0mm
5	0000 013 907 00	-	1		
6	-----	-	-		
7	0000 015 545 30	1	-		Hub 65mm
7	0000 015 826 20	-	1		
8	0000 015 001 00	1	-		
8	0000 013 292 01	-	1		
9	-----	-	-		
10	0000 050 469 00	2	-		
10	0000 041 131 00	-	2		
11	0000 015 757 00	1	-		
11	0000 015 821 00	-	1		
12	0000 015 819 00	1	-		-0,5 mm
12	0000 015 820 00	-	1		-0,5 mm

M07a

Cylinder head - 1B20V
Zylinderkopf - 1B20V
Culasse - 1B20V
Culata - 1B20V
Testa - 1B20V

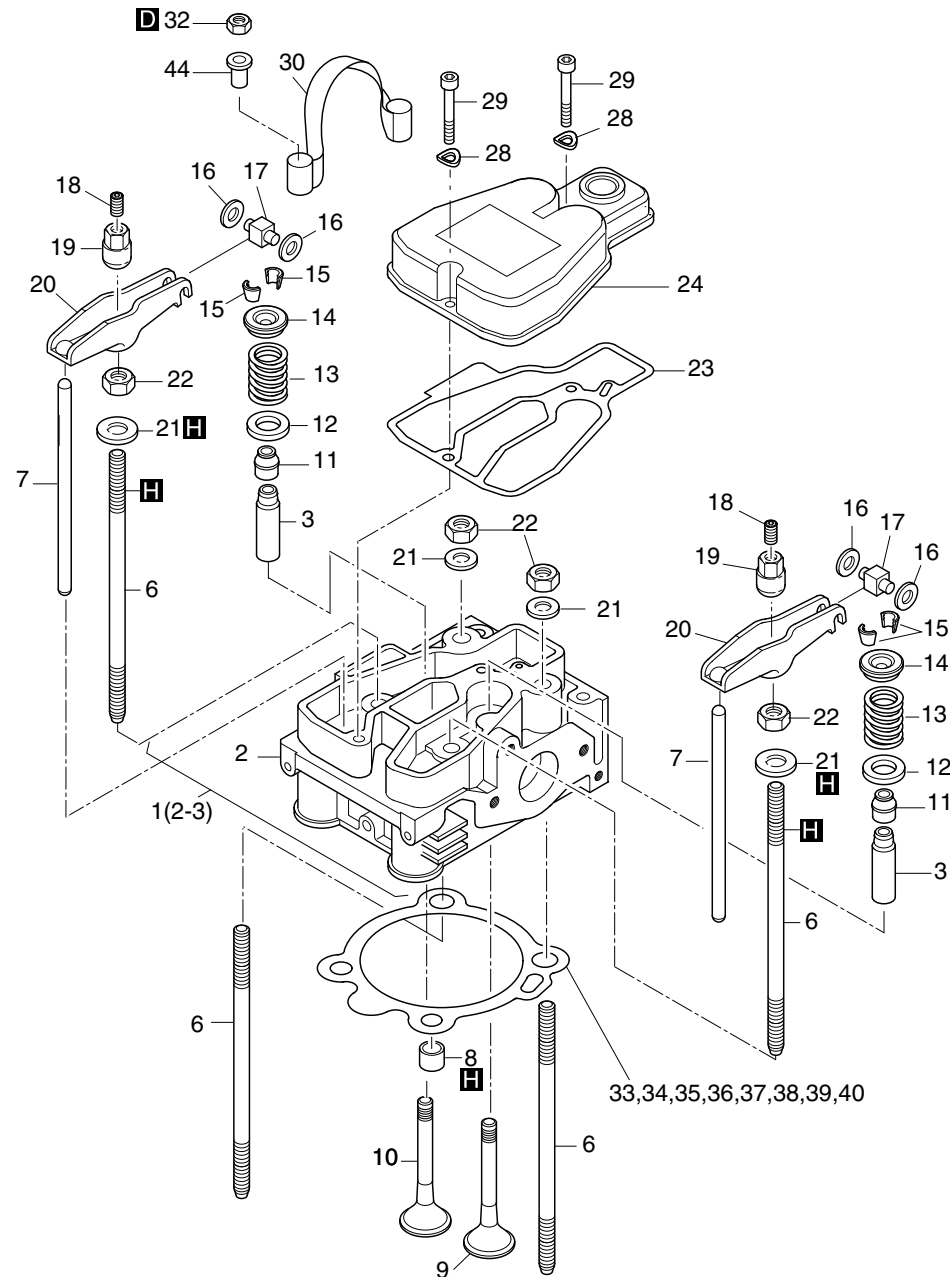


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B20V				
1	0000 013 935 00	1		
2	-----	-		
3	0000 051 194 00	2		
6	0000 050 625 00	4		128 mm
7	0000 050 540 00	2		
8	0000 041 075 00	2	d2	
9	0000 050 532 00	1		
10	0000 050 533 00	1		
11	0000 504 258 00	2	d2	
12	0000 040 937 00	2		
13	0000 040 936 00	2		
14	0000 040 938 00	2		
15	0000 022 525 00	2		
16	0000 052 407 00	0... 4		6 x 12 x 1,35
16	0000 504 451 00	0... 4		6 x 12 x 1,2 DIN 988
17	0000 050 911 01	2		
18	0000 505 131 00	2		W2 M 8 x 10 DIN 916-45H
19	0000 050 547 00	2		
20	0000 050 509 02	2		
21	0000 050 612 01	4		8,1 x 20 x 3
22	0000 503 643 00	4		M 8 DIN 934 - 10.9 A3C
23	0000 050 557 00	1	d1, W4	
24	0000 050 473 21	1		
28	0000 500 812 00	2		A 6 DIN 137 - A3C
29	0000 503 749 00	2		M 6 x 35 DIN 912-8.8A3C
30	0000 041 176 10	1		
32	0000 501 295 00	2		M 8 DIN 985-8 A3C
33	0000 050 594 00	0... 1		0,3 mm
33	0000 042 520 00	0... 1		0,35 mm
34	0000 050 595 00	0... 1		0,4 mm
34	0000 042 521 00	0... 1		0,45 mm
35	0000 050 596 00	0... 1	d1	0,5 mm
35	0000 042 522 00	0... 1		0,55 mm
36	0000 050 597 00	0... 1	d1	0,6 mm
36	0000 042 523 00	0... 1		0,65 mm
37	0000 050 598 00	0... 1	d1	0,7 mm
37	0000 042 524 00	0... 1		0,75 mm
38	0000 050 599 00	0... 1		0,8 mm
38	0000 042 525 00	0... 1		0,85 mm
39	0000 050 600 00	0... 1		0,9 mm
39	0000 042 526 00	0... 1		0,95 mm
40	0000 050 601 00	0... 1		1,0 mm
44	0000 505 259 00	2		A 10 x 0,75 x 10 DIN 7340

Cylinder head - 1B30V
 Zylinderkopf - 1B30V
 Culasse - 1B30V
 Culata - 1B30V
 Testa - 1B30V

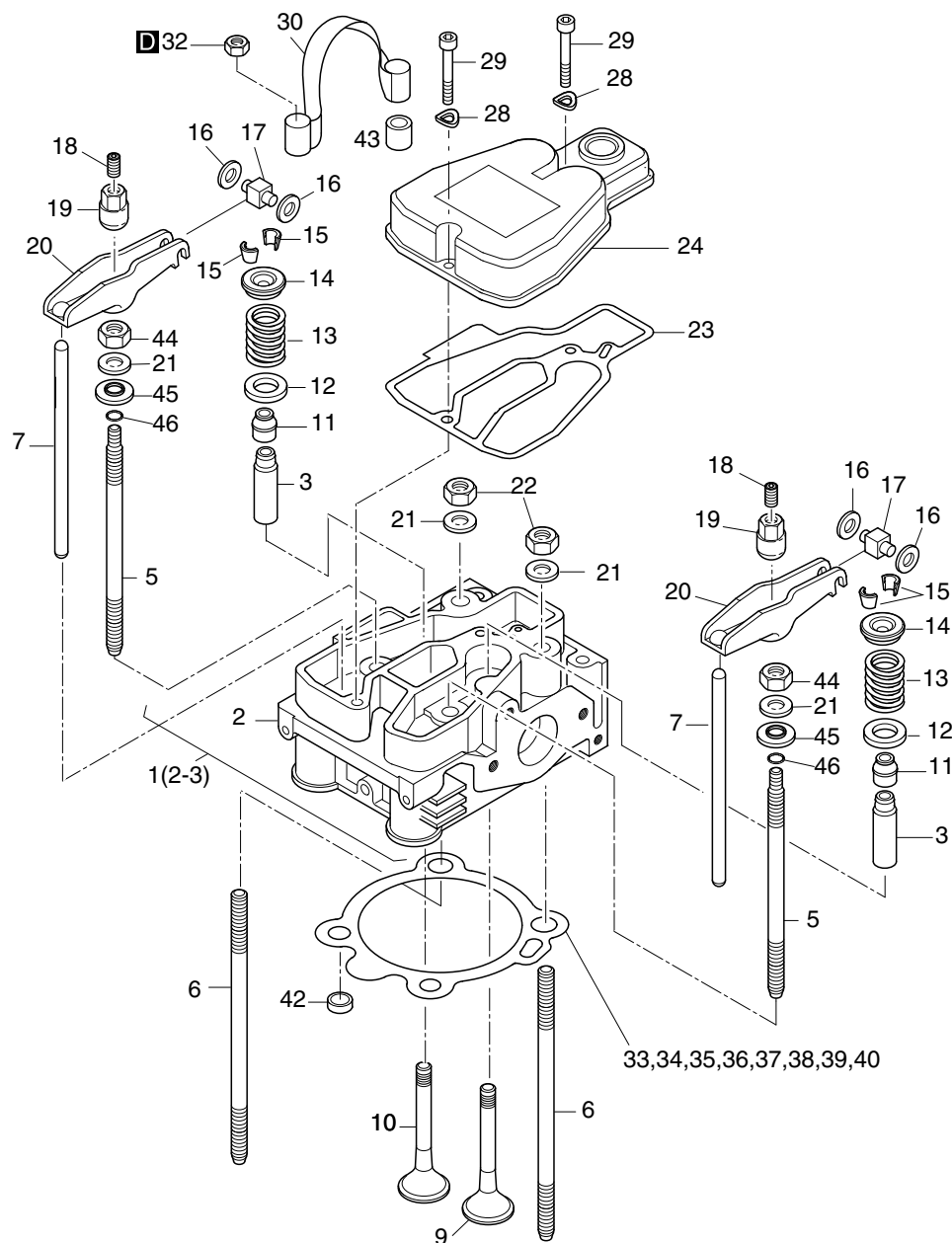


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
1	0000 013 936 10	1		
2	-----	-		
3	0000 051 295 00	2		
5	0000 050 975 00	2		141 mm (M 10 - M 8)
6	0000 050 974 00	2		148 mm (M 10)
7	0000 050 989 00	2		174,8 mm
9	0000 050 930 00	1		
10	0000 050 931 00	1		
11	0000 504 258 00	2	d2	
12	0000 040 937 00	2		
13	0000 041 135 00	2		
14	0000 040 938 00	2		
15	0000 022 525 00	2		
16	0000 052 407 00	0... 4		6 x 12 x 1,35
16	0000 504 451 00	0... 4		6 x 12 x 1,2 DIN 988
17	0000 050 911 01	2		
18	0000 505 131 00	2		W2 M 8 x 10 DIN 916-45H
19	0000 050 547 00	2		
20	0000 050 982 02	2		
21	0000 050 993 00	4		10,1 x 24 x 3
22	0000 503 966 00	2		M 10 DIN 934-10 A3C
23	0000 050 933 10	1	d1, W4	
24	0000 050 927 20	1		
28	0000 500 812 00	2		A 6 DIN 137 - A3C
29	0000 503 749 00	2		M 6 x 35 DIN 912-8.8A3C
30	0000 041 177 01	1		
32	0000 500 238 00	2		BM 10 DIN 439 - A3C
33	0000 050 963 01	0... 1		0,3 mm
34	0000 050 964 01	0... 1		0,4 mm
35	0000 050 965 01	0... 1	d1	0,5 mm
35	0000 042 488 00	0... 1		0,55 mm
36	0000 050 966 01	0... 1	d1	0,6 mm
36	0000 042 489 00	0... 1		0,65 mm
37	0000 050 967 01	0... 1	d1	0,7 mm
37	0000 042 490 00	0... 1		0,75 mm
38	0000 050 968 01	0... 1		0,8 mm
39	0000 050 969 01	0... 1		0,9 mm
40	0000 050 970 01	0... 1		1,0 mm
42	0000 042 290 00	2		10 x 11,5 x 4,5
43	0000 041 261 00	2		(10 x 12 x 9)
44	0000 503 966 00	2		M 10 DIN 934-10 A3C
45	0000 042 437 00	2	d2	
46	0000 505 639 00	2	d2	10x 2,5

M10, M32

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

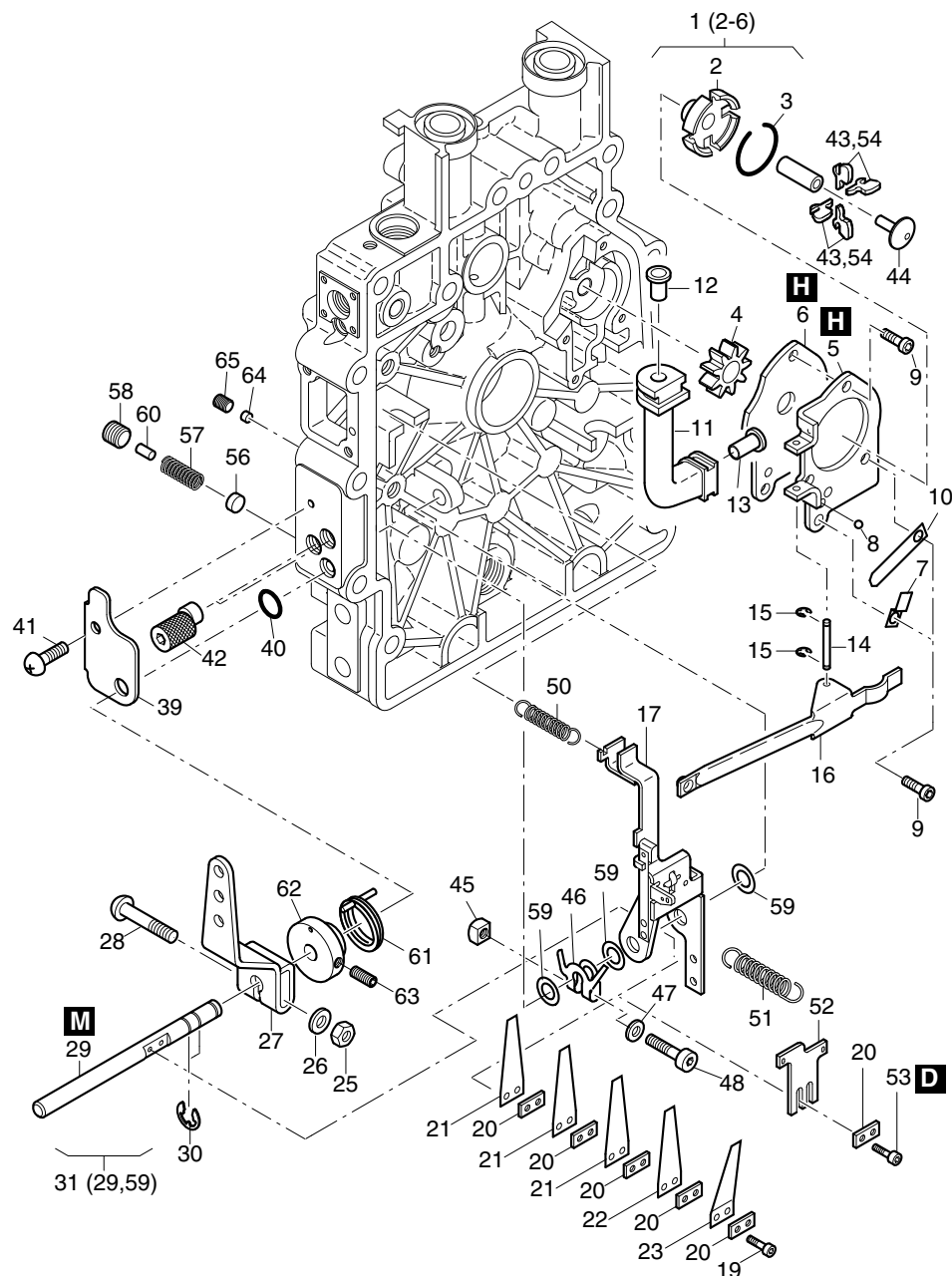


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 015 302 20	1	1		
2	-----	-	-		
3	0000 042 109 10	1	1		
4	-----	-	-		
5	-----	-	-		
6	-----	-	-		
7	0000 050 971 00	1	1		
8	0000 504 479 00	1	1		3,5mm KL. III
9	0000 504 294 00	4	4		M5 x 12 DIN 6912 - 8.8
10	0000 050 973 00	1	1		0,4 mm
11	0000 041 029 00	1	1		
12	0000 504 474 00	1	1		A8 x 0,5 x 12 DIN 7340 - St
13	0000 504 475 00	1	1		A10 x 0,75 x 12 DIN 7340 - St
14	0000 050 786 00	1	1		
15	0000 504 348 00	2	2		1,9 DIN 6799
16	0000 050 794 01	1	1		
17	0000 015 304 04	1	1		
19	0000 504 350 00	2	2		M 3 x 12 DIN 912-8.8
20	0000 050 798 00	1... 5	1... 5		
21	0000 051 316 00	1... 2	1... 3		0,2 mm Gen-PV 78
21	0000 053 855 00	0... 2	0... 2		0,25 mm
22	0000 050 789 00	1... 2	1		0,3 mm Gen-PV 78
23	0000 051 486 00	1	1		0,4 mm 19°Gen-PV 78
25	0000 503 465 00	1	1		M 6 DIN 934 - 10 A2F
26	0000 501 445 00	1	1		6,4 DIN 125-St A3C
27	0000 040 956 00	1	1		
28	0000 039 273 01	1	1		M 6 x 32
29	-----	-	-		
30	0000 500 927 00	2	2		7 DIN 6799 A3C
31	0000 019 810 00	1	1		
39	0000 051 784 00	1	1		
40	0000 400 224 01	1	1		D1 8 x 2 FPM 75 MOLYKOT.
41	0000 504 923 00	1	1		M 5 x 12 ISO 7380-10.9 Zn
42	0000 051 788 10	2	2		
43	0000 050 796 11	0... 4	0... 4		Gen PV 78 (0)
44	0000 050 785 02	1	1		
45	0000 504 227 00	1	1		M 5 DIN 557-5 A3C
46	0000 051 785 00	1	1		
47	0000 502 163 00	1	1		5,3 DIN 125-St A3C
48	0000 504 922 00	1	1		M 5 x 25 DIN 6912-8.8
50	0000 505 634 00	1	1		
51	0000 051 309 10	0... 1	0... 1		
52	0000 051 308 00	1	1		
53	0000 504 653 00	2	2		M 3 x 8 DIN 912-8.8
54	0000 051 602 11	0... 4	0... 4		Gen PV 78 (4)

M10, M32

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

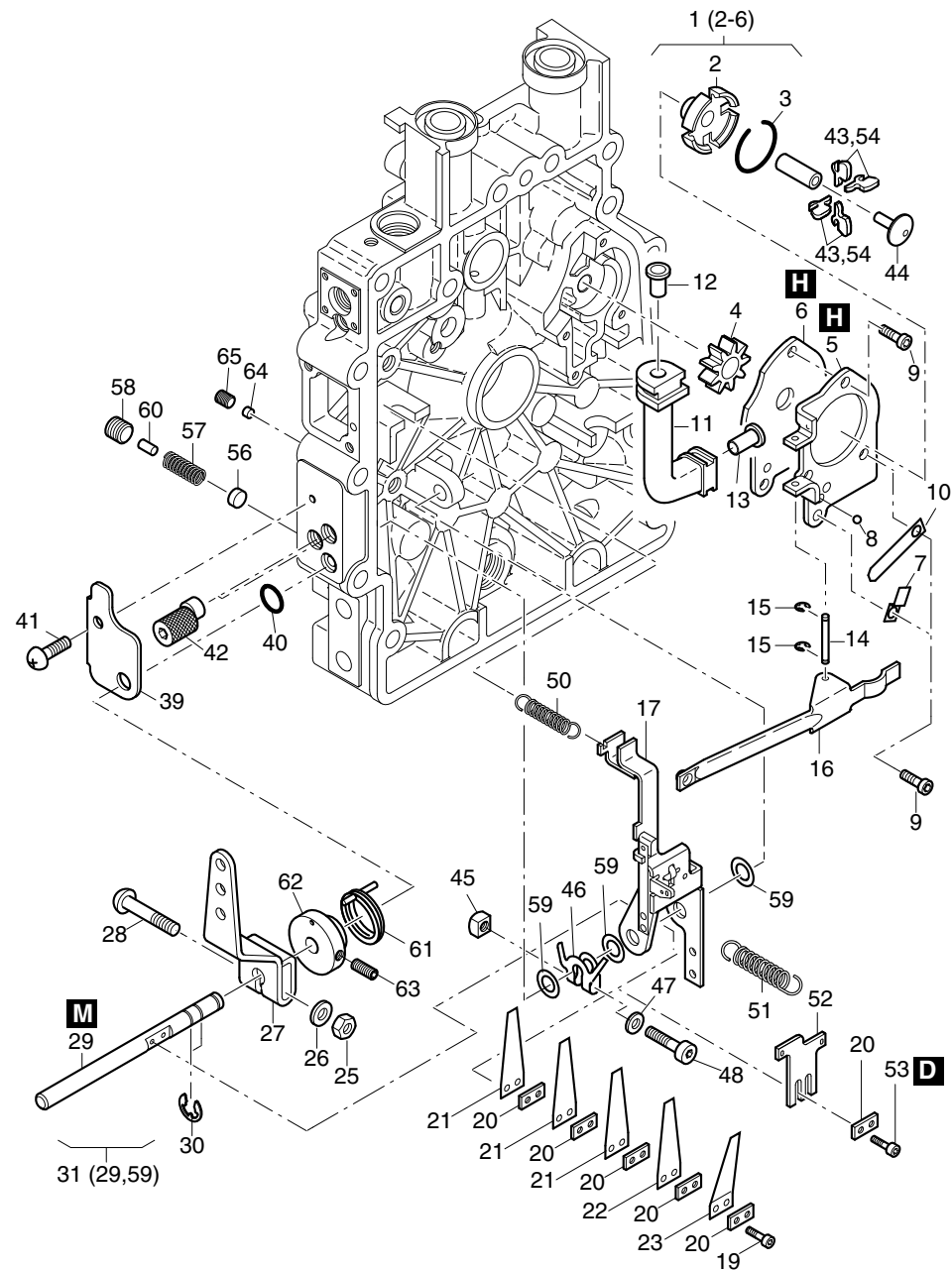


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
56	0000 051 517 00	0... 1	0... 1		
57	0000 504 887 00	0... 1	0... 1		
58	0000 504 757 00	1	1		M 10 x 10 DIN 913-A3C Tuf.
59	0000 504 224 00	3	3		8 x 14 x 1,0 DIN 988
60	0000 505 996 00	0... 1	0... 1		4 x 10 ISO 8734-A-ST
61	0000 051 791 00	0... 1	0... 1		START rechts/right
62	0000 051 790 00	0... 1	0... 1		
63	0000 504 006 00	0... 1	0... 1		M 5 x 10 A3C DIN 916-45H
64	0000 053 073 00	1	1		4,5 x 3
65	0000 505 746 00	1	1		M 6 x 10 DIN 913-45H-A3C

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

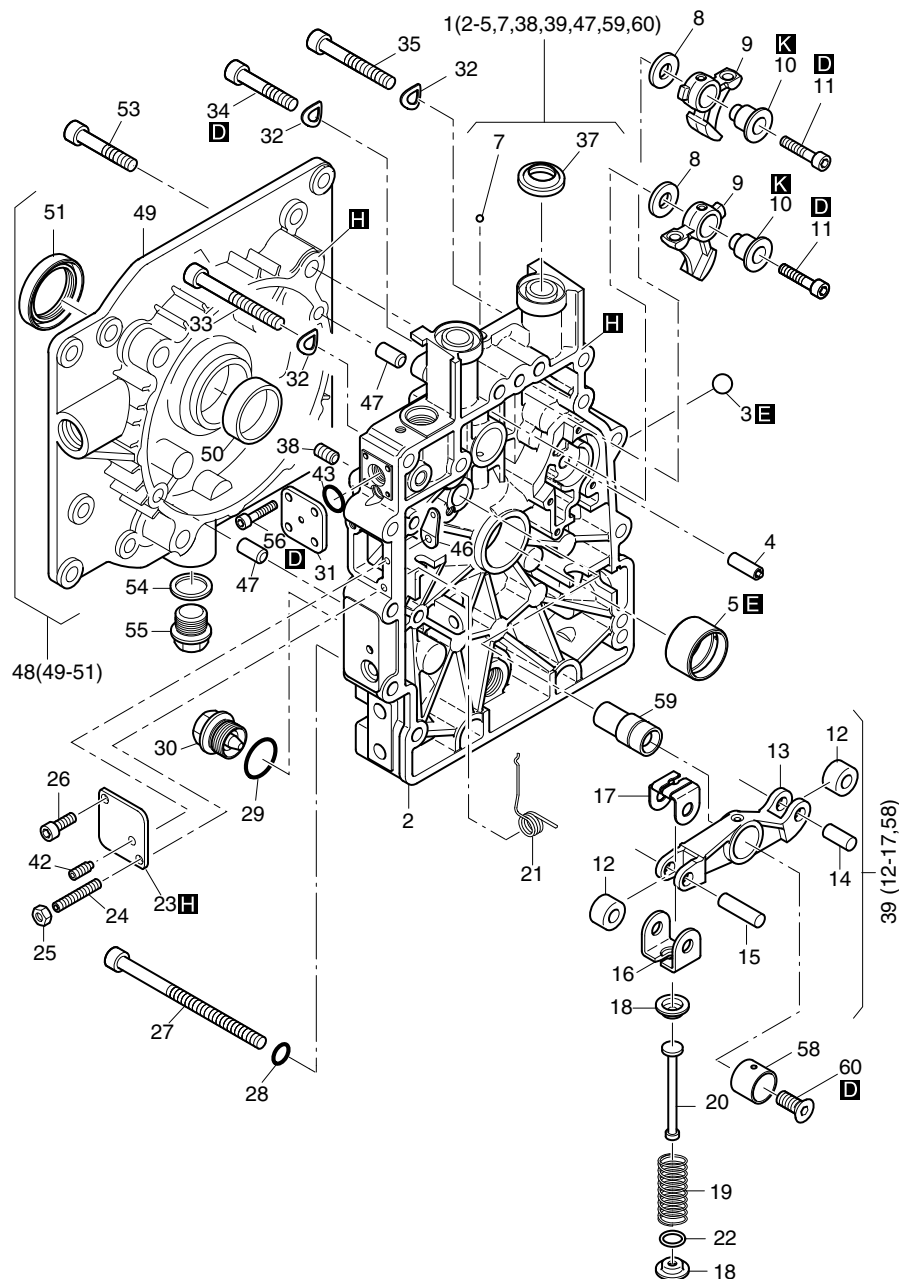


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 013 401 20	1	1		
2	-----	-	-		
3	-----	-	-		
4	0000 015 339 00	1	1		
5	0000 050 531 01	1	1		
5	0000 041 248 01	1	1		-0,5 mm
7	-----	-	-		
8	0000 037 941 00	2	2		10,1 x 22 x 3
9	0000 050 534 00	2	2		
10	0000 037 942 01	2	2		
11	0000 504 579 00	2	2		M 6 x 25 DIN 912-10.9
12	-----	-	-		
13	-----	-	-		
14	-----	-	-		
15	-----	-	-		
16	-----	-	-		
17	-----	-	-		
18	0000 040 948 02	2	2		
19	0000 040 957 00	1	1		
20	0000 040 947 00	1	1		
21	0000 050 952 10	1	1		
22	0000 041 339 00	1	1		10,7 x 16 x 0,5
23	0000 040 952 10	1	1		
24	0000 504 489 01	1	1		M 6 x 30 DIN 913 22 H A3C Tuf.
25	0000 501 444 00	1	1		M 6 DIN 934 - 8 A3C
26	0000 503 842 00	1	1		M 6x12 DIN 912-8.8 A3C Tuf.
27	0000 504 261 00	2	-		M 8 x120 DIN 912-8.8A3C
27	0000 504 630 00	-	2		M 8 x130 DIN 912-8.8A3C
28	0000 501 629 00	2	2		D2 A 8 x 14 DIN 7603 - Cu
29	0000 504 698 00	1	1		W4, D1 A 22 x 27 DIN 7603 - Vf
30	0000 503 731 00	1	1		W1 AM22x1,5DIN7604A3C MAGN.
31	0000 013 517 00	1	1		
32	0000 500 951 00	13	13		A 8 DIN 137 A3C
33	0000 502 488 00	1	1		M 8 x 60 DIN 912-8.8A3C
34	0000 504 534 01	2	2		M 8 x 45C3A DIN 912-8.8
35	0000 503 929 00	10	10		M 8 x 50 DIN 912-8.8A3C
37	0000 041 065 01	2	2		d2
38	0000 505 306 00	5	5		M 8 x 10 DIN 913 - 45H-A3C-KL
39	0000 013 196 20	1	1		
42	0000 502 749 01	1	1		M 4 x 20 DIN 915TUF360G
43	0000 503 290 00	1	1		D1 9,5 x 2,5
46	0000 051 271 00	1	1		
47	0000 502 491 02	2	2		8 M 6 x 20 2-Fasen
48	0000 016 267 01	1	1		
49	-----	-	-		

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

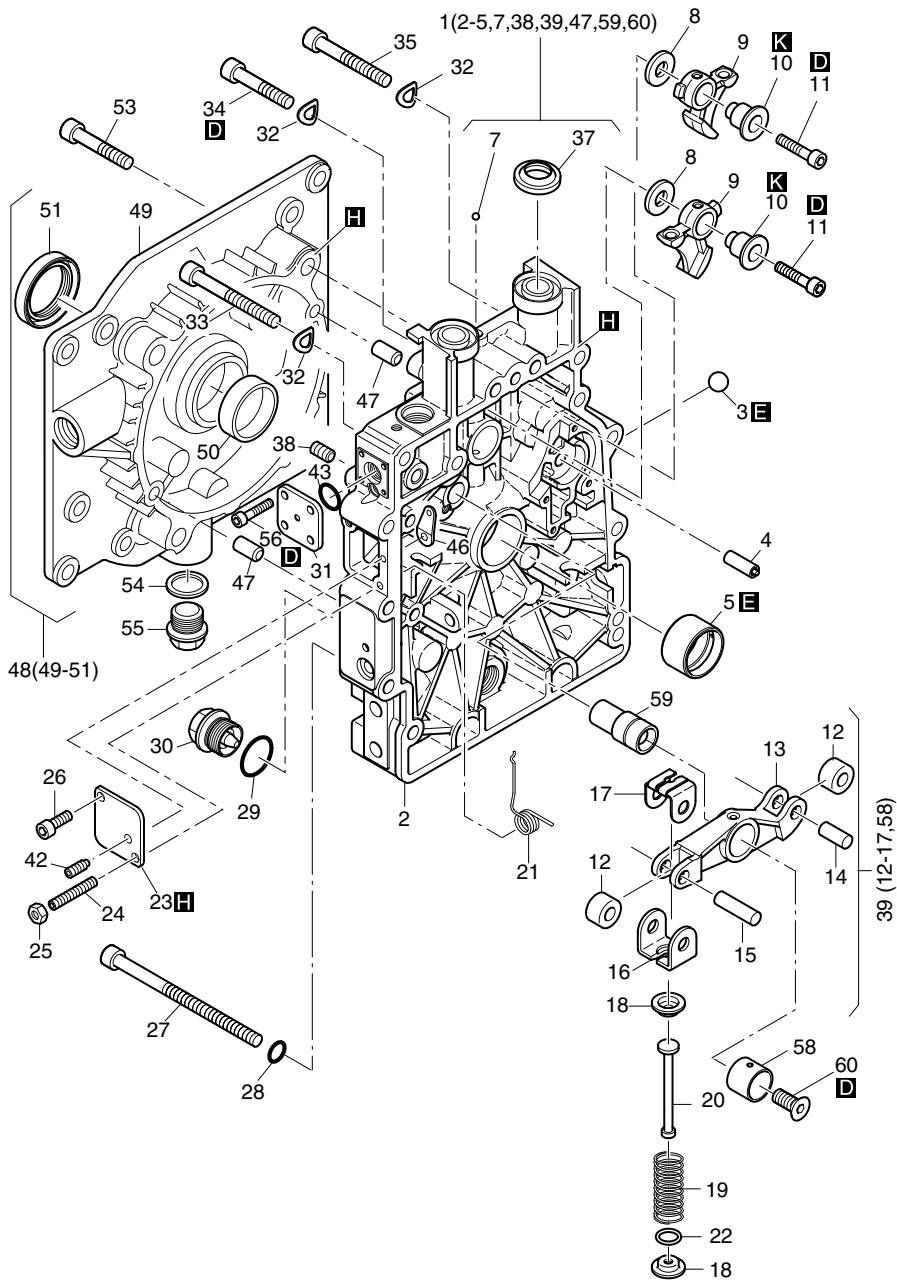


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
50	0000 501 934 00	1	1		
51	0000 400 337 01	1	1		
53	0000 504 755 00	4	4		D1 30 x 47 x 7 M 10 x 45 DIN 6912 - 8.8 A3C
54	0000 500 014 00	2	2		D2, W4 A 18 x 22 DIN 7603 - Cu
55	0000 500 442 00	2	2		W1 M 18 x 1,5 DIN 910
56	0000 503 971 00	4	4		M 4 x 10A3C DIN 912-8.8TUF
58	-----	-	-		
59	0000 040 968 30	1	1		
60	0000 504 450 00	1	1		M 6 x 35 DIN 7991 - 8.8 A3C

M13, M17

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

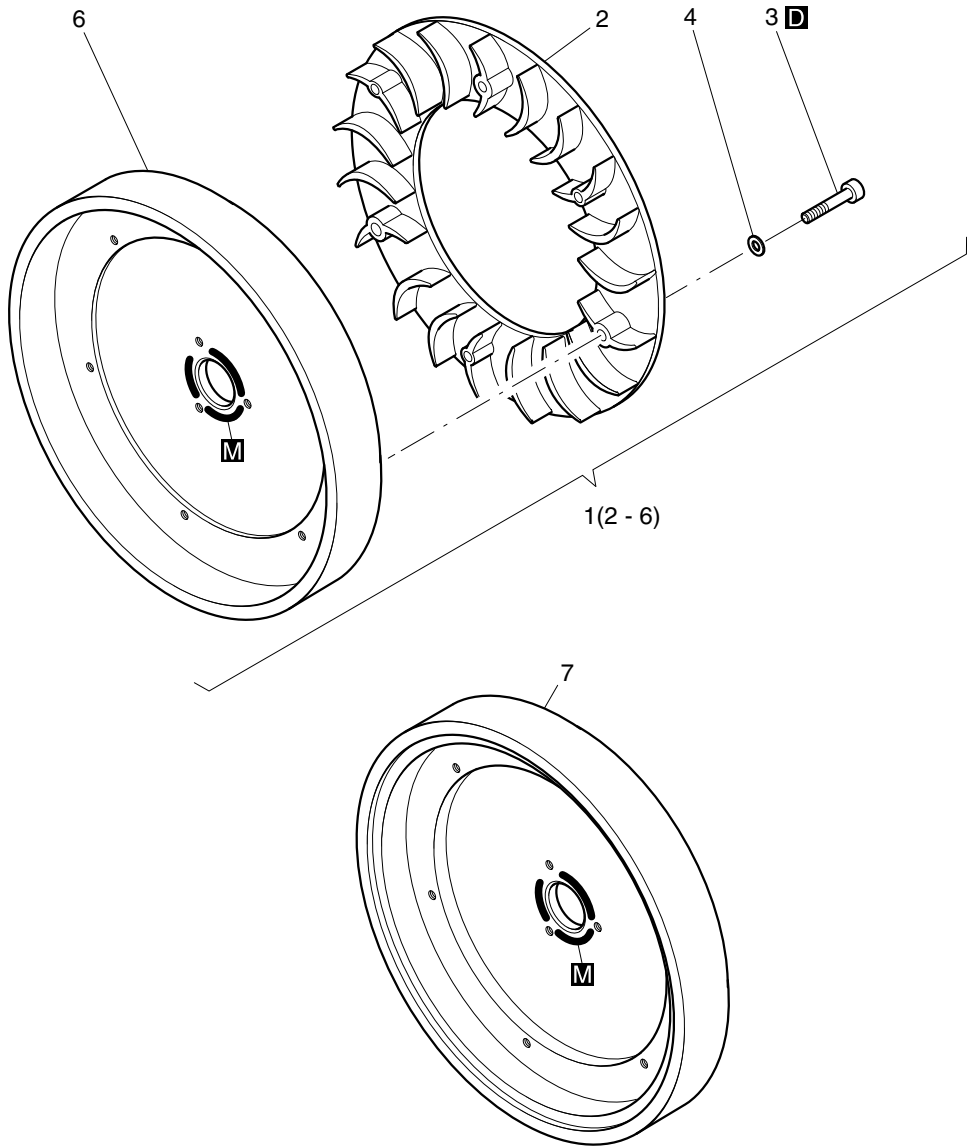


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 015 797 10	1	-		
2	0000 041 937 00	1	-		
2	0000 041 936 00	-	1		
3	0000 503 273 00	6	6		M 4 x 20 DIN 912-8.8 A3C
4	0000 500 034 00	6	6		A 4 DIN 137 - ST
6	0000 050 522 20	1	-		
6	0000 041 103 02	-	0... 1		leicht, light, léger
7	0000 013 977 00	-	0... 1		schwer, heavy, lourde

Injection equipment - 1B20V
Einspritzausrüstung - 1B20V
Equipment d'injection - 1B20V
Equipo de inyección - 1B20V
Equipaggiamento di iniezione - 1B20V

33

M14a

Injection equipment - 1B20V
Einspritzausrstung - 1B20V
Equipment d'injection - 1B20V
Equipo de inyeccin - 1B20V
Equipaggiamento di iniezione - 1B20V

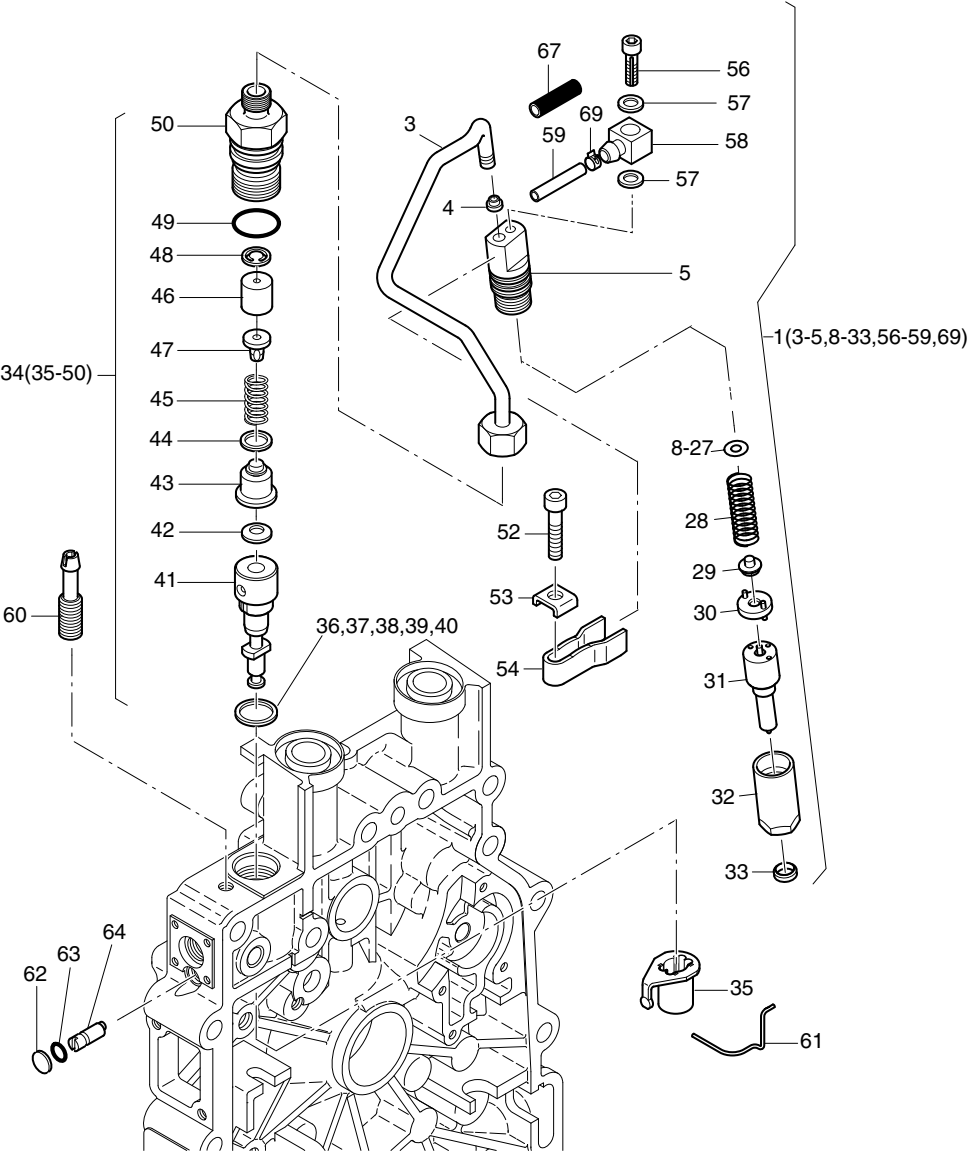


Fig.- No.	HATZ Ident-No.	Stck Qty.	W d / D	Bemerkungen Notes
1B20V				
49	0000 504 892 00	1	D1	17 x 2
50	0000 051 811 00	1		
52	0000 503 239 00	1		M 6 x 30 DIN 912-8.8A3C
53	0000 050 893 00	1		6,4
54	0000 050 567 00	1		
56	0000 052 990 01	1		M 4 x 16
57	0000 501 108 00	2		A4 x 8 DIN 7603-Cu
58	0000 051 290 00	1		
59	0000 051 334 00	1		2,5 x 295
60	0000 050 842 01	1		
61	0000 041 618 00	1		
62	0000 504 760 00	1		8 DIN 470 Al
63	0000 503 301 00	1		4 x 1,2
64	0000 040 977 10	1		
67	0000 052 522 00	1		245mm ø 7 mm
69	0000 505 779 00	1		6

M14b

Injection equipment - 1B30V
Einspritzausr stung - 1B30V
Equipment d'injection - 1B30V
Equipo de inyecci n - 1B30V
Equipaggiamento di iniezione - 1B30V

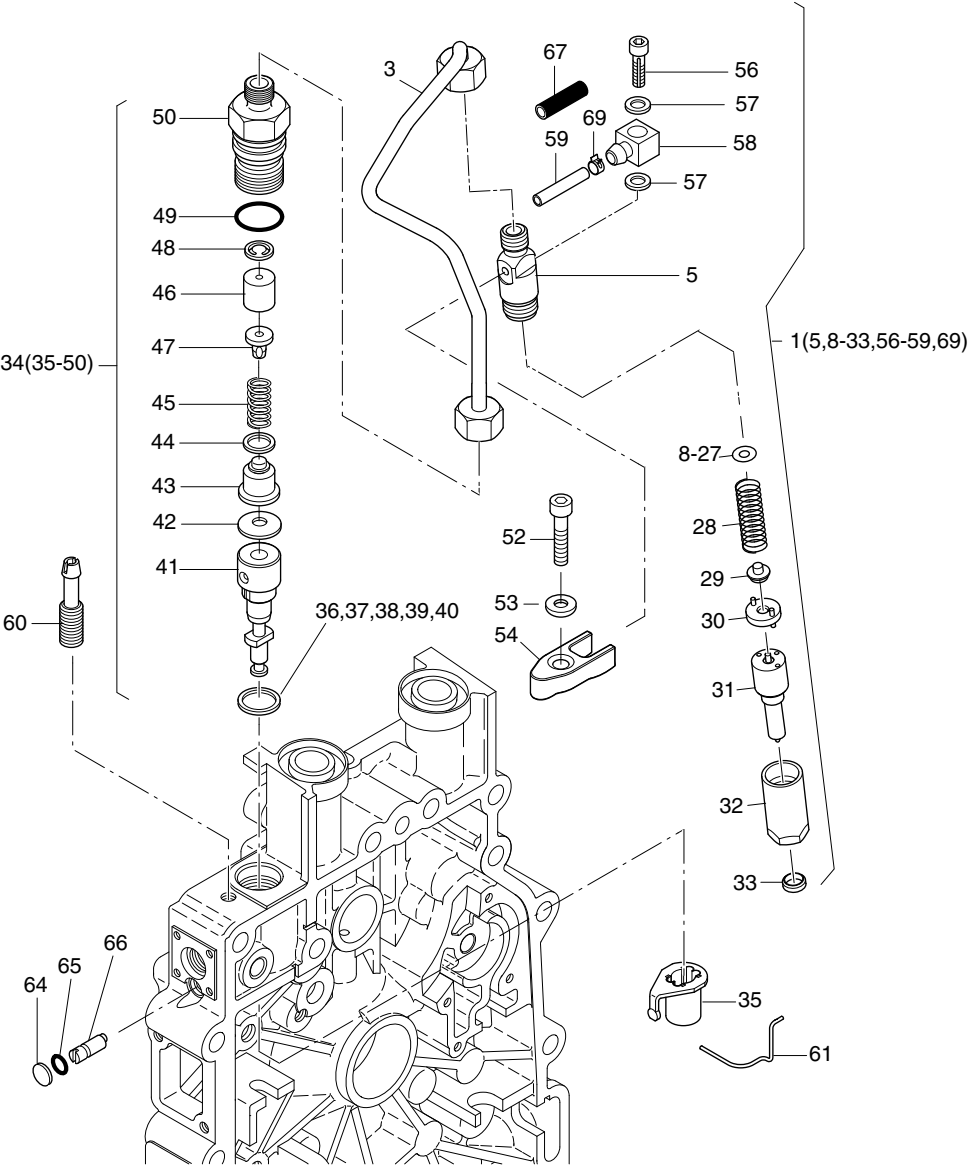


Fig.- No.	HATZ Ident-No.	St�ck Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
1	0000 018 568 10	1		
3	0000 020 244 00	1		
5	-----	-		
8	0000 504 364 00	0 ...1		1,00 mm
9	0000 504 365 00	0 ...1		1,04 mm
10	0000 504 366 00	0 ...1		1,10 mm
11	0000 504 367 00	0 ...1		1,14 mm
12	0000 504 368 00	0 ...1		1,20 mm
13	0000 504 369 00	0 ...1		1,24 mm
14	0000 504 370 00	0 ...1		1,30 mm
15	0000 504 371 00	0 ...1		1,34 mm
16	0000 504 372 00	0 ...1		1,40 mm
17	0000 504 373 00	0 ...1		1,44 mm
18	0000 504 374 00	0 ...1		1,50 mm
19	0000 504 375 00	0 ...1		1,54 mm
20	0000 504 376 00	0 ...1		1,60 mm
21	0000 504 377 00	0 ...1		1,64 mm
22	0000 504 378 00	0 ...1		1,70 mm
23	0000 504 379 00	0 ...1		1,74 mm
24	0000 504 380 00	0 ...1		1,80 mm
25	0000 504 381 00	0 ...1		1,84 mm
26	0000 504 382 00	0 ...1		1,90 mm
27	0000 504 383 00	0 ...1		1,94 mm
28	-----	-		
29	-----	-		
30	-----	-		
31	0000 505 667 10	1		P1
32	-----	-		
33	0000 050 705 00	1		d1
34	0000 015 829 20	1		
35	0000 013 308 01	1		
36	0000 040 963 00	0 ...1		0,2 mm
37	0000 040 964 00	0 ...1		0,3 mm
38	0000 040 965 00	0 ...1		0,4 mm
39	0000 040 966 00	0 ...1		0,5 mm
40	0000 040 967 00	0 ...1		0,6 mm
41	-----	-		
42	0000 041 652 00	1		8
43	-----	-		
44	0000 504 769 00	1		9,5 x 13 x 0,5
45	-----	-		
46	-----	-		
47	-----	-		
48	0000 051 808 00	1		
49	0000 504 892 00	1		D1 17 x 2

M14b

Injection equipment - 1B30V
Einspritzausr stung - 1B30V
Equipment d'injection - 1B30V
Equipo de inyecci n - 1B30V
Equipaggiamento di iniezione - 1B30V

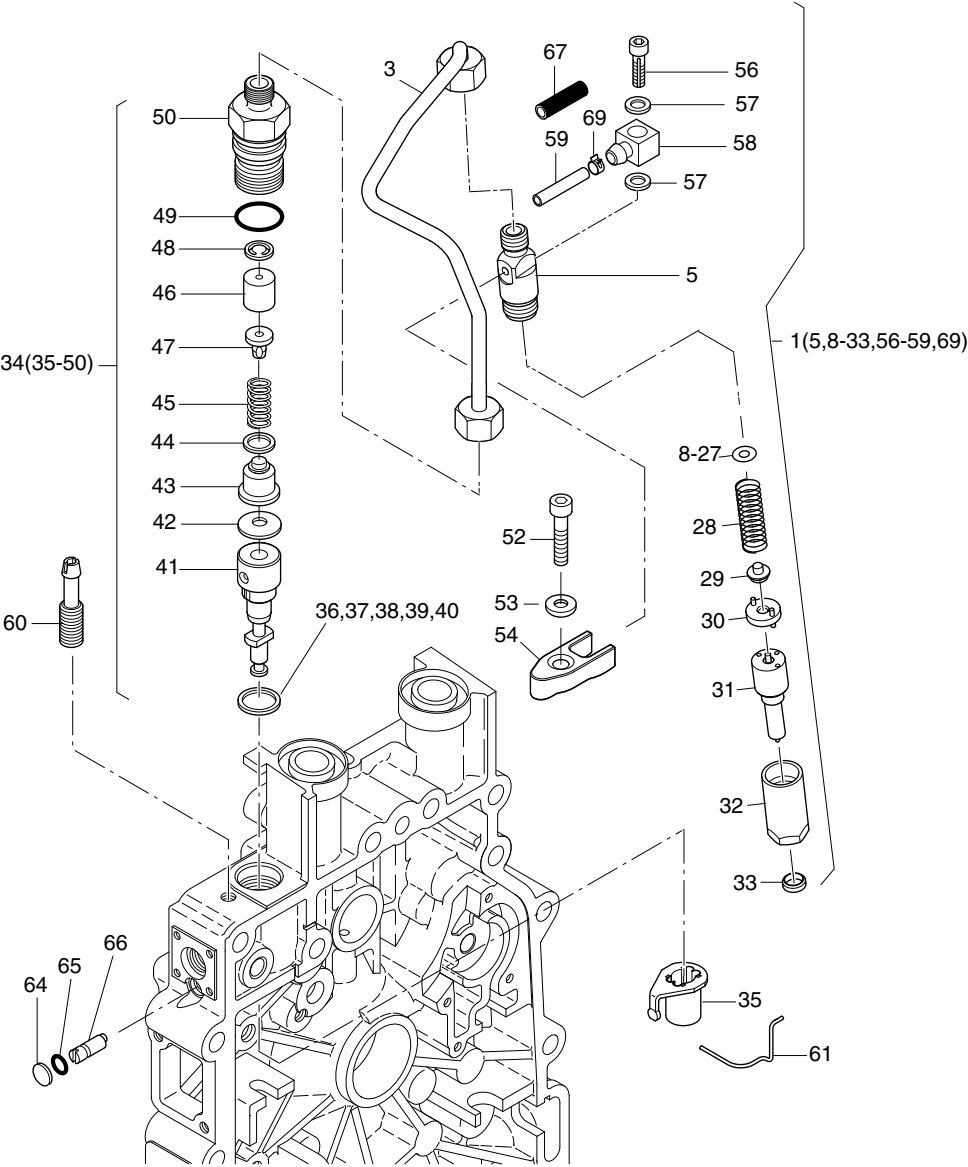


Fig.- No.	HATZ Ident-No.	St�ck Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
50	0000 051 811 00	1		
52	0000 503 239 00	1		M 6 x 30 DIN 912-8.8A3C
53	0000 505 965 00	1		6,4
54	0000 042 818 01	1		
56	0000 042 819 00	1		M 4 x 14
57	0000 501 108 00	2		A4 x 8 DIN 7603-Cu
58	0000 051 290 00	1		
59	0000 052 202 01	1		2,5 x 330
60	0000 050 842 01	1		
61	0000 041 618 00	1		
64	0000 504 760 00	1		8 DIN 470 Al
65	0000 503 301 00	1		4 x 1,2
66	0000 040 977 10	1		
67	0000 052 522 01	1		310mm � 7 mm
69	0000 505 779 00	1		6

M15

Recoil starter
Reversierstarter
Demarreur reversible
Arrancador reversible
Avviamento a strappo

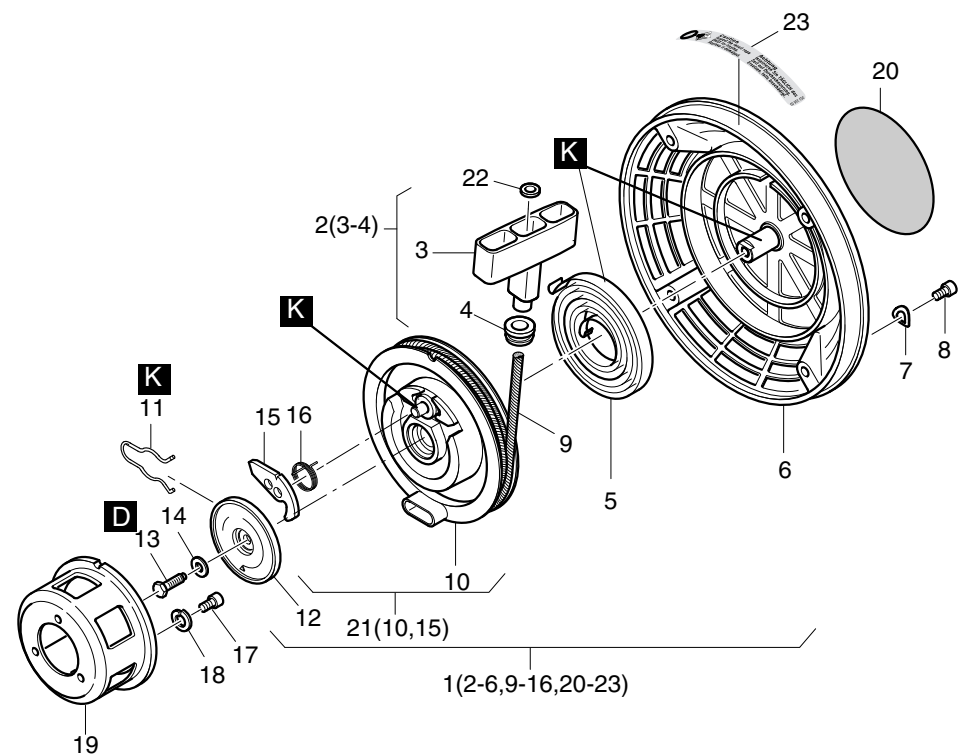


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 018 652 00	1	1		
2	0000 014 978 00	1	1		
3	-----	-	-		
4	0000 036 652 00	1	1		
5	0000 050 452 02	1	1		
6	0000 015 693 00	1	1		
7	0000 500 812 00	4	4		A 6 DIN 137 - A3C
8	0000 500 627 00	4	4		M 6 x 10 DIN 912-8.8 A3C
9	0000 019 290 00	1	1		2040 mm
10	-----	-	-		
11	0000 050 449 01	1	1		
12	0000 050 450 01	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 00	1	1		

M26a

Air ducting - 1B20V
 Luftführung - 1B20V
 Carter ventilation - 1B20V
 Conducción de aire - 1B20V
 Carter ventilatore - 1B20V

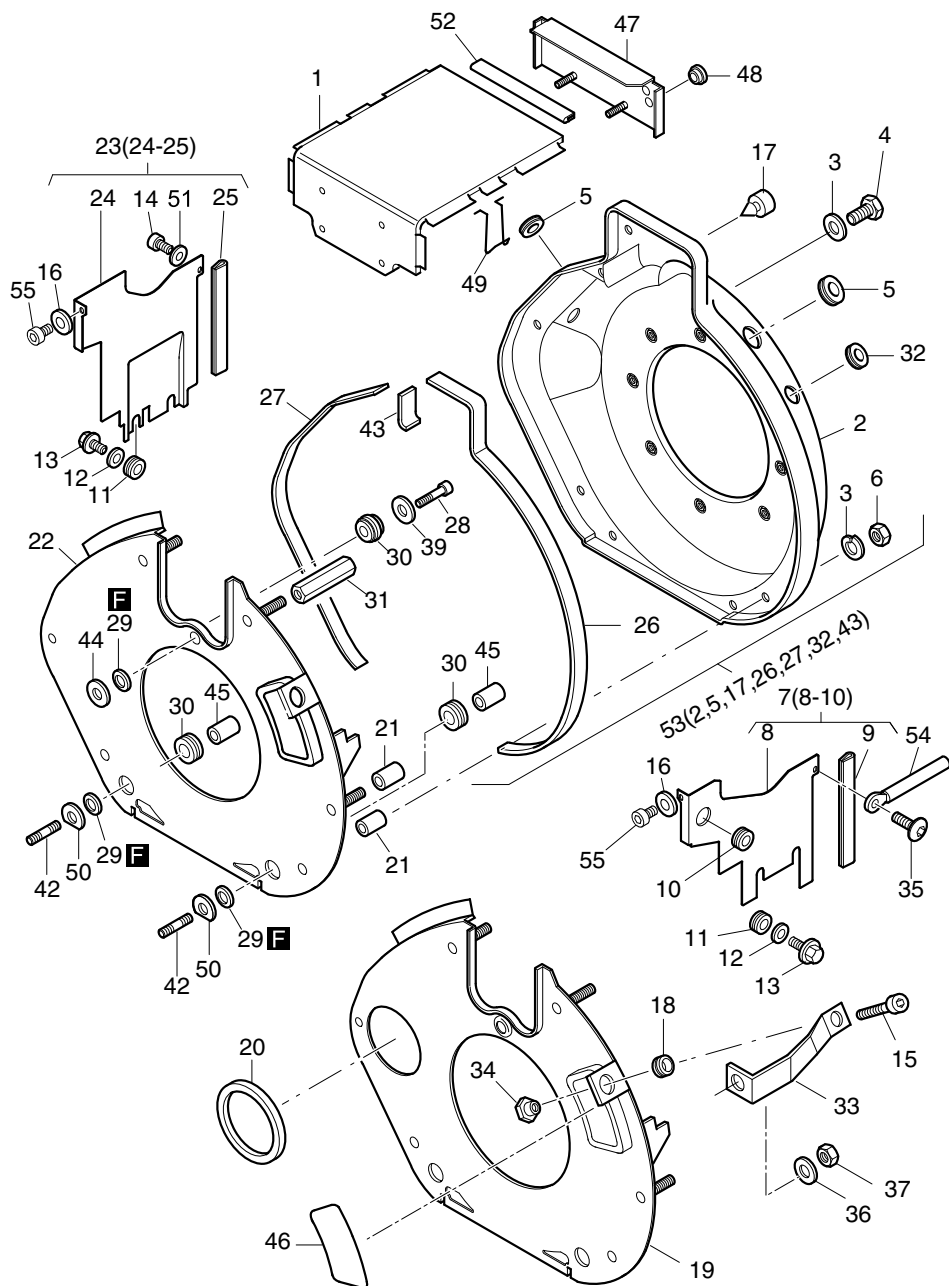


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B20V				
1	0000 015 335 04	1		
2	-----	-		
3	0000 501 709 00	7		6 DIN 128 - A3C
4	0000 501 463 00	1		M 6 x 18 DIN 933-8.8 A3C
5	0000 504 617 00	2		
6	0000 501 444 00	6		M 6 DIN 934 - 8 A3C
7	0000 013 166 00	1		
8	-----	-		
9	0000 040 976 00	1		107 mm
10	0000 503 348 00	1		
11	0000 501 638 01	4		
12	0000 504 416 00	3		4,3 DIN 9021 - A3C 140HV
13	0000 504 454 01	3		M 4 x 10 ST A3C
14	0000 505 281 00	1		M6x16DIN6912-8.8A3C KL360G
15	0000 501 707 00	1		M 6 x 16 DIN 912-8.8A3C
16	0000 501 445 00	2		6,4 DIN 125-St A3C
17	0000 503 926 10	0... 2		
18	0000 503 928 00	1		
19	0000 016 070 11	1		E-Start
20	0000 040 995 00	1		
21	0000 041 390 00	5		6,5 x 12 x 18
22	0000 016 071 11	1		
23	0000 013 165 00	1		
24	-----	-		
25	0000 040 976 00	1		107 mm
26	0000 051 893 00	1		520 mm
27	0000 053 715 00	1		440 mm
28	0000 501 708 00	1		M 6 x 25 DIN 912-8.8A3C
29	0000 035 755 00	3		
30	0000 013 783 00	3		
31	0000 041 244 00	1		57 mm
32	0000 504 533 00	1		
33	0000 015 995 00	1		
34	0000 041 232 00	1		M 6
35	0000 504 950 00	1		M 6 x 12 DIN 7380-10.9 A3C
36	0000 500 951 00	1		A 8 DIN 137 A3C
37	0000 503 447 00	1		M 8 DIN 936 - 5 A3C
39	0000 501 709 00	1		6 DIN 128 - A3C
42	0000 504 581 00	2		M 6 x 45 DIN 835 - 8.8 A3B
43	0000 050 073 00	1		48 mm
44	0000 040 420 00	1		6,5 x 22,5 x 1
45	0000 041 390 00	2		6,5 x 12 x 18
46	0000 042 151 00	0... 1		
47	0000 015 793 00	1		
48	0000 503 348 00	2		

M26a

Air ducting - 1B20V
Luftführung - 1B20V
Carter ventilation - 1B20V
Conducción de aire - 1B20V
Carter ventilatore - 1B20V

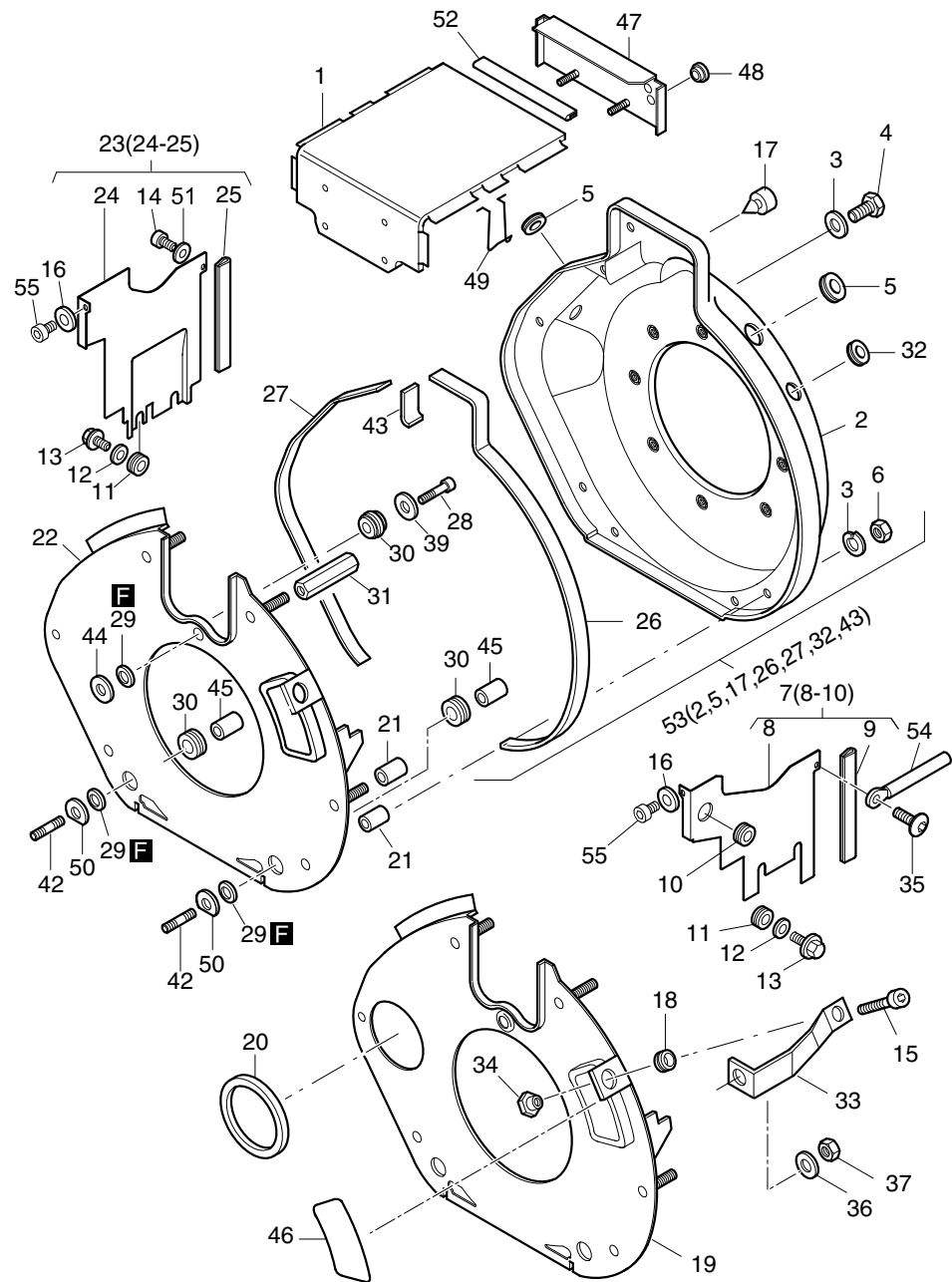


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B20V				
49	0000 051 441 00	1		
50	0000 041 453 00	2		
51	0000 040 606 00	1		6,4 x 16 x 1,5 A3C
52	0000 051 434 00	1		106mm
53	0000 018 311 00	1		
54	0000 050 012 00	1		
55	0000 504 742 00	2		M6x16 DIN912-8.8 A3C Tuf.360

Air ducting - 1B30V
 Luftführung - 1B30V
 Carter ventilation - 1B30V
 Conducción de aire - 1B30V
 Carter ventilatore - 1B30V

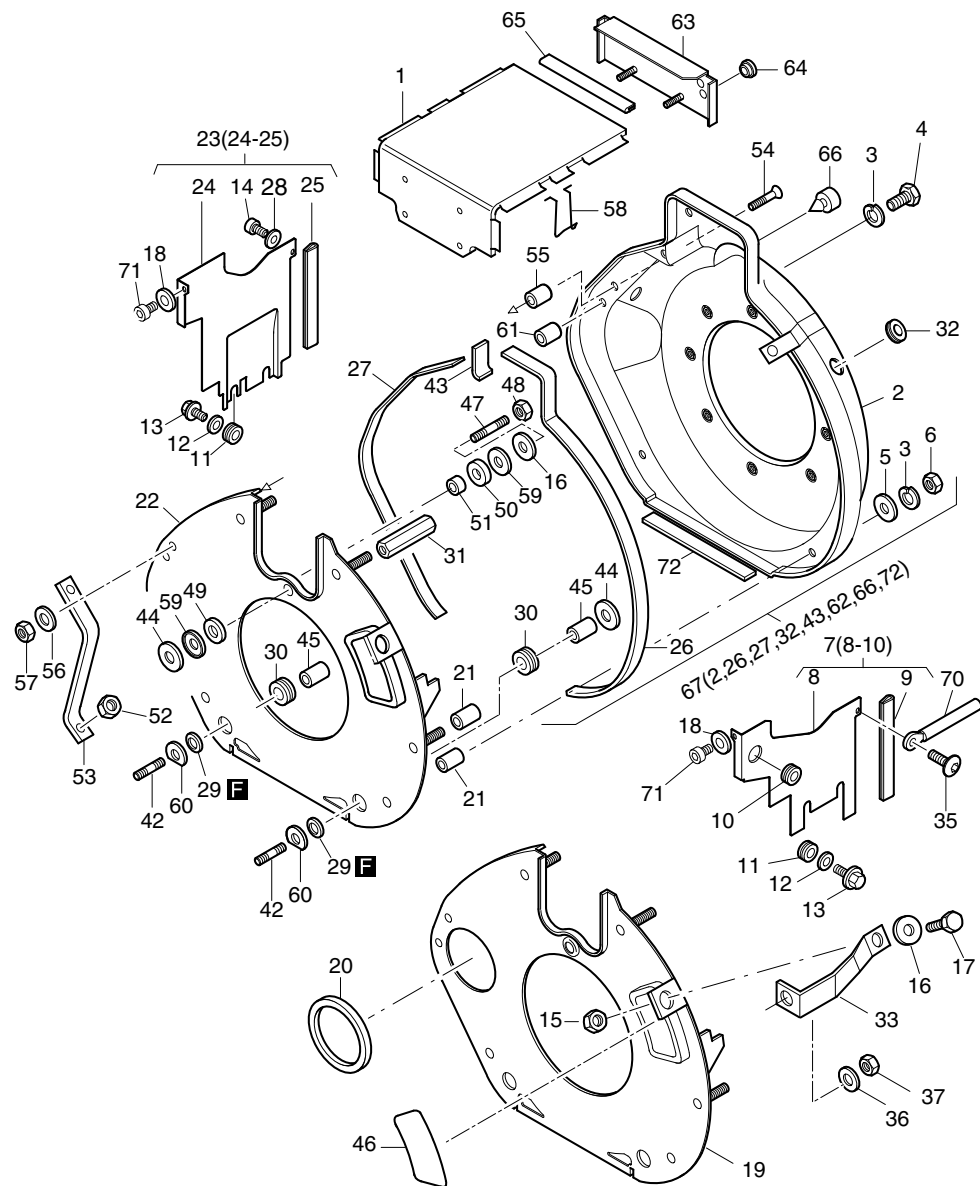


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
1	0000 015 514 01	1		
2	-----	-		
3	0000 501 709 00	7		6 DIN 128 - A3C
4	0000 501 463 00	1		M 6 x 18 DIN 933-8.8 A3C
5	0000 501 200 00	2		A 6,4 DIN 9021-St A3C
6	0000 501 444 00	6		M 6 DIN 934 - 8 A3C
7	0000 013 263 00	1		
8	-----	-		
9	0000 051 289 00	1		80 mm
10	0000 503 348 00	1		
11	0000 501 638 01	3		
12	0000 504 416 00	3		4,3 DIN 9021 - A3C 140HV
13	0000 504 454 01	3		M 4 x 10 ST A3C
14	0000 505 281 00	1		M6x16DIN6912-8.8A3C KL360G
15	0000 501 444 00	1		M 6 DIN 934 - 8 A3C
16	0000 501 143 00	2		6,4 x 17 x 3 DIN 7349 A3C
17	0000 501 771 00	1		M 6 x 16 DIN 933-8.8 A3C
18	0000 501 445 00	2		6,4 DIN 125-St A3C
19	0000 013 268 10	1		E-Start
20	0000 040 995 00	1		
21	0000 051 975 00	4		6,5 x 12 x 20
22	0000 013 267 10	1		
23	0000 013 262 00	1		
24	-----	-		
25	0000 041 115 00	1		119 mm
26	0000 041 519 00	1		510mm
27	0000 041 519 00	1		510mm
28	0000 040 606 00	1		6,4 x 16 x 1,5 A3C
29	0000 035 755 00	2		
30	0000 013 783 00	2		
31	0000 051 981 00	1		59 mm
32	0000 504 533 00	1		
33	0000 015 996 10	1		
35	0000 504 950 00	1		M 6 x 12 DIN 7380-10.9 A3C
36	0000 500 951 00	1		A 8 DIN 137 A3C
37	0000 503 447 00	1		M 8 DIN 936 - 5 A3C
42	0000 504 581 00	2		M 6 x 45 DIN 835 - 8.8 A3B
43	0000 051 982 00	1		48 mm
44	0000 040 420 00	3		6,5 x 22,5 x 1
45	0000 040 984 00	2		7 x 12 x 16,3
46	0000 042 150 00	0... 1		
47	0000 504 644 01	1		M 6 x 35 DIN 939- 8.8 A3C Tuf.
48	0000 503 283 00	1		VM 6 DIN 980-8 A3C
49	0000 051 338 00	1		16 x 25 x 4
50	0000 051 339 00	1		16 x 25 x 8

Air ducting - 1B30V
Luftführung - 1B30V
Carter ventilation - 1B30V
Conducción de aire - 1B30V
Carter ventilatore - 1B30V

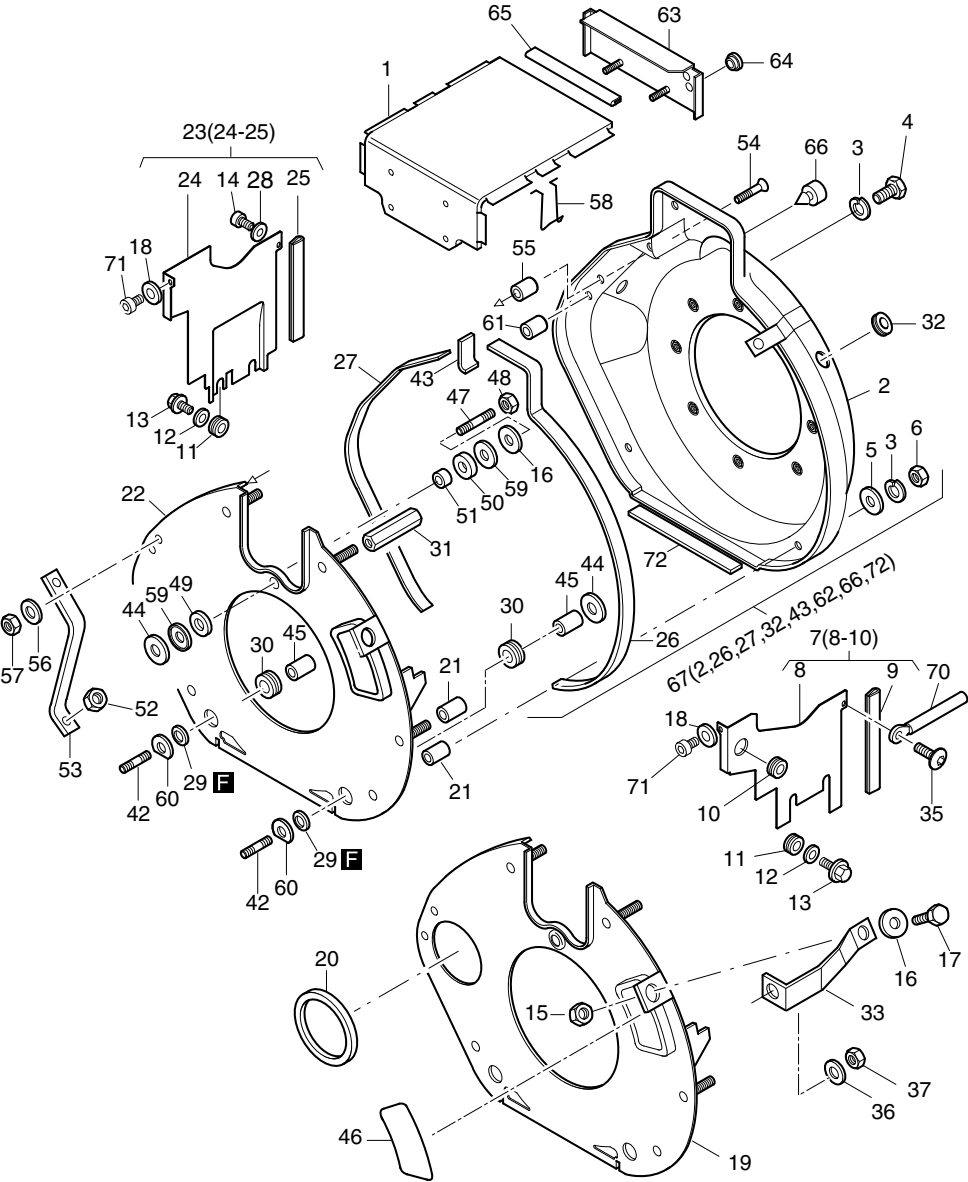


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
51	0000 051 327 00	1		6,5 x 17 x 11,5
52	0000 501 480 00	1		M 8 DIN 934-8 A3C
53	0000 051 330 01	1		
54	0000 504 450 00	1		M 6 x 35 DIN 7991 - 8.8 A3C
55	0000 051 328 10	1		7 x 12 x 18,3
56	0000 501 709 00	1		6 DIN 128 - A3C
57	0000 501 444 00	1		M 6 DIN 934 - 8 A3C
58	0000 051 458 00	1		
59	0000 050 976 00	2		8,5 - 27
60	0000 041 453 00	2		
61	0000 051 328 10	1		7 x 12 x 18,3
63	0000 016 035 00	1		
64	0000 503 348 00	2		
65	0000 052 190 00	1		118mm
66	0000 503 926 10	0... 4		
67	0000 018 314 00	1		
70	0000 050 012 00	1		
71	0000 504 742 00	2		M6x16 DIN912-8.8 A3C Tuf.360
72	0000 041 809 01	1		165mm

M31a

Crankcase breathing system - 1B20V
Kurbelgehäuseentlüftung - 1B20V
Reniflard - 1B20V
Purgador - 1B20V
Sfiato basamento - 1B20V

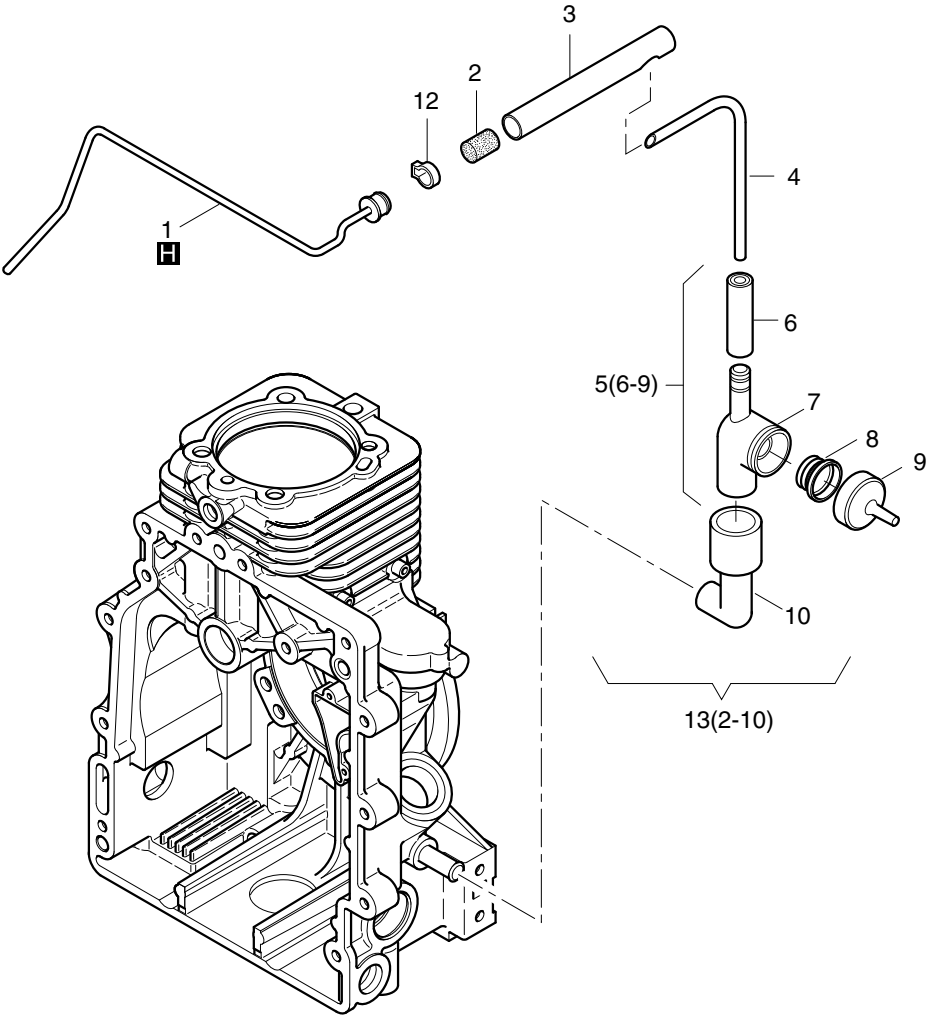


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B20V				
1	0000 013 391 00	1		
2	0000 051 029 00	1		Filter, Filtre, Filtro
3	0000 041 396 00	1		
4	0000 041 789 00	1		
5	0000 013 396 00	1		
6	0000 013 390 00	1		
7	-----	-		
8	0000 035 687 01	1		
9	0000 035 686 00	1		
10	0000 041 361 00	1		
12	0000 504 568 00	1		
13	0000 013 397 00	1		

M31b

Crankcase breathing system - 1B30V
Kurbelgehäuseentlüftung - 1B30V
Reniflard - 1B30V
Purgador - 1B30V
Sfiato basamento - 1B30V

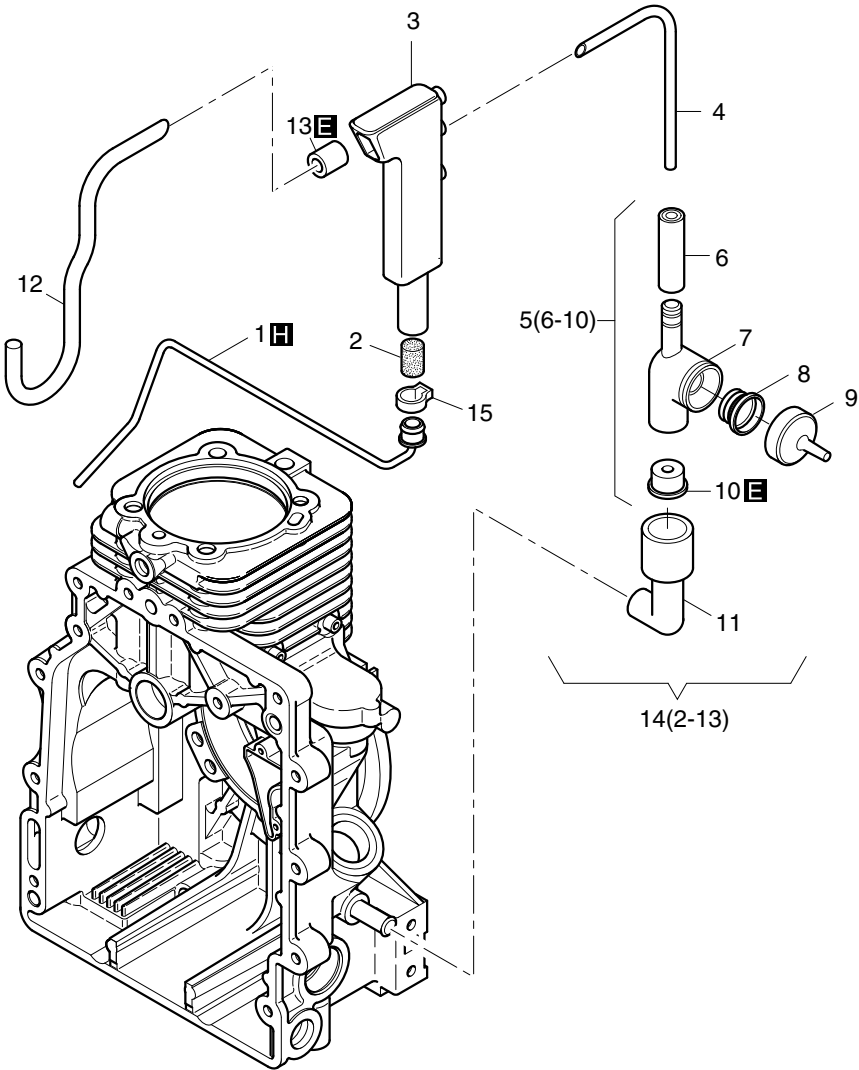


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B30V EPA IV				
1	0000 013 391 00	1		Filter, Filtre, Filtro
2	0000 051 029 00	1		
3	0000 041 708 00	1		
4	0000 041 789 00	1		
5	0000 013 541 00	1		
6	0000 013 390 00	1		
7	-----	-		
8	0000 035 687 01	1		
9	0000 035 686 00	1		
10	0000 041 788 00	1		
11	0000 041 361 00	1		
12	0000 042 610 00	1		
13	0000 042 595 00	1		
14	0000 013 540 01	1		
15	0000 504 568 00	1		

M31c

Crankcase breathing system - 1B30V
Kurbelgehäuseentlüftung - 1B30V
Reniflard - 1B30V
Purgador - 1B30V
Sfiato basamento - 1B30V

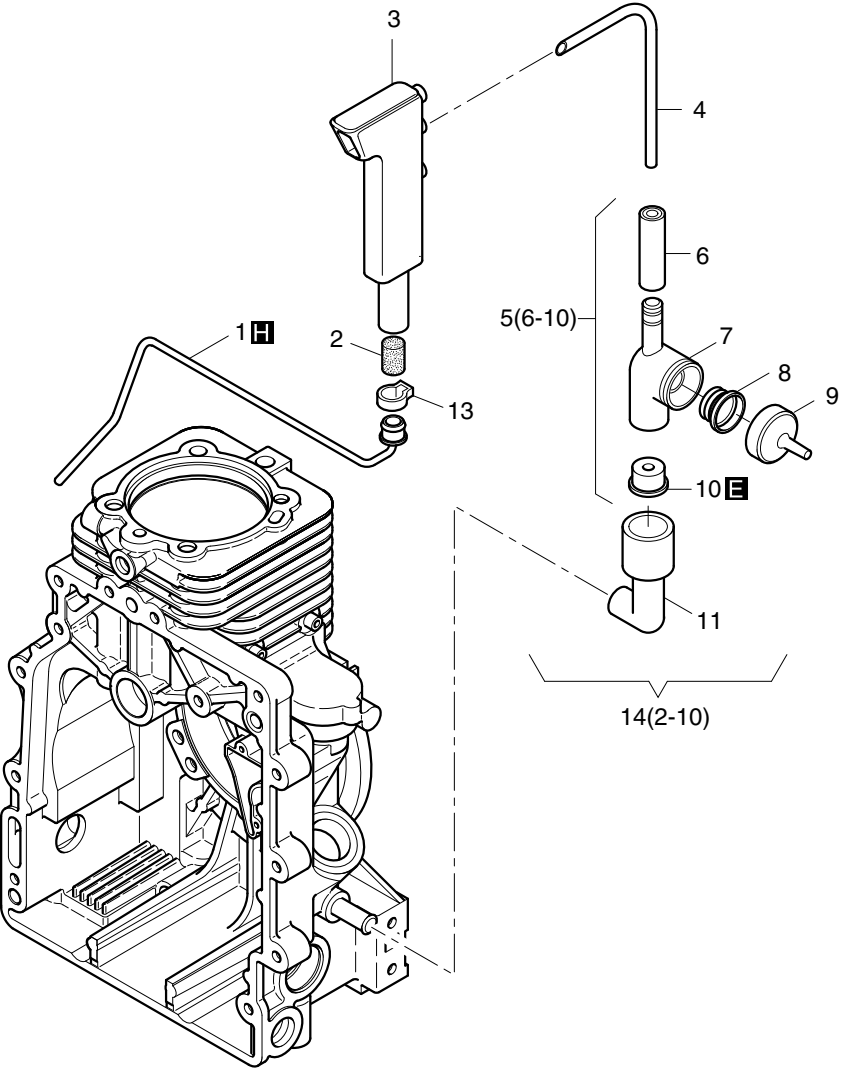


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B30V NON EPA				
1	0000 013 391 00	1		
2	0000 051 029 00	1		Filter, Filtre, Filtro
3	0000 041 708 00	1		
4	0000 041 789 00	1		
5	0000 013 541 00	1		
6	0000 013 390 00	1		
7	-----	-		
8	0000 035 687 01	1		
9	0000 035 686 00	1		
10	0000 041 788 00	1		
11	0000 041 361 00	1		
13	0000 504 568 00	1		
14	0000 019 310 00	1		

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

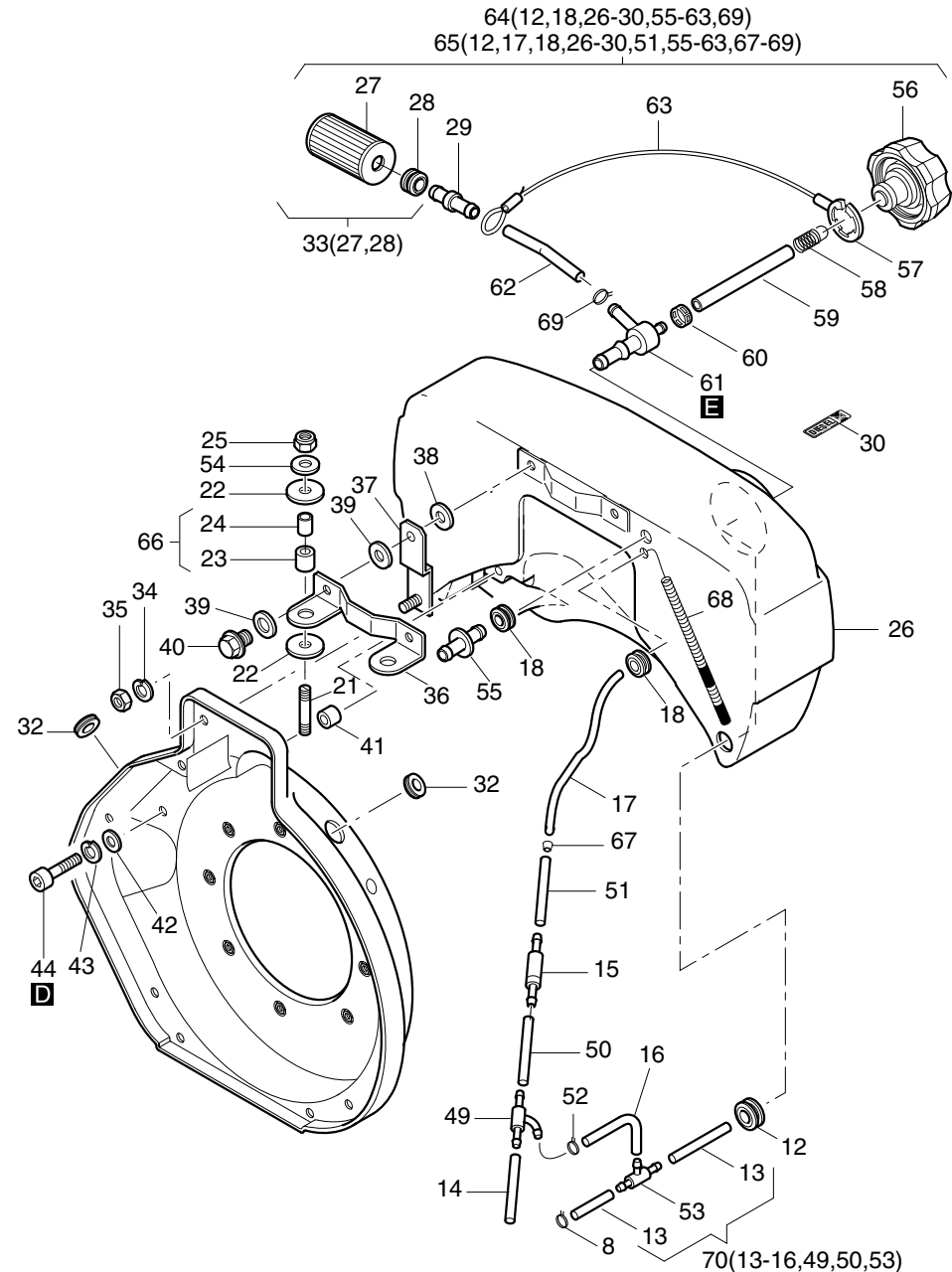


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
8	0000 504 411 00	1	1		11,8-505R
12	0000 504 408 00	1	1		
13	0000 051 231 00	2	2		7 x 70
14	0000 050 853 00	1	1		3,5 x 45
15	0000 015 346 01	1	1		
16	0000 053 277 00	1	1		5,0 x 170
17	0000 051 576 00	1	-		
17	0000 052 051 00	-	1		
18	0000 051 304 00	2	2		
21	0000 502 319 00	2	2		M 8 x 25 DIN 835-8.8 A3C
22	0000 051 098 10	4	4		8,2 x 22 x 2
23	-----	-	-		
24	0000 051 228 00	2	2		
25	0000 400 284 00	2	2		VM 8 DIN 980-8 C3A
26	-----	-	-		
27	-----	-	-		
28	0000 504 409 01	1	1		
29	0000 050 844 01	1	1		
30	0000 052 356 02	1	1		"DIESEL"
32	0000 051 077 00	2	-		
32	0000 504 533 00	-	1		
33	0000 016 352 00	1	1		W2
34	0000 501 709 00	2	2		6 DIN 128 - A3C
35	0000 501 444 00	2	2		M 6 DIN 934 - 8 A3C
36	0000 051 085 11	1	-		
36	0000 051 223 00	-	1		
37	0000 013 313 00	2	2		
38	0000 501 200 00	2	2		A 6,4 DIN 9021-St A3C
39	0000 051 100 10	4	4		7,1 x 17,9 x 2
40	0000 015 570 00	2	-		M 6 x 18
40	0000 016 771 00	-	2		M 6 x 20
41	0000 041 188 00	2	4		6,5 x 13 x 4,8
42	0000 501 445 00	2	4		6,4 DIN 125-St A3C
43	0000 501 709 00	2	4		6 DIN 128 - A3C
44	0000 501 707 00	2	4		M 6 x 16 DIN 912-8.8A3C
49	0000 051 227 01	1	1		
50	0000 051 232 00	1	1		3,5 x 40
51	0000 053 291 00	1	-		5,0 x 75
51	0000 040 604 10	-	1		5 x 100
52	0000 503 998 01	1	1		11,3
53	0000 504 596 00	1	1		
54	0000 501 481 00	2	2		8,4 DIN 125-St A3C
55	0000 051 296 10	1	1		
56	0000 016 203 03	1	1		
57	0000 504 800 00	1	1		20 x 1 DIN 984



7 x 280 mm
~440mm
3l
5l

Air filter
Luftfilter
Filtre à air
Filtro de aire
Filtro aria

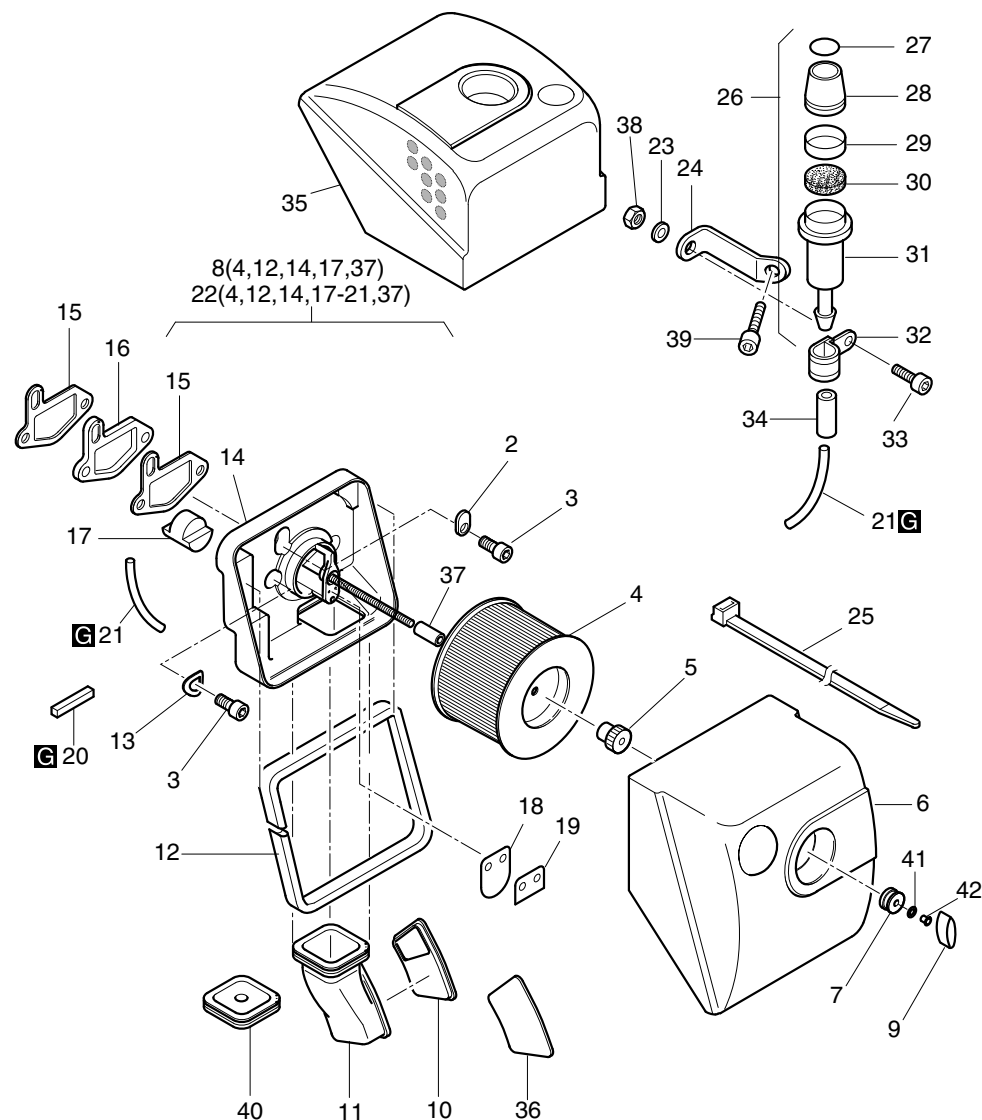


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
2	0000 050 564 00	1	1		
3	0000 501 715 00	3	3		M 8 x 25 DIN 912-8.8A3C
4	0000 504 260 00	1	1		W2
5	0000 504 543 00	1	1		
6	0000 016 991 01	1	-		
6	0000 016 993 01	-	1		
7	0000 504 358 00	1	1		
8	0000 016 079 01	1	-		
8	0000 016 079 10	-	1		
9	0000 504 522 00	1	1		M 6
10	0000 041 042 00	0... 1	-		
10	0000 041 166 00	-	0... 1		
11	0000 041 030 00	0... 1	-		
11	0000 041 165 01	-	0... 1		
12	0000 052 161 00	1	1		545 mm
13	0000 500 951 00	2	2		A 8 DIN 137 A3C
14	-----	-	-		
15	0000 050 563 00	2	2		d2
16	0000 016 003 00	1	1		
17	0000 050 981 00	1	1		
18	0000 051 471 00	1	-		(schwarz, black, noir)
19	0000 051 472 00	1	-		(rot, red, rouge)
20	0000 051 750 00	1	-		14 x 9 x 30
21	0000 050 446 10	1	-		2 x 4 x 135
22	0000 016 302 01	1	-		f. Pos 26
22	0000 016 302 10	-	1		f. Pos 26
23	0000 501 709 00	1	-		6 DIN 128 - A3C
24	0000 051 646 00	1	-		
25	0000 503 584 00	1	-		4,8 x 200 mm Black
26	0000 014 998 01	1	-		(Pos 27-31)
27	0000 050 445 01	1	-		
28	0000 050 436 01	1	-		
29	0000 050 456 00	1	-		(grün, green, vert, verde)
30	0000 051 372 00	1	-		Filter, Filtre, Filtro ø 20 mm
31	0000 050 437 00	1	-		
32	0000 501 735 00	1	-		10 / 15
33	0000 501 707 00	1	-		M 6 x 16 DIN 912-8.8A3C
34	0000 039 177 00	1	-		3,5 x 140
35	0000 016 992 01	1	-		
35	0000 016 994 01	-	1		
36	0000 042 151 00	0... 1	-		
36	0000 042 150 00	-	0... 1		
37	0000 051 662 00	1	1		32 mm
38	0000 501 444 00	1	-		M 6 DIN 934 - 8 A3C
39	0000 501 706 00	1	-		M 6 x 20 DIN 912-8.8A3C
40	0000 050 565 00	0... 1	0... 1		
41	0000 505 915 00	1	1		9 x 15 x 1,0 DIN 988
42	0000 505 916 00	1	1		8 x 0,5 x 12 DIN 7340

Exhaust silencer - 1B20V
 Abgasdämpfer - 1B20V
 Silencieux - 1B20V
 Silenciador - 1B20V
 Marmitta - 1B20V

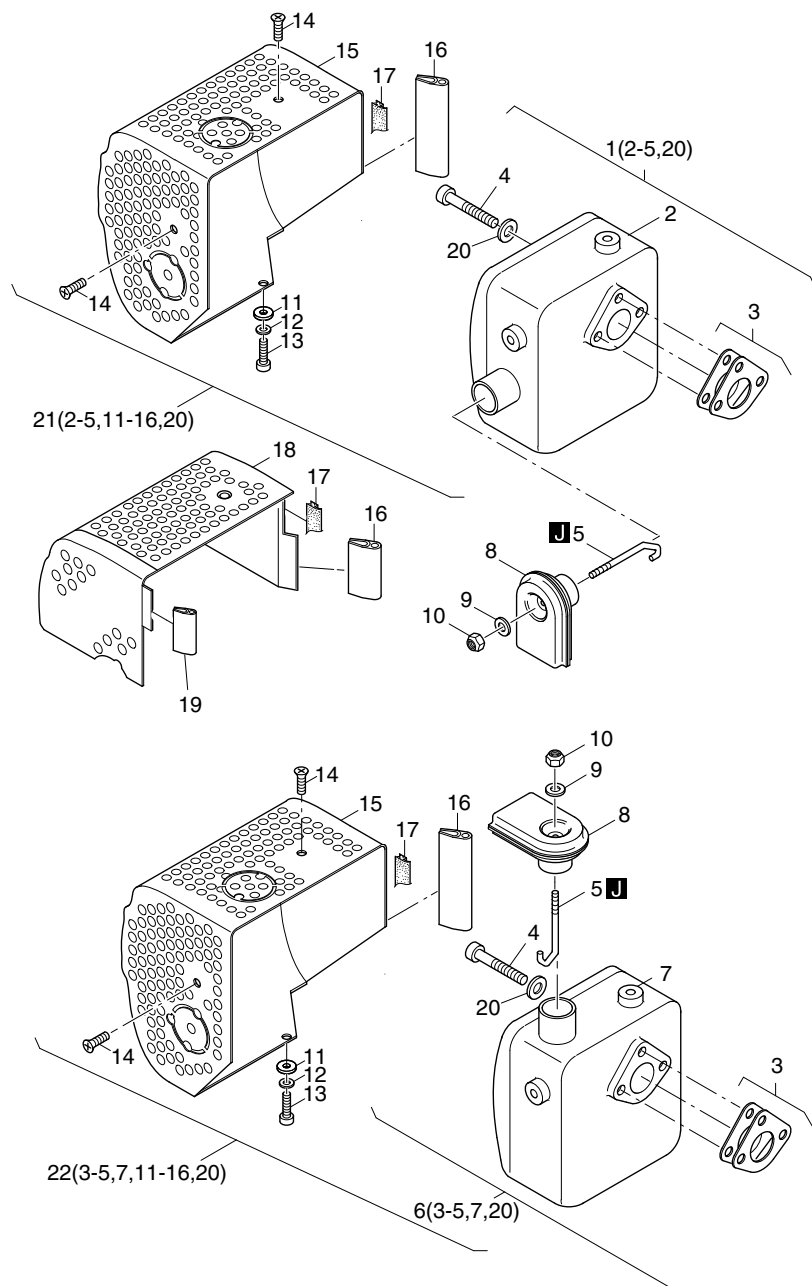


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
1B20V				
1	0000 019 538 00	1		
2	-----	-		
3	0000 017 325 01	1	d1	
4	0000 504 039 00	3		M 8 x 25 DIN 912-8.8C4P
5	0000 051 779 00	1		M 6
6	0000 019 539 00	1		
7	-----	-		
8	0000 015 313 14	1		Standard / standard
8	0000 015 761 12	1		ohne Einsatz / without insert
9	0000 501 445 00	1		6,4 DIN 125-St A3C
10	0000 400 283 00	1		VM 6 DIN 980 C3P
11	0000 501 143 00	1		6,4 x 17 x 3 DIN 7349 A3C
12	0000 501 709 00	1		6 DIN 128 - A3C
13	0000 501 771 00	1		M 6 x 16 DIN 933-8.8 A3C
14	0000 504 225 01	2		M 6 x 12 DIN 7991 - 8.8 A3C
15	0000 018 702 03	1		
16	0000 051 003 00	1		65 mm
17	0000 051 350 00	1		33 mm
18	0000 015 906 01	1		STAMPFER - RAMMER
19	0000 041 234 00	1		38 mm
20	0000 502 085 00	3		8 DIN 128 A3C
21	0000 019 645 00	1		
22	0000 019 646 00	1		

Exhaust silencer - 1B30V
Abgasdämpfer - 1B30V
Silencieux - 1B30V
Silenciador - 1B30V
Marmitta - 1B30V

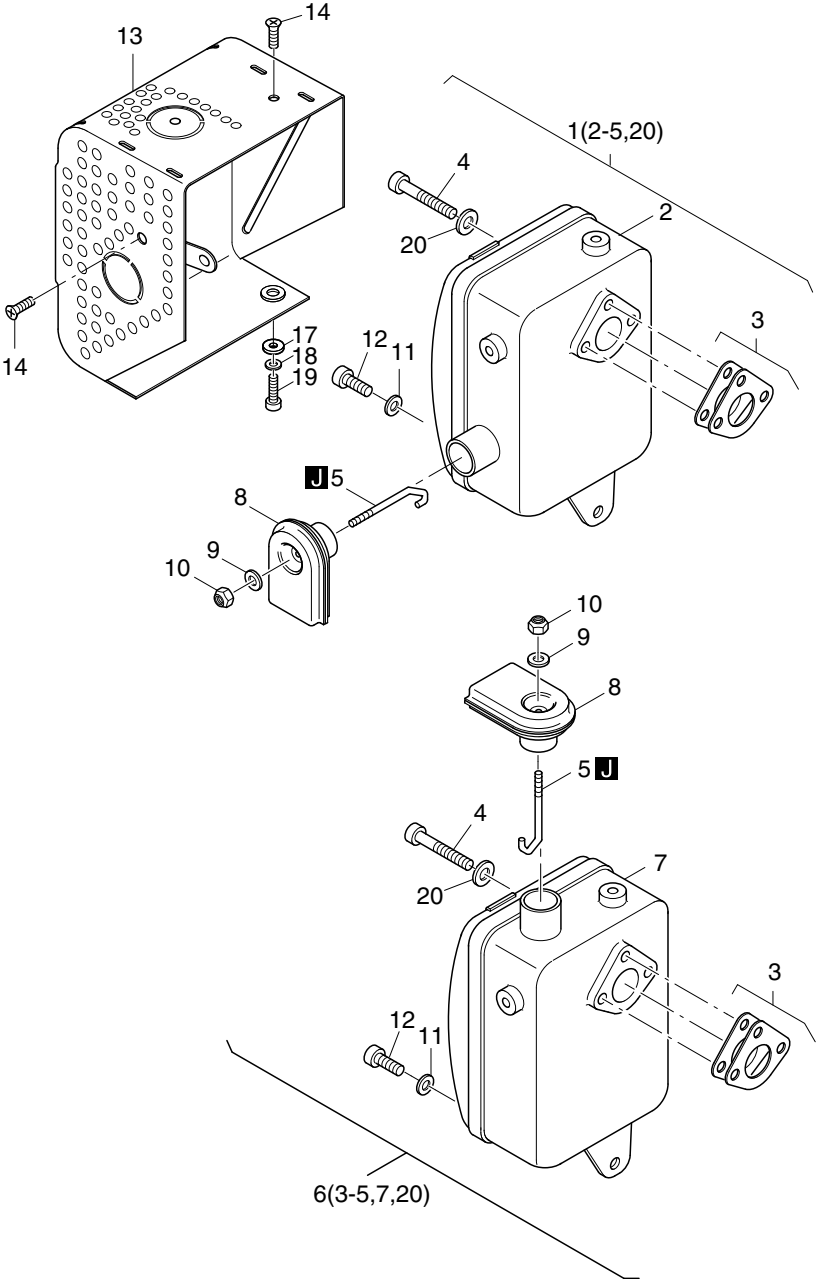


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
		1B30V EPA IV		
1	0000 016 858 10	1		
2	-----	-		
3	0000 017 326 01	1	d1	
4	0000 504 039 00	3		M 8 x 25 DIN 912-8.8C4P
5	0000 051 779 00	1		M 6
6	0000 017 126 10	1		
7	-----	-		
8	0000 015 313 14	1		Standard / standard
8	0000 015 761 12	1		ohne Einsatz / without insert
9	0000 501 445 00	1		6,4 DIN 125-St A3C
10	0000 400 283 00	1		VM 6 DIN 980 C3P
11	0000 501 143 00	1		6,4 x 17 x 3 DIN 7349 A3C
12	0000 504 742 00	1		M6x16 DIN912-8.8 A3C Tuf.360
13	0000 016 457 03	1		
14	0000 504 225 01	2		M 6 x 12 DIN 7991 - 8.8 A3C
17	0000 501 143 00	1		6,4 x 17 x 3 DIN 7349 A3C
18	0000 501 709 00	1		6 DIN 128 - A3C
19	0000 501 771 00	1		M 6 x 16 DIN 933-8.8 A3C
20	0000 502 085 00	3		8 DIN 128 A3C

Z05a

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

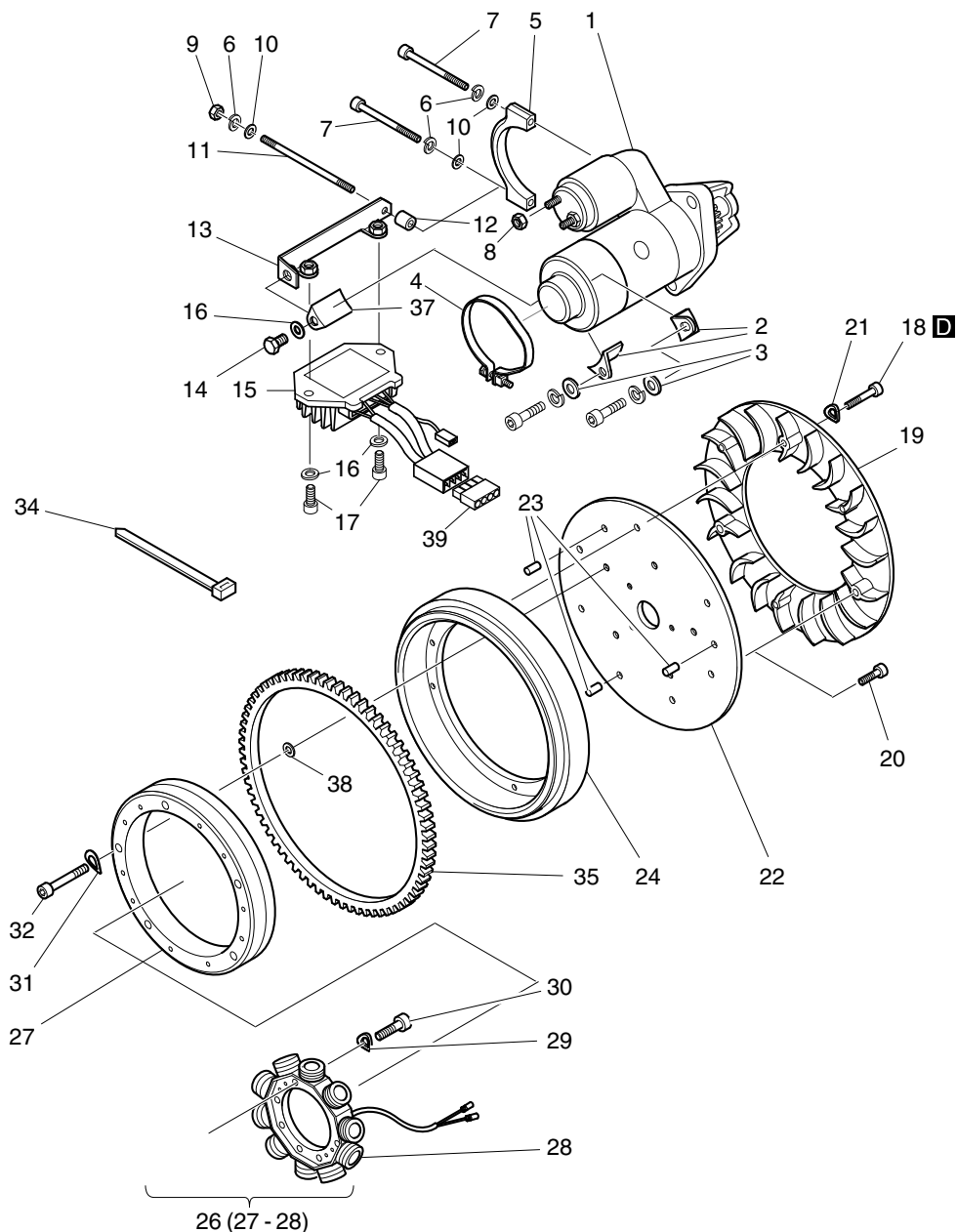


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 017 234 00	1	1		12 V - 1,0 kW
1	0000 504 833 00	1	1		24 V - 1,6 kW
2	0000 041 384 00	2	2		
3	0000 501 481 00	2	2		8,4 DIN 125-St A3C
4	0000 505 298 00	1	1		
5	0000 040 991 00	1	1		
6	0000 501 709 00	2	2		6 DIN 128 - A3C
7	0000 504 443 00	2	2		M 6 x 80 DIN 912-8.8A3C
8	0000 503 447 00	1	1		M 8 DIN 936 - 5 A3C
9	0000 501 444 00	1	1		M 6 DIN 934 - 8 A3C
10	0000 501 445 00	2	2		6,4 DIN 125-St A3C
11	0000 504 559 00	1	1		MFS 6x90 DIN 949 - 1 8.8 A3C
12	0000 036 714 00	1	1		7 x 12 x 15
13	0000 015 609 00	1	1		
14	0000 500 962 00	1	1		M 8 x 12 DIN 933 - 8.8 A3C
15	0000 019 838 00	1	1		12 V
15	0000 019 839 00	1	1		24 V
16	0000 501 481 00	3	3		8,4 DIN 125-St A3C
17	0000 501 830 00	2	2		M 8 x 35 DIN 912-8.8A3C
18	0000 503 273 00	6	6		M 4 x 20 DIN 912-8.8 A3C
19	0000 041 937 00	1	-		
19	0000 041 936 00	-	1		
20	0000 504 168 00	3	3		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
21	0000 500 034 00	6	6		A 4 DIN 137 - ST
22	0000 040 987 20	1	1		
23	0000 500 352 00	3	3		6 x 12 ISO 8752-ST
24	0000 040 982 30	1	-		
24	0000 041 101 20	-	1		
26	0000 019 259 00	1	1		12 V
26	0000 019 260 00	1	1		24 V / 12V o. BATT.
27	-----	-	-		
28	-----	-	-		
29	0000 500 819 00	4	4		A 5 DIN 137 A3C
30	0000 505 470 00	4	4		M 5 x 25 DIN 912 - 8.8 A3C Tuf.
31	0000 500 812 00	5	5		A 6 DIN 137 - A3C
32	0000 504 487 00	5	5		M 6 x 30 DIN 6912-8.8 A3C
34	0000 503 584 00	3	3		4,8 x 200 mm Black
35	0000 040 986 00	1	-		
35	0000 041 080 00	-	1		
37	0000 041 384 00	1	1		
38	0000 501 143 00	5	5		6,4 x 17 x 3 DIN 7349 A3C
39	0000 504 021 00	1	1		4-P.

Z05b, Z10, Z11

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

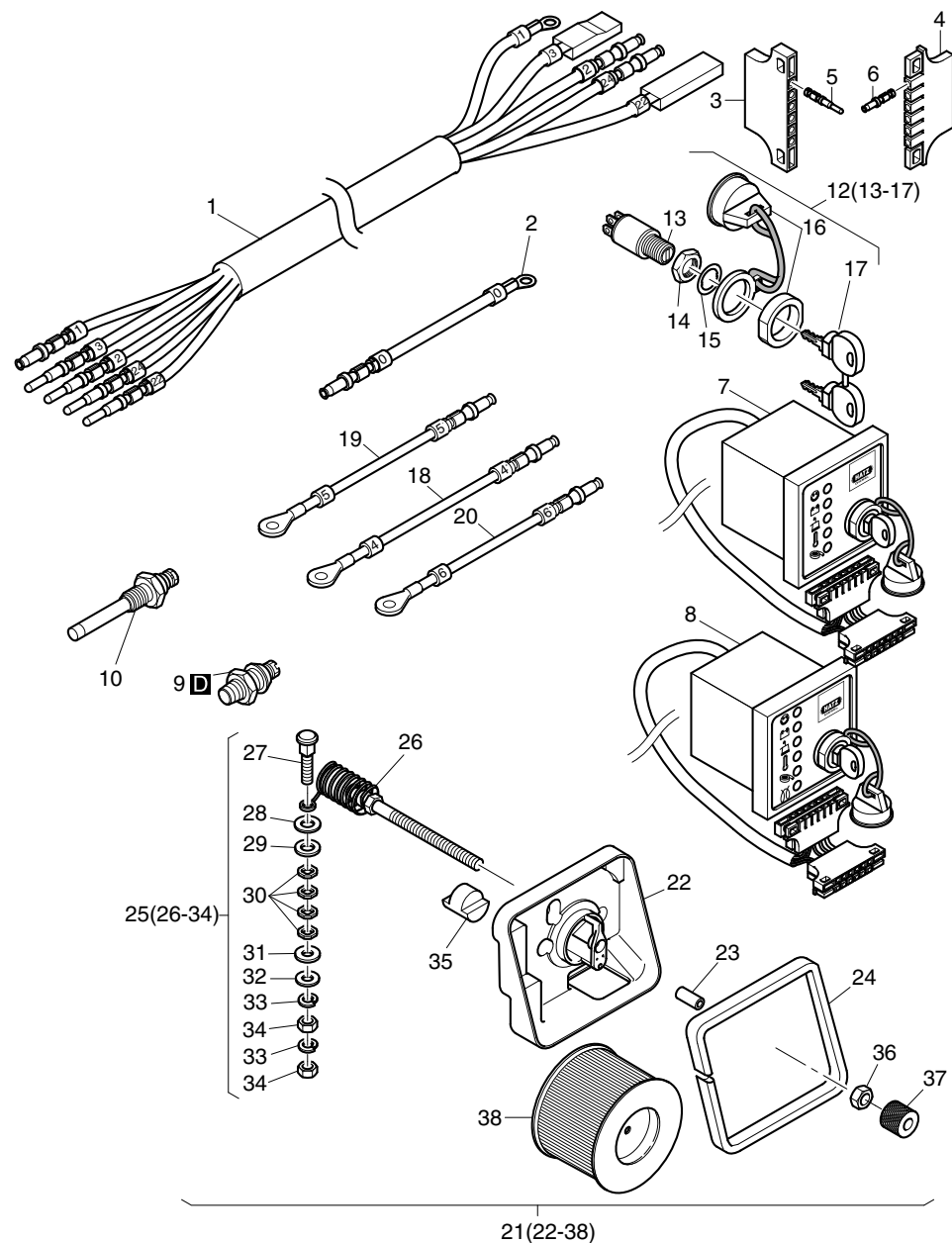


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 015 422 00	1	1		
2	0000 015 483 00	1	1		(0)
3	0000 503 736 00	1	1		
4	0000 503 737 00	1	1		
5	0000 503 741 00	5	5		0,5 - 1,0
6	0000 503 739 00	6	6		1,5 - 2,5
7	0000 015 518 03	1	1		12 V, A 1
8	0000 015 589 02	1	1		12 V / 24 V, Aut.
9	0000 400 213 01	0... 1	-		12 - 24V Oil 0,5 - 0,8 bar
9	0000 504 691 01	-	0... 1		OIL 0,3 - 0,6 bar
9	0000 506 044 00	0... 1	0... 1		OIL 1,20 - 1,80 bar (Gen)
10	0000 502 686 00	1	1		TEMP. 12-24V
12	0000 505 995 00	1	1		
13	-----	-	-		
14	-----	-	-		
15	-----	-	-		
16	0000 506 009 00	1	1		
17	0000 506 008 00	1	1		Nr. 607
18	0000 015 480 00	1	1		(4) 500 mm
19	0000 015 481 00	1	1		(5) 470 mm
20	0000 017 153 00	1	1		(6) 430 mm
21	0000 016 078 10	1	-		12V
21	0000 017 454 00	1	-		24V
21	0000 016 078 22	-	1		12V
21	0000 017 454 11	-	1		24V
22	-----	-	-		
23	0000 041 192 00	1	1		6,5 x 13 x 15
24	0000 052 161 00	1	1		545 mm
25	0000 017 550 00	1	1		12V
25	0000 017 551 00	1	1		24V
26	-----	-	-		
27	0000 050 401 00	1	1		
28	0000 501 445 00	1	1		6,4 DIN 125-St A3C
29	0000 504 128 01	1	1		6,5
30	0000 504 126 00	4	4		
31	0000 504 127 00	1	1		
32	0000 502 163 00	1	1		5,3 DIN 125-St A3C
33	0000 500 026 00	2	2		5 DIN 128 - A3C
34	0000 500 943 00	2	2		M 5 DIN 934-8 A3C
35	0000 050 981 00	1	1		
36	0000 501 444 00	1	1		M 6 DIN 934 - 8 A3C
37	0000 051 496 00	1	1		12 mm
38	0000 504 260 00	1	1		

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

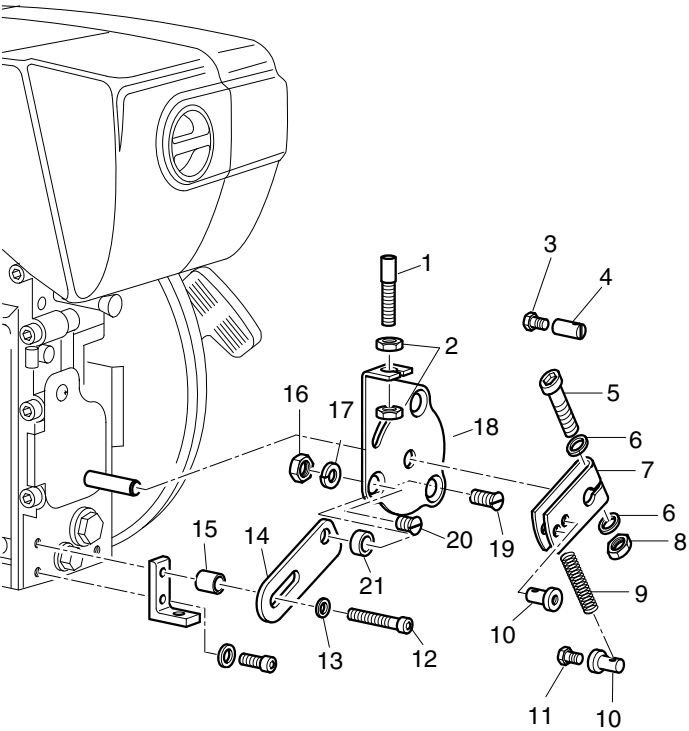


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 051 412 00	1	1		M 6
2	0000 501 444 00	2	2		M 6 DIN 934 - 8 A3C
3	0000 500 250 00	1	1		M 4 x 10 DIN 933-8.8 A3C
4	0000 504 830 00	1	1		2,2 NR. 1120
5	0000 505 119 00	1	1		M 5 x 30 DIN 912-8.8 A3C
6	0000 502 163 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 502 488 00	1	1		M 8 x 60 DIN 912-8.8A3C
13	0000 501 481 00	1	1		8,4 DIN 125-St A3C
14	0000 051 175 00	1	1		
15	0000 041 785 00	1	1		9 x 14 x 27
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

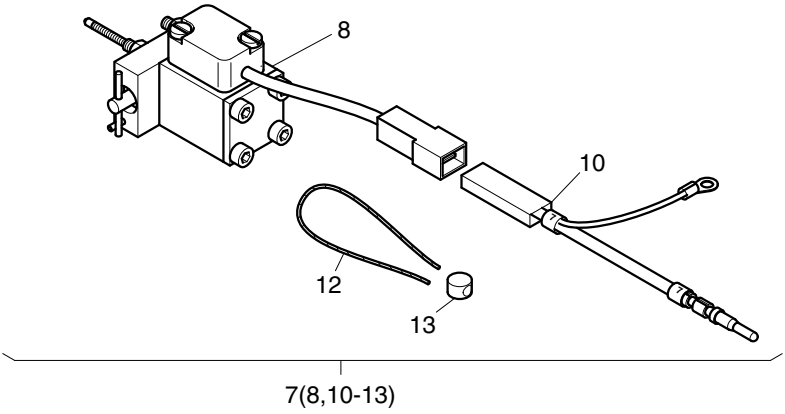
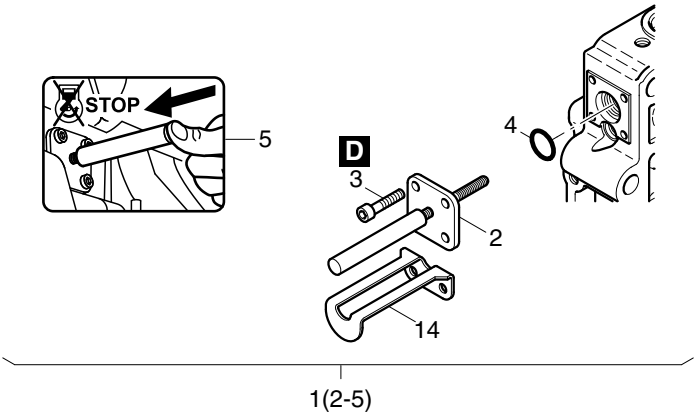


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 017 864 01	1	1		
2	-----	-	-		
3	0000 504 469 00	4	4		M 4 x 16 DIN 912-8.8 A3C Tuf.
4	0000 503 290 00	1	1		9,5 x 2,5
5	0000 052 213 01	1	1		Hinweisschild
7	0000 017 861 01	1	1		12V
7	0000 017 863 01	1	1		24V
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

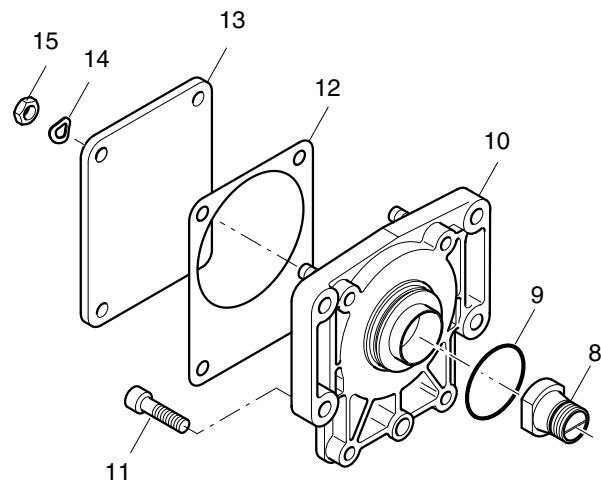
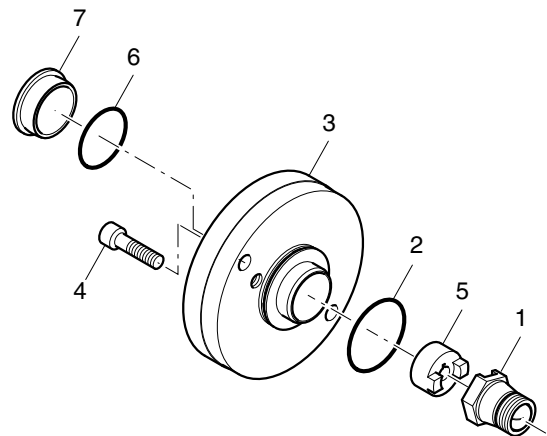


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 015 581 00	1	1		
2	0000 504 545 00	1	1		44 x 1,5
3	0000 051 150 00	1	1		
4	0000 501 759 00	2	2		M 8 x 30 DIN 912-8.8A3C
5	0000 051 147 00	1	1		
6	0000 502 882 00	1	1		32 x 2,5
7	0000 501 631 01	1	1		F 25 ø 31,8
8	0000 015 580 00	1	1		
9	0000 504 545 00	1	1		44 x 1,5
10	0000 016 648 00	1	1		
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

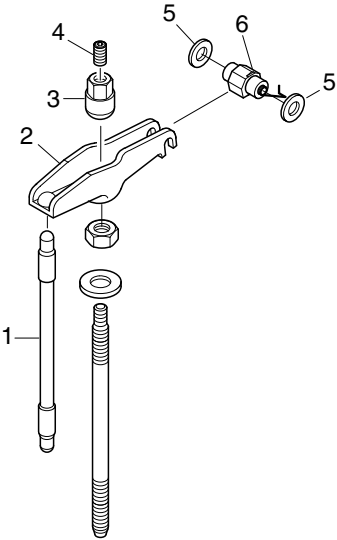


Fig.- No.	HATZ Ident-No.	Stück Qty.		W d / D	Bemerkungen Notes
		1B20V	1B30V EPA IV		
1	0000 013 742 01	2	-		
1	0000 013 741 01	-	2		
2	0000 050 509 02	2	-		
2	0000 052 835 00	-	2		
3	0000 050 547 00	2	2		
4	0000 505 131 00	2	2		
5	0000 052 407 00	0... 4	0... 4		W2 M 8 x 10 DIN 916-45H
5	0000 504 451 00	0... 4	0... 4		6 x 12 x 1,35
6	0000 017 760 00	2	2		6 x 12 x 1,2 DIN 988

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

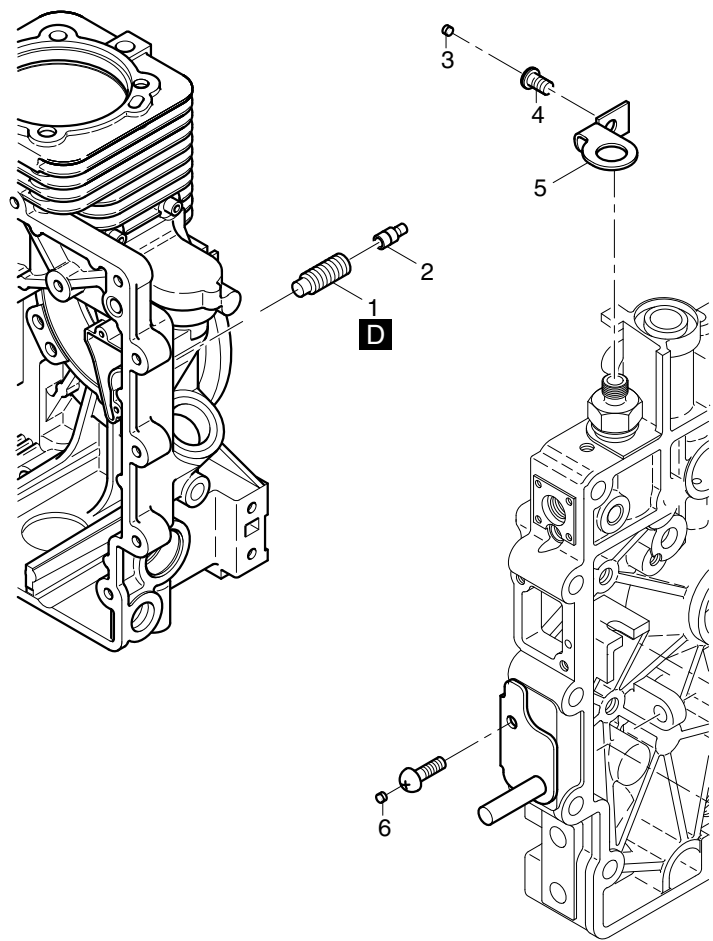


Fig.- No.	HATZ Ident-No.	Stück Qty.	W d / D	Bemerkungen Notes
		1B30V EPA IV		
1	0000 041 987 00	1		
2	0000 041 505 00	1		6
3	0000 041 706 00	2		4,15
4	0000 504 950 00	1		M 6 x 12 DIN 7380-10.9 A3C
5	0000 041 853 01	1		
6	0000 052 015 00	1		3

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DK	Denmark	9000 Aalborg	Erenfred Pedersen A/S	+45 - 98 13 77 22
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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
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I	Italy	41126 Modena (MO)	Centro Ricambi	+39 - 059 - 82 62 14
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I	Italy	84069 Roccadaspide (SA)	Sforza Marcello	+39 - 0828 - 94 18 34
I	Italy	85043 Latronico PZ	Falabella Egidio	+39 - 0973 - 85 81 41
I	Italy	88074 Crotone	R.A.I.M. S.A.S.	+39 - 0962 - 2 28 69
I	Italy	95131 Catania	Coco Gaetano di C. Mario e	+39 - 095 - 53 96 50
I	Italy	97100 Ragusa (RG)	Ricca S.R.L.	+39 - 0932 - 66 74 00
I	Italy	98071 Capo d'Orlando ME	Motagrind S.D.F. di Mangano & Scarvaci	+39 - 0941 - 90 19 59
IL	Israel	81100 Yavne, Israel	Shatal Engineering Ltd.	+972 - 8 - 9 32 02 20
IND	India	110008 New Delhi	SKL (India) Pvt. Ltd.	+91 - 11 - 25896075
IND	India	400072 Mumbai	SKL (India) Pvt. Ltd.	+91 - 22 - 28 47 66 49
IQ		Tehran	Mr. B. Amyari	+98 - 9123152982
IR	Iran	Tehran	Mr. B. Amyari	+98 - 9123152982
IRL	Ireland	BT36 8BX Mullusk	T.B.F. Thompson	+44 - 2890 - 84 83 71
IRL	Ireland	BT51 5JZ Coleraine	T.B.F. Thompson	+44 - 28 - 29 55 83 53
IS	Iceland	203 Kopavogur	Tækjasalan ehf.	+354 - 5672520
J	Japan	103-0023 Tokyo	Tominaga & Co., Ltd	+81 - 3 - 36 39 - 53 11

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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
MEX	Mexico	C.P. 66477 Mexico	MAQRO S.A. de C.V.	+52 - 81 - 81 31 20 00
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 40	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





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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	37182 Karlskrona	S. Jeppson AB	+46 - 455 - 38 80 00
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 Ei	+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

HATZ service network



THA	Thailand	10120 Bangkok	General Diesel (Thailand) Co. Ltd.	+662 - 2 94 08 75 - 6, 2 84 08 28
TN	Tunesia	1001 Tunis	S.I.A Ben Djemaa & Cie	+216 - 71 24 25 66
TN	Tunesia	3000 Sfax	S.I.A Ben Djemaa & Cie	+216 - 74 40 84 09
TR	Turkey	34852 Maltepe Istanbul Turkey	Efes Makina Sanayi ve dis Ticaret Ltd. STI	+90 - 216 - 3 67 35 75
TT	Trinidad and Tob.	San Fernando	Electrodiesel & Co. Ltd.	+1 - 868 - 652 - 37 10
UA	Ukraine	03313 Kiev	ERA - Engineering Remake Aggregate	+380 - 44 - 5 99 16 44
UAE	United Arab. Em.	Dubai	INMA	+971 - 4 - 2 85 72 72
USA	United States	WI 53187-0258 Waukesha	HATZ Diesel of America, Inc.	+1 - 262-544-0254
UZB	Uzbekistan	100011 Tashkent	Kartash Profservice	+998 - 7 11 203090
VN	Vietnam	768441 Singapore	Please contact our agent in Singapore	+65 - 67 59 22 96
WAL	Sierra Leone	Freetown	cerra automotive	+232 - 77 - 23 21 72
WAN	Nigeria	- Lagos	A1 Multi Services Limited	+234 - 1 - 7 21 67 21
YAR	Rep. of Yemen	Sana'a	Al Mahtadi & Abo-Miskah Co. Ltd.	+967 - 1 - 22 47 66, 22 25 29
YV	Venezuela	Caracas	Maquinarias Larmaq, C.A.	+58- 212 - 9 44 16 31 / 9 44 56 29
ZA	South Africa	Bloemfontein	CPR Maintenance CC	+27 - (0)51 - 4 47 96 18
ZA	South Africa	Capetown	Compaction & Industrial Equipment C.C.	+27 - (0)21 - 9 49 77 67
ZA	South Africa	Edenvale	Hatz Diesel (S.A.) Pty. Ltd.	+27 - 11 - 5 74 09 00
ZA	South Africa	Port Elizabeth	S & K Diesels cc	+27 - 41 - 5 83 37 80
ZW	Zimbabwe	Harare	R & S Diesel Pro Services P/L	+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 20 V.10	1 B 20 V.11	98.580
1 B 20 V.11	1 B 20 V.12	00.590
1 B 20 V.12	1 B 20 V.13	00.595
1 B 20 V.13	1 B 20 V.14	00.598
1 B 20 V.14	1 B 20 V.15	01.613
1 B 20 V.15	1 B 20 V.16	02.617
1 B 20 V.16	1 B 20 V.17	02.619
1 B 20 V.17	1 B 20 V.18	03.629
1 B 20 V.18	1 B 20 V.19	05.649
1 B 20 V.19	1 B 20 V.20	06.662
1 B 20 V.20	1 B 20 V.21	09.679
1 B 20 V.21	1 B 20 V.22	10.698

1 B 30 V.10	1 B 30 V.11	00.598
1 B 30 V.11	1 B 30 V.12	00.607
1 B 30 V.12	1 B 30 V.13	01.613
1 B 30 V.13	1 B 30 V.14	02.617
1 B 30 V.14	1 B 30 V.15	05.649
1 B 30 V.15	1 B 30 V.16	06.660
1 B 30 V.16	1 B 30 V.17	09.683
1 B 30 V.17	1 B 30 V.18	10.699