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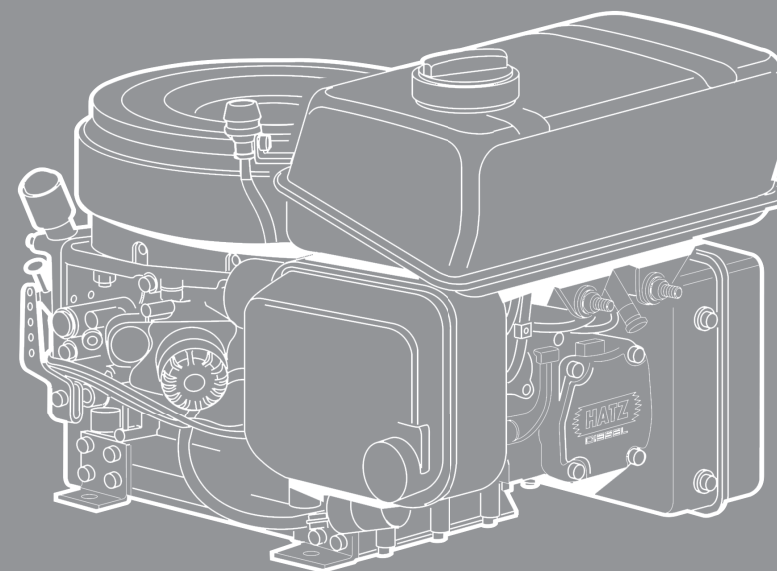
YOUR ONE STOP SUPERSTORE FOR DIESEL ENGINE PARTS

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CREATING POWER SOLUTIONS.



1D90V. | 1D90W.

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

Hatz Service

0000 434 200 80
34 - 08.2016 - 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 RUHSTORF			
ENG.FAM.	MADE IN GERMANY	mm ³ /h	
TYPE / SPEC. / FDT			
①	SERIAL NO.		
②	Liter / PV		
③	NH / kW	BUILD DATE	
This engine conforms to MY U.S. EPA regulations for nonroad compression-ignition engines and MY California regulation for off-road compression-ignition engines. Refer to Owner's manual for maintenance specifications and adjustments.			
EC-TYPE NO.			
CONSTANT-SPEED ONLY		VARIABLE SPEED	

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

1 D 90V/W.17 ☐ (113 17)
1 D 90V/W.17 DOC 1500-1800 ☐ (168 17)
1 D 90V/W.17 DOC 1850-3000 ☐ (170 17)

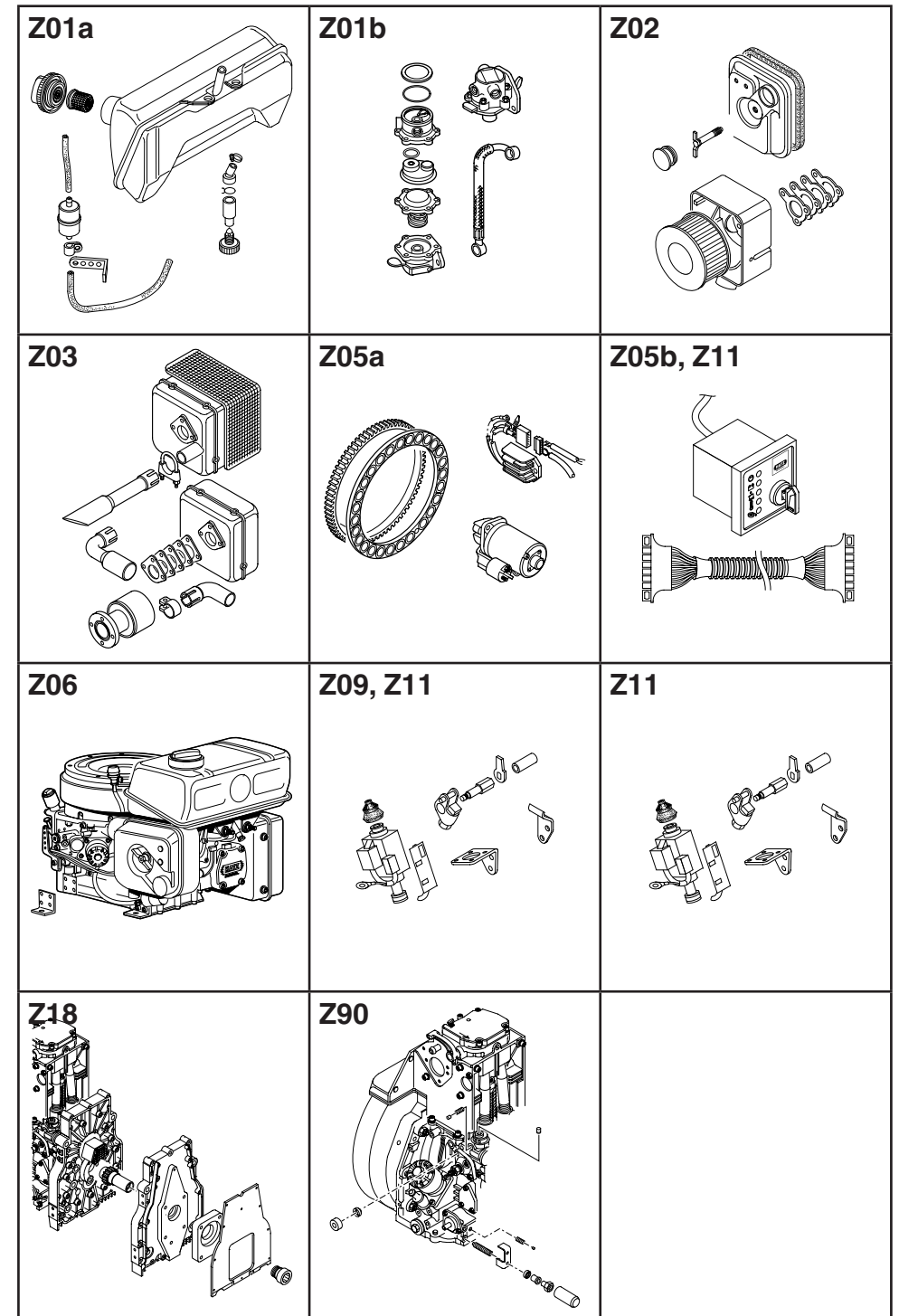
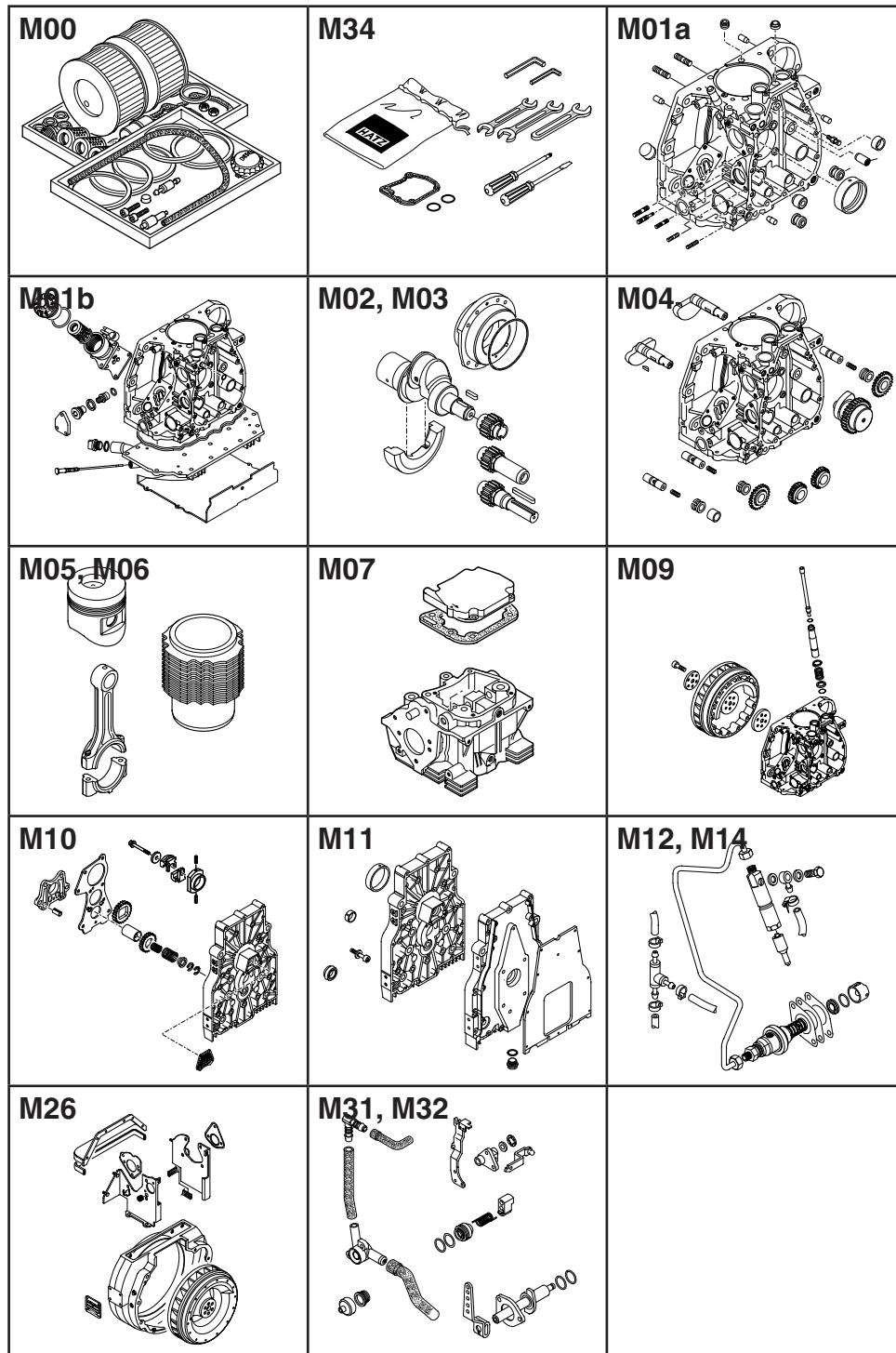
Example: / Beispiel: / Exemple: / Ejemplo: / Esempio: **113 1 6 15 123456**

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

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

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

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



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

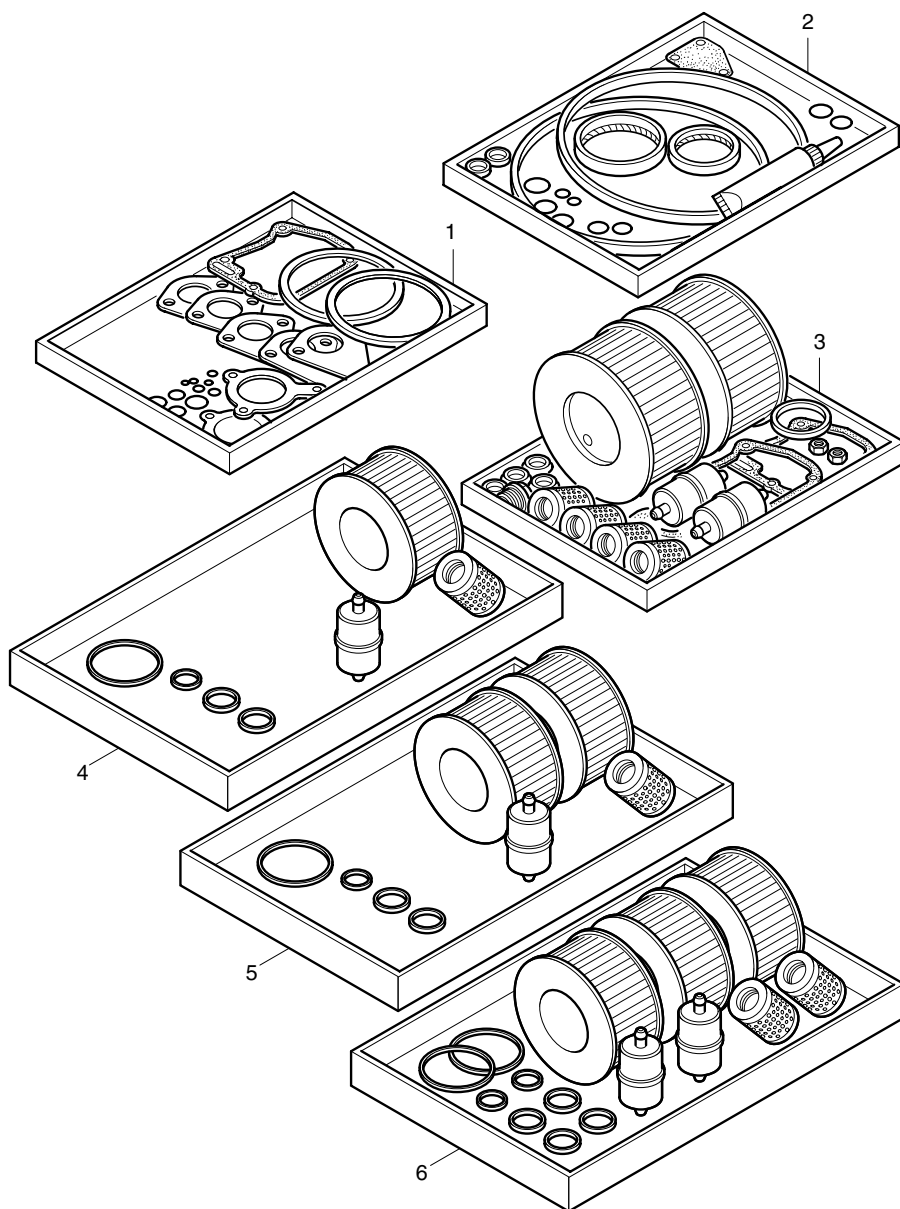


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
W:	Im Wartungssatz enthalten. Incl. in maintenance kit. Contenu dans le jeu d'entretien. Incluido en el juego de mantenimiento. Contenuto nella serie manutenzione.		D:	Im Dichtungssatz Kurbelgeh. Incl. in gasket set crankcase. 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: Anzahl pro Satz - Qty. per kit Quantite p. jeu - Cantidad p. juego Quantità per serie
1	0000 015 928 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
2	0000 016 464 12	1		Dichtungssatz für Kurbelgehäuse Gasket set for crankcase Jeu de joints p. carter moteur Juego de juntas para caja cigüeñal Serie guarnizioni basamento
3	0000 012 494 11	1		Wartungssatz für 1000 h 1000 hours maintenance kit Kit d'entretien 1000 heures - Juego de piezas para servicio 1000 horas Kit di manutenzione a 1000 ore
4	0000 022 653 00	1		Filterprogramm
5	0000 022 685 00	1		Filter program
6	0000 022 696 00	1		Progr. de filtr. Progr. de filtros Programma di filtro

M34

Accessories
Zubehör
Accessoires
Accessorios
Kit accessori

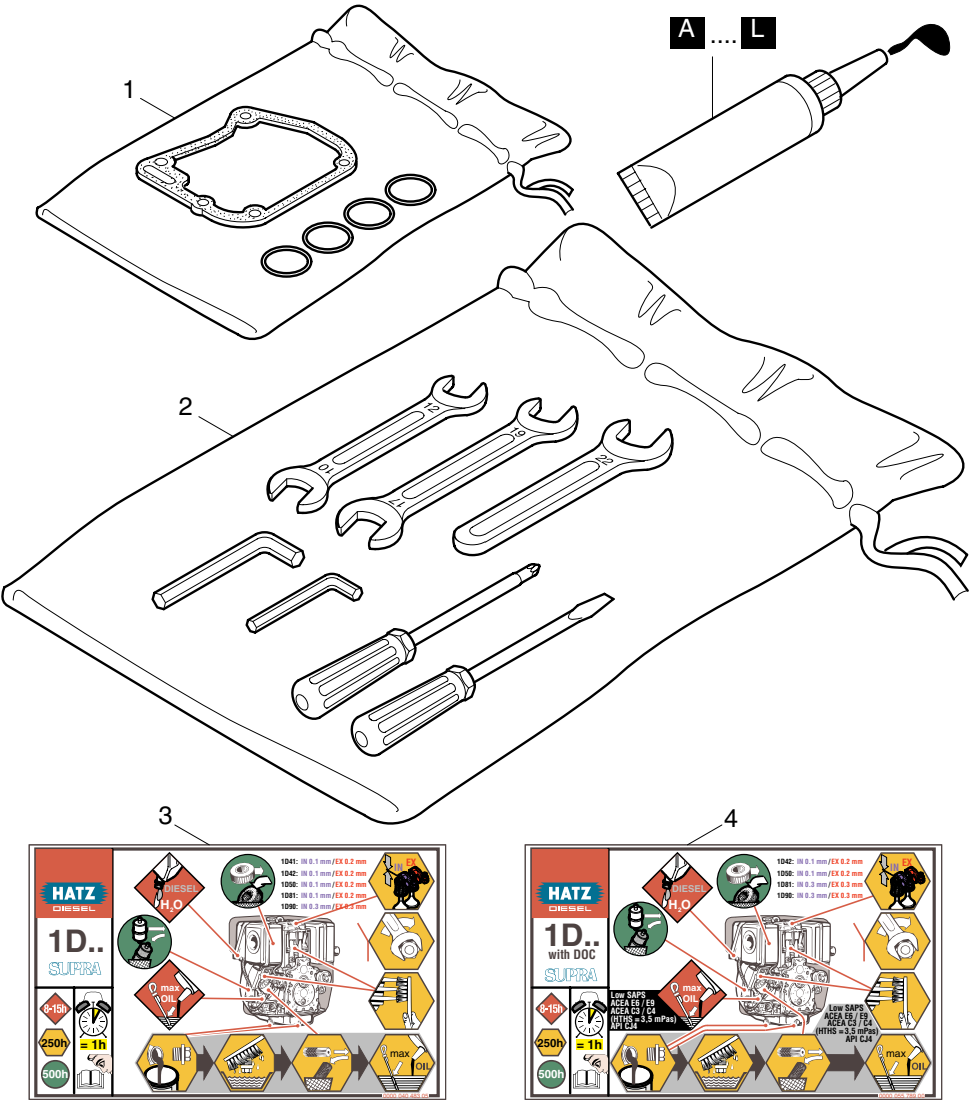


Fig.- No.	HATZ Ident-No.		Qty. Stück	W d / D	Notes Bemerkungen
		1D90V/W	1D90V/W DOC1850-3000 Serial No. 168 17	1D90V/W DOC1850-3000 Serial No. 170 17	
1	0000 012 475 12	1	1	1	Zubehörsatz-Accessor. kit
2	0000 012 476 00	1	1	1	
3	0000 040 483 05	1	-	-	
4	0000 055 789 00	-	1	1	DOC

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 700 189 18	Loctite 243	50 ml	
E = 0000 502 234 00	Loctite 648	10 ml	
F = 0000 502 238 00	Technicoll 8058	0,75 kg	suivant les remarques sur les tableau correspondant
+ 0000 502 239 00	Technicoll 8367	0,75 kg	
G = 0000 502 565 01	Loctite IS 407	20 g	según las indicaciones de las tablas correspondientes
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
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

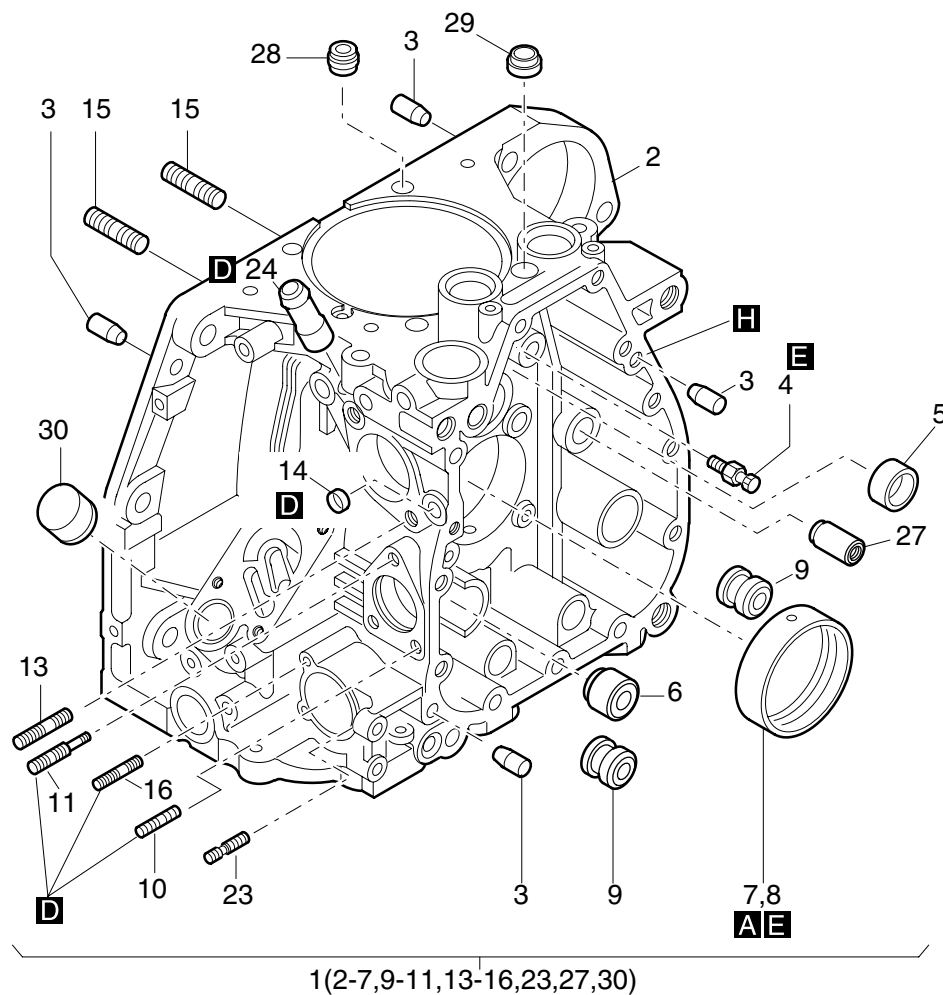


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 016 247 10	1		
2	-----	-		
3	0000 502 491 02	4		8 M6 X 20 2FASEN
4	0000 037 939 00	1		
5	0000 037 938 01	1		
6	0000 037 940 00	0... 1		ø 22 mm
7	0000 037 937 00	1		
8	0000 040 337 00	1		- 0,5 mm
9	0000 040 008 00	1... 2		ø 22 mm s. Grp A01b, Pos 4
10	0000 501 443 00	2		M 6 x 16 DIN 835 - 8.8 A3C
11	0000 037 945 10	1		
13	0000 506 012 00	2		M 8 x 25 DIN 835-10.9 A3B
14	0000 503 255 00	1		10 DIN 443-St A3C
15	0000 506 029 01	8		M 8 x 22 DIN 835-10.9
16	0000 503 282 00	2		M 6 x 22 DIN 835 - 8.8 A3C
23	0000 503 282 00	1		M 6 x 22 DIN 835 - 8.8 A3C
24	-----	-		
27	0000 041 050 00	1		ø 15 mm
28	0000 504 598 01	2		
29	0000 040 845 00	2	d2	
30	-----	-		

M01b

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

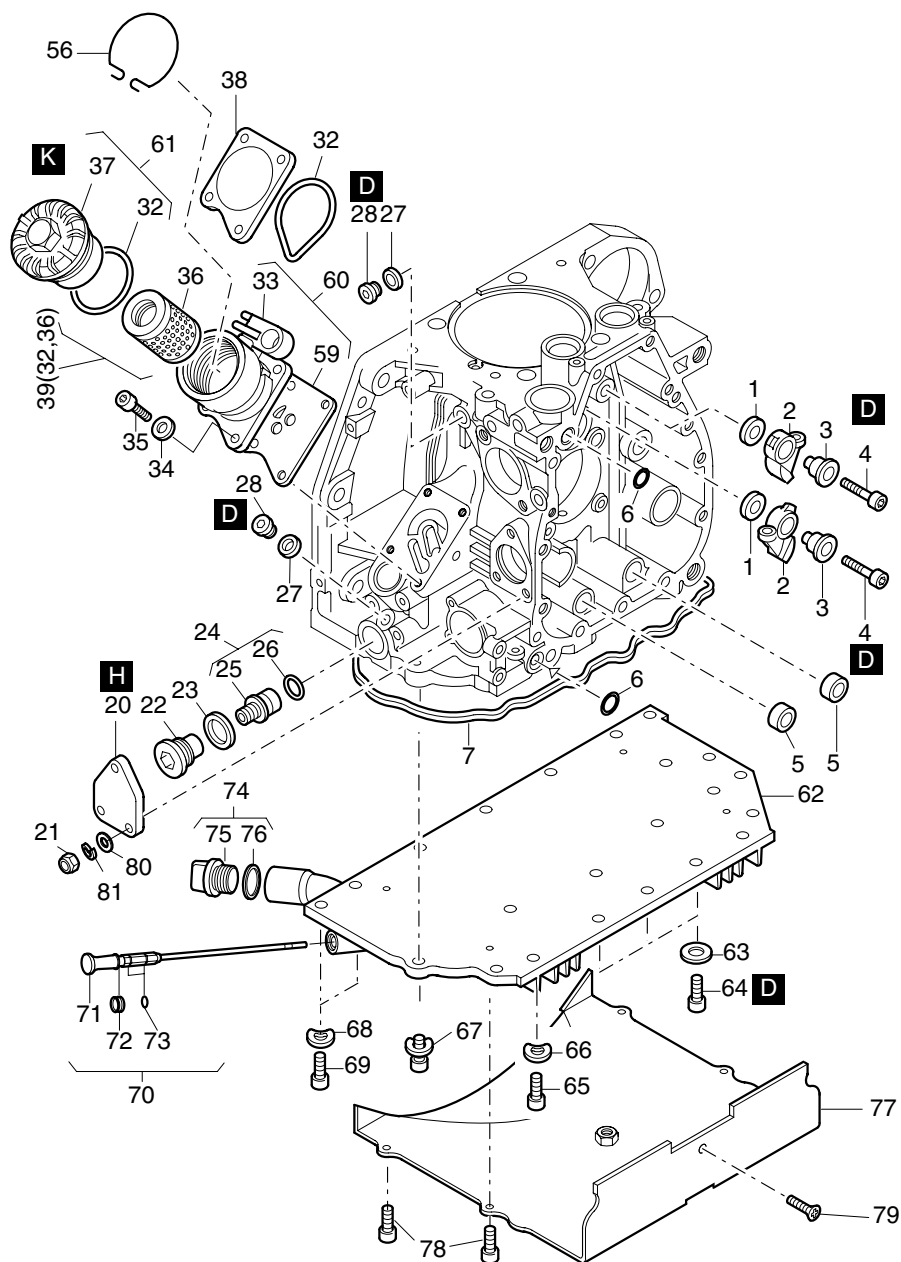


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 037 941 00	2		10,1 x 22 x 3
2	0000 037 943 00	2		
3	0000 037 942 01	2		
4	0000 505 455 01	2		M 6 x 30 DIN 912-10.9 KL 360
5	0000 037 958 00	2	D2	12 x 18,3 x 7,3
6	0000 503 290 00	2	D3	9,5 x 2,5
7	0000 037 951 00	1	D1	265 x 269,4 x 3,6
20	0000 037 947 01	1		
21	0000 503 283 00	3		VM 6 DIN 980-8 A3C
22	0000 013 212 00	1		M 24 x 1,5
23	0000 502 864 00	1	D1	A 24 x 29 DIN 7603-Cu
24	0000 013 211 00	1		
25	-----	-		
26	0000 504 604 00	1	D1	18 x 2
27	0000 500 624 00	2	D2	A 10 x 13,5 DIN 7603-Cu
28	0000 500 623 00	2		M 10 x 1 DIN 908-5.8 A3C
32	0000 503 292 00	2	W1,D2	50 x 55 x 3
33	-----	-		
34	0000 500 812 00	4		A 6 DIN 137 - A3C
35	0000 501 706 00	4		M 6 x 20 DIN 912-8.8A3C
36	-----	-		
37	-----	-		
38	0000 040 334 01	1		
39	0000 014 800 01	1		
56	0000 040 840 01	1		
59	0000 050 689 00	1	D1	
60	0000 013 183 00	1		
61	0000 012 489 01	1		
62	0000 041 373 01	1		
63	0000 501 629 00	6		A 8 x 14 DIN 7603 - Cu
64	0000 501 715 00	6		M 8 X 25 DIN 912-8.8 A3C
65	0000 501 775 00	1		M 8 X 40 DIN 912-8.8 A3C
66	0000 500 951 00	1		A 8 DIN 137 A3C
67	0000 504 176 00	11		M 8 X 25 Z4 DIN 912-8.8 A3C
68	0000 500 951 00	2		A 8 DIN 137 A3C
69	0000 501 710 00	2		M 8 X 45 DIN 912-8.8 A3C
70	0000 013 406 01	1		
71	-----	-		
72	0000 503 244 00	1	D1	V-8S
73	0000 400 220 00	2	D2	5 x 2
74	0000 016 131 00	1		
75	-----	-		
76	0000 041 250 00	1	D1	26 x 35 x3
77	0000 013 408 00	1		
78	0000 501 126 00	4		M 5 X 10 DIN 6912-8.8 A3C
79	0000 504 355 00	1		M 5 x 12 DIN 7991-8.8 A3C
80	0000 501 445 00	2		6,4 DIN 125-St A3C
81	0000 501 709 00	2		6 DIN 128 - A3C

M02, M03

Crankshaft, bearing flange
Kurbelwelle, Lagerflansch
Vilebrequin, palier
Cigüeñal, brida de cojinete
Albero a gomito, supporto

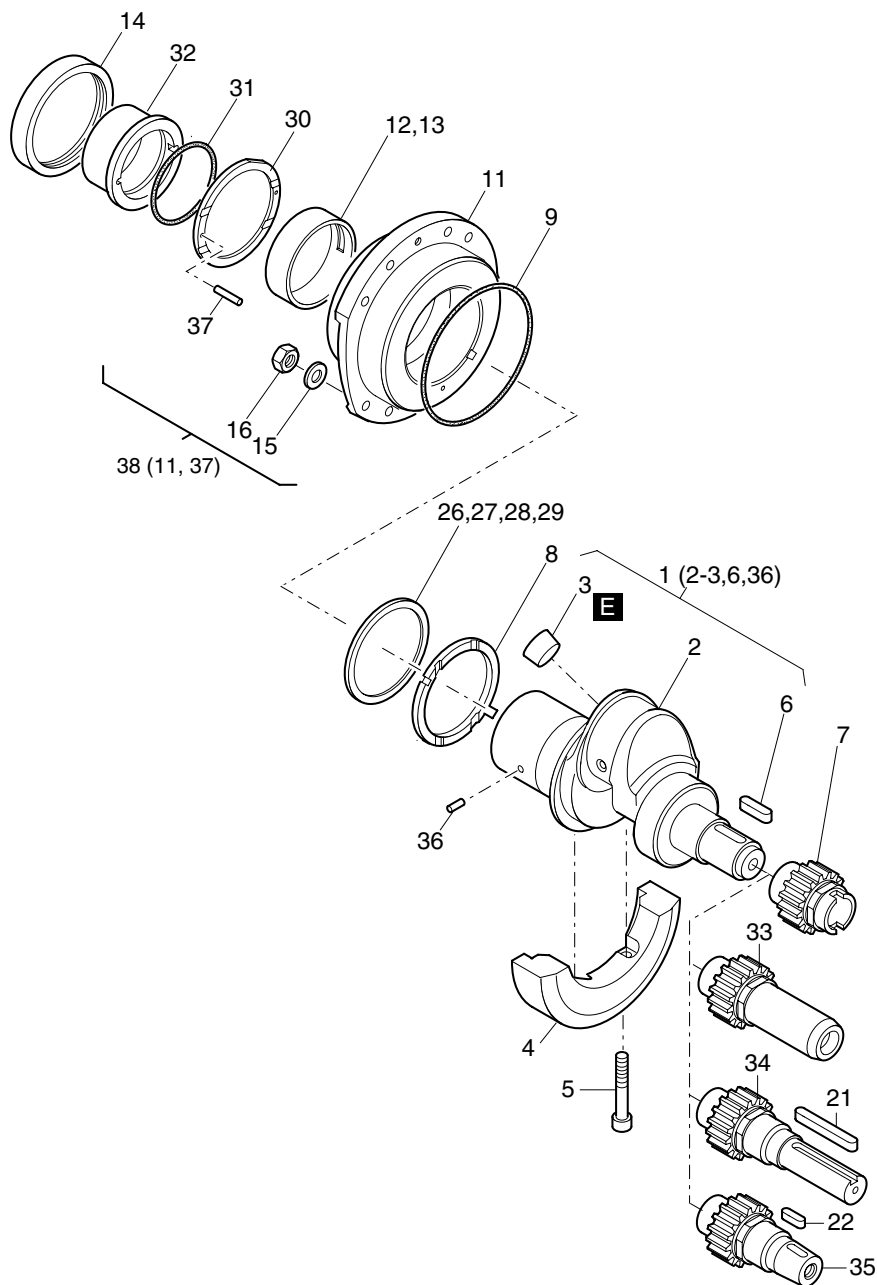


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 013 419 10	1		
2	-----	-		
3	0000 500 872 00	1		28 DIN 443
4	0000 037 960 00	1		
5	0000 500 550 01	2		M10 X 50 DIN 912-12.9
6	0000 503 626 00	1		A 6 x 4 x 32 DIN 6885 St 60
7	0000 037 961 20	1		
8	0000 040 006 00	1		
9	0000 502 249 00	1	D1	123 x 2,5
11	-----	-		
12	0000 040 068 00	1		
13	0000 040 361 00	1		- 0,5 mm
14	0000 504 781 00	1	D1	68 x 90 x 10
15	0000 504 136 00	8		8,4 300 HV DIN 125A-A3C
16	0000 503 643 00	8		M 8 DIN 934 - 10.9 A3C
21	0000 051 416 00	1		A 6,35 x 61
22	0000 500 178 00	1		4 x 6,5 DIN 6888
26	0000 041 431 00	0... 1		70 x 84 x 0,10
27	0000 041 434 00	0... 1		70 x 84 x 0,15
28	0000 041 432 00	0... 1		70 x 84 x 0,20
29	0000 041 433 00	0... 1		70 x 84 x 0,30
30	0000 041 430 00	1		
31	0000 504 786 00	1	D1	62 x 2
32	0000 041 429 00	1		
33	0000 041 873 00	1		„HP-LH“ M 20 x 1
34	0000 041 455 00	1		SAE Nr.2 ø 1“ Zyl-, Cyl.
35	0000 041 456 00	1		ital. Nr.3
36	0000 041 435 00	2		5 x 8
37	0000 504 342 00	2		2,5 x 8 DIN 7344
38	0000 017 841 00	1		

M04

Camshaft, Compensation of masses
Nockenwelle, Massenausgleich
Arbre à cames, équilibrage
Arbol de levas, compensación de las masas
Albero a camme, masse equilibratura

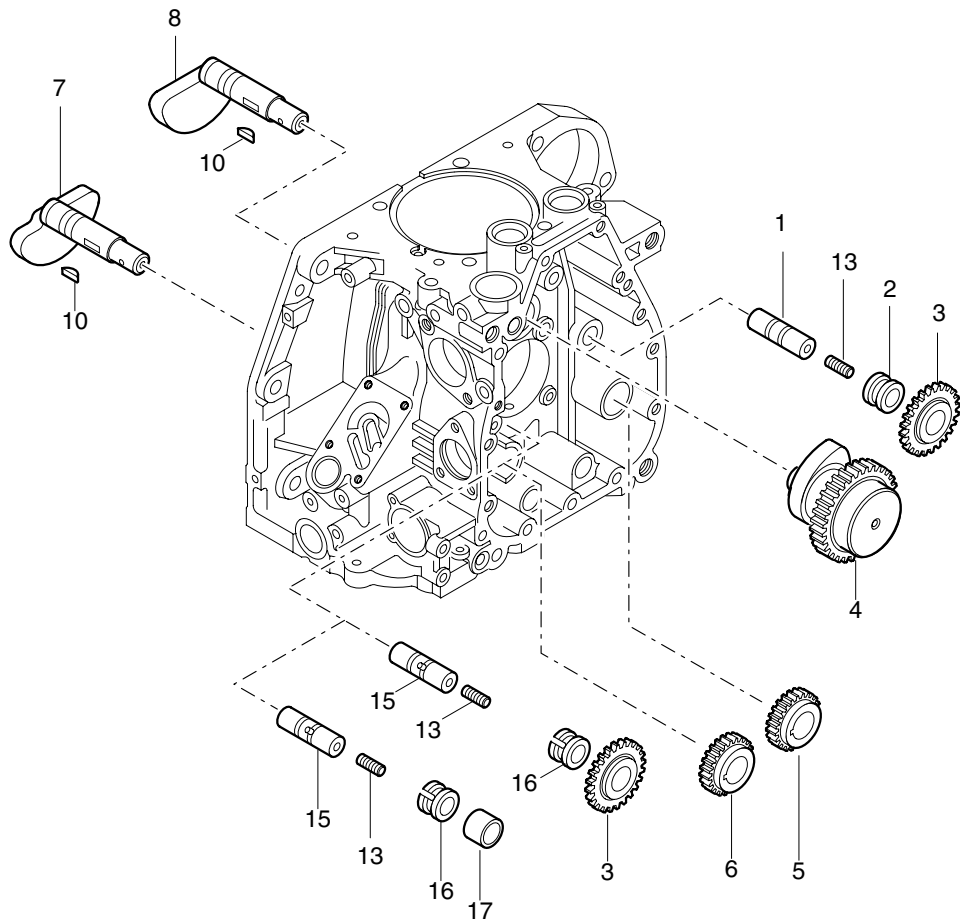


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1D90V/W	1D90V/W DOC1850-3000 Serial No. 168 17 ...	1D90V/W DOC1850-3000 Serial No. 170 17 ...
1	0000 037 964 01	1	1	1
2	0000 037 965 00	1	1	1
3	0000 012 420 00	2	2	2
4	0000 041 423 20	1	-	1
4	0000 043 331 00	-	1	-
5	0000 037 968 00	1	1	1
6	0000 037 969 00	1	1	1
7	0000 037 967 10	1	1	1
8	0000 037 966 10	1	1	1
10	0000 503 249 00	2	2	2
13	0000 503 580 00	1... 2	1... 2	1... 2
15	0000 013 207 00	1	1	1
16	0000 041 076 00	1	1	1
17	0000 040 119 00	1	1	1

DOC

3 x 3,7 DIN 6888 St 60
M 8 X 10 A3C DIN913 TUFLEC

15x24x17

M05, M06

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

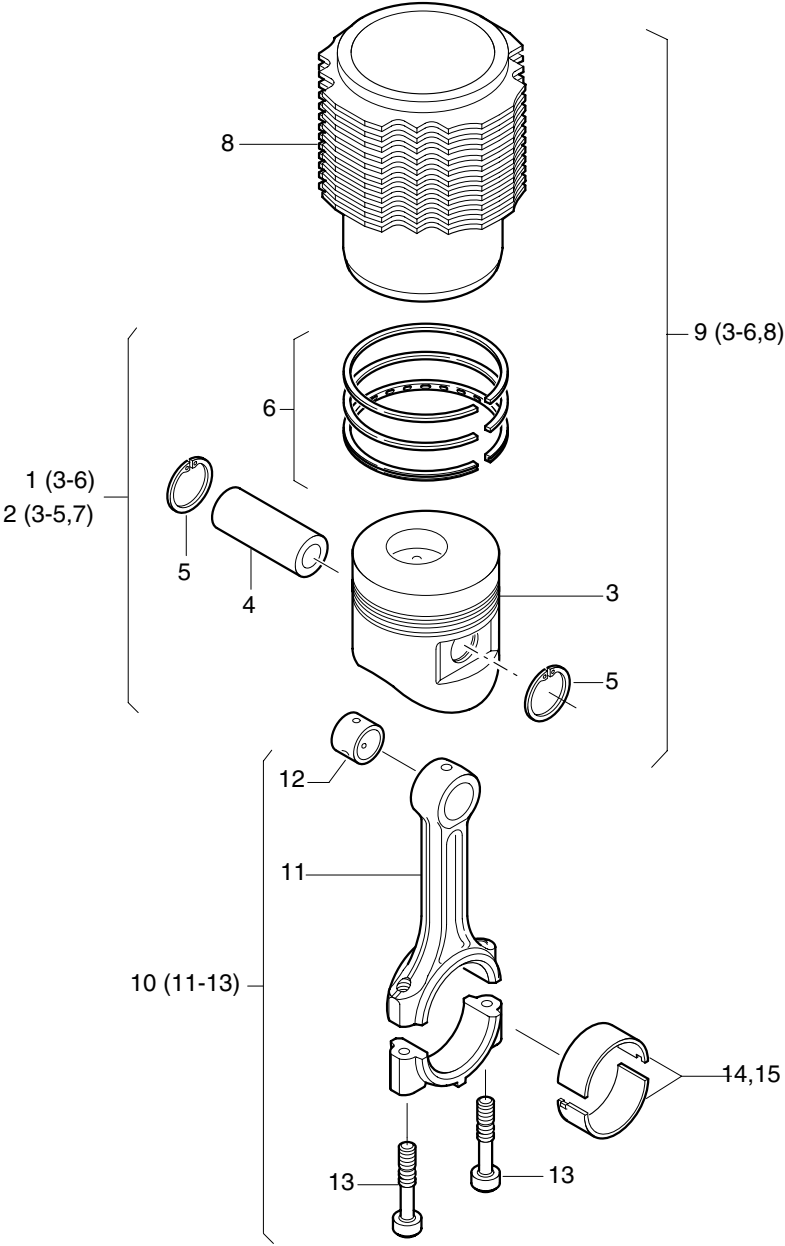


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 013 317 20	1		
2	0000 013 327 20	1		+ 0,5 mm
3	-----	-		
4	0000 504 619 00	1		30 x 15 x 75
5	0000 504 620 00	2		30 x 1,2
6	0000 013 318 00	1		
8	-----	-		
9	0000 015 926 20	1		
10	0000 012 440 01	1		
11	-----	-		
12	0000 040 322 00	1		
13	0000 040 018 10	2		
14	0000 022 519 00	1		
15	0000 022 521 00	1		- 0,5 mm

M07

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

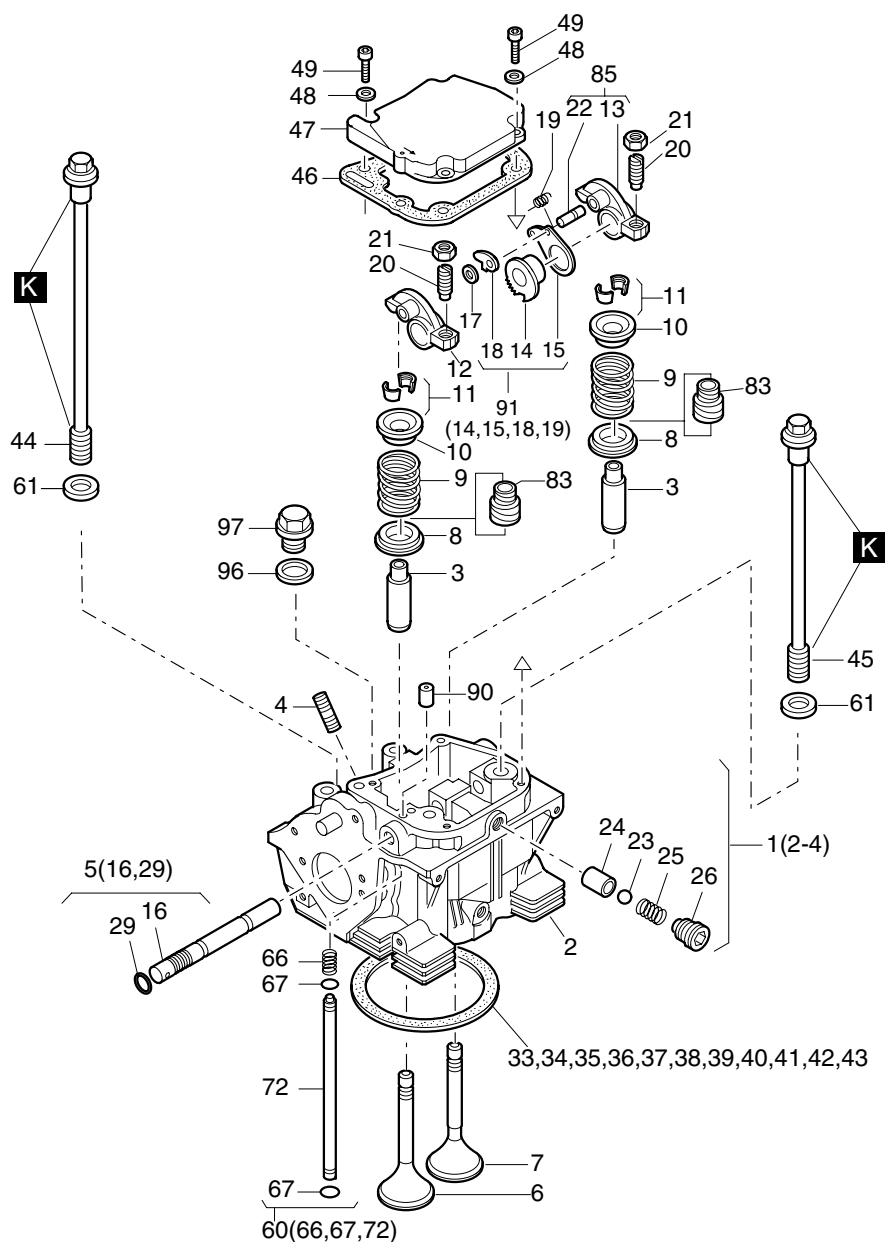


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 015 927 10	1		
2	-----	-		
3	0000 040 087 12	2		
4	0000 500 384 00	1		M 8 x 35 DIN 835-8.8 A3C
5	0000 014 689 20	1		
6	0000 040 910 02	1		
7	0000 040 911 01	1		
8	0000 040 052 01	2		
9	0000 041 520 00	2		
10	0000 040 054 01	2		
11	0000 022 522 00	2		
12	0000 040 037 10	1		
13	-----	-		
14	-----	-		
15	0000 037 784 01	1		
16	-----	-		
17	0000 501 172 00	1		RA 4ME DIN 6799
18	0000 033 657 10	1		
19	0000 033 660 01	1		
20	0000 037 830 00	2		
21	0000 031 731 00	2	W2	M 8X1
22	-----	-		
23	0000 501 238 00	1		7 mm III DIN 5401
24	0000 040 047 01	1		
25	0000 040 048 00	1		
26	0000 012 452 00	1		
29	0000 400 224 01	1	d2	8 x 2 FPM 75 MOLYKOT.
33	0000 041 193 00	0... 1		0,3 mm
33	0000 042 417 00	0... 1		0,35 mm
34	0000 041 194 00	0... 1		0,4 mm
34	0000 042 418 00	0... 1		0,45 mm
35	0000 041 195 00	0... 1		0,5 mm
35	0000 042 419 00	0... 1		0,55 mm
36	0000 041 196 00	0... 1		0,6 mm
36	0000 042 420 00	0... 1		0,65 mm
37	0000 041 197 00	0... 1	d1	0,7 mm
37	0000 042 421 00	0... 1		0,75 mm
38	0000 041 198 00	0... 1	d1	0,8 mm
38	0000 042 422 00	0... 1		0,85 mm
39	0000 041 199 00	0... 1	d1	0,9 mm
39	0000 042 423 00	0... 1		0,95 mm
40	0000 041 200 00	0... 1		1,0 mm
40	0000 042 424 00	0... 1		1,05 mm
41	0000 041 201 00	0... 1		1,1 mm
41	0000 042 425 00	0... 1		1,15 mm
42	0000 041 202 00	0... 1		1,2 mm
42	0000 042 426 00	0... 1		1,25 mm
43	0000 041 203 00	0... 1		1,3 mm
44	0000 040 032 01	2		305 mm

M07

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

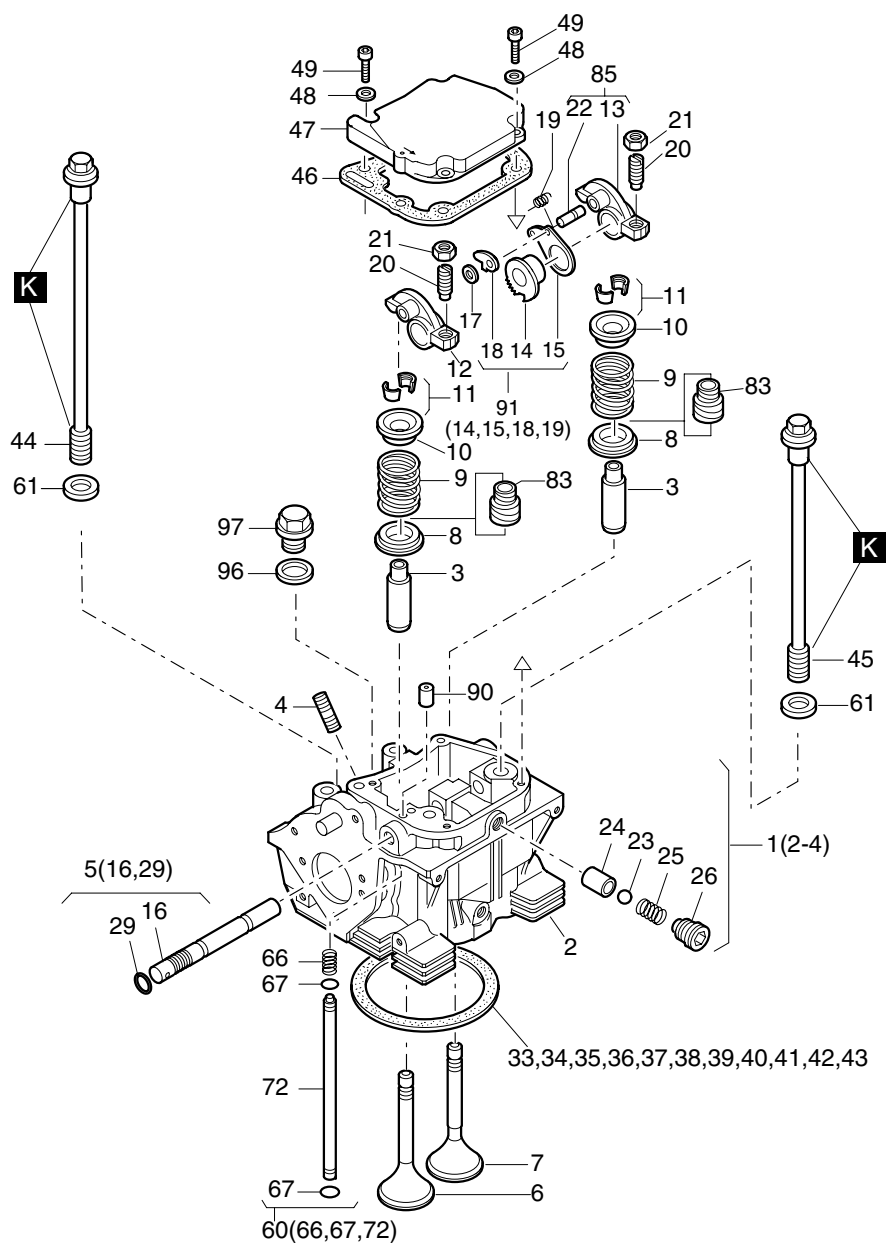


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
45	0000 040 033 01	2		258 mm
46	0000 040 061 11	1	W3,d1	
47	0000 012 454 15	1		
48	0000 500 812 00	4		A 6 DIN 137 - A3C
49	0000 501 708 00	4		M 6 x 25 DIN 912-8.8A3C
60	0000 012 697 00	1		
61	0000 034 575 00	4		12,5 x 24 x 2,5
66	0000 040 042 00	1		
67	0000 503 301 00	2	d2	4 x 1,2
72	-----	-		
83	0000 506 349 00	2	d2	
85	0000 012 850 10	1		
90	0000 041 043 00	1		(ø 8 mm)
91	0000 015 576 00	1		
96	0000 500 011 00	1	d1	A 12 x 15,5 DIN 7603-Cu
97	0000 502 214 00	1		M 12 x 1,5 DIN 910-St A3C

M09

Pushrod, flywheel
Stoßstange, Schwungrad
Tige de culbuteur, volant
Varilla de balancín, volante
Asta bilancieri, volano

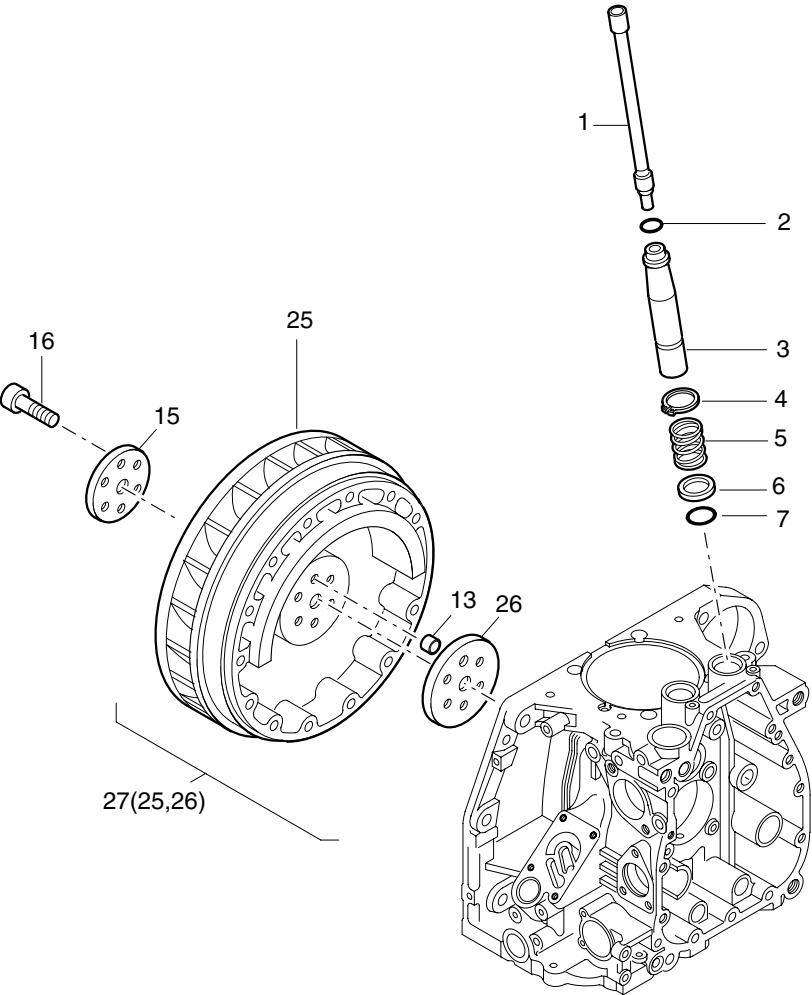


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 012 443 10	2		
2	0000 503 302 00	2		19 x 3
3	0000 040 025 00	2		
4	0000 503 470 00	2		AS 24 x 1,75 DIN 471
5	0000 040 026 00	2		
6	0000 040 020 00	2		
7	0000 503 303 00	2		23 x 3
13	0000 031 237 00	1		
15	0000 040 074 10	1		
16	0000 503 631 00	6		M12 X 1,5 X 40 DIN 912-10.9
25	-----	-		
26	0000 041 530 00	1		
27	0000 016 969 00	1		

M10

Oil pump, governor
Ölpumpe, Regler
Pompe a huile, regulateur
Bomba de aceite, regulador
Pompa olio, regolatore

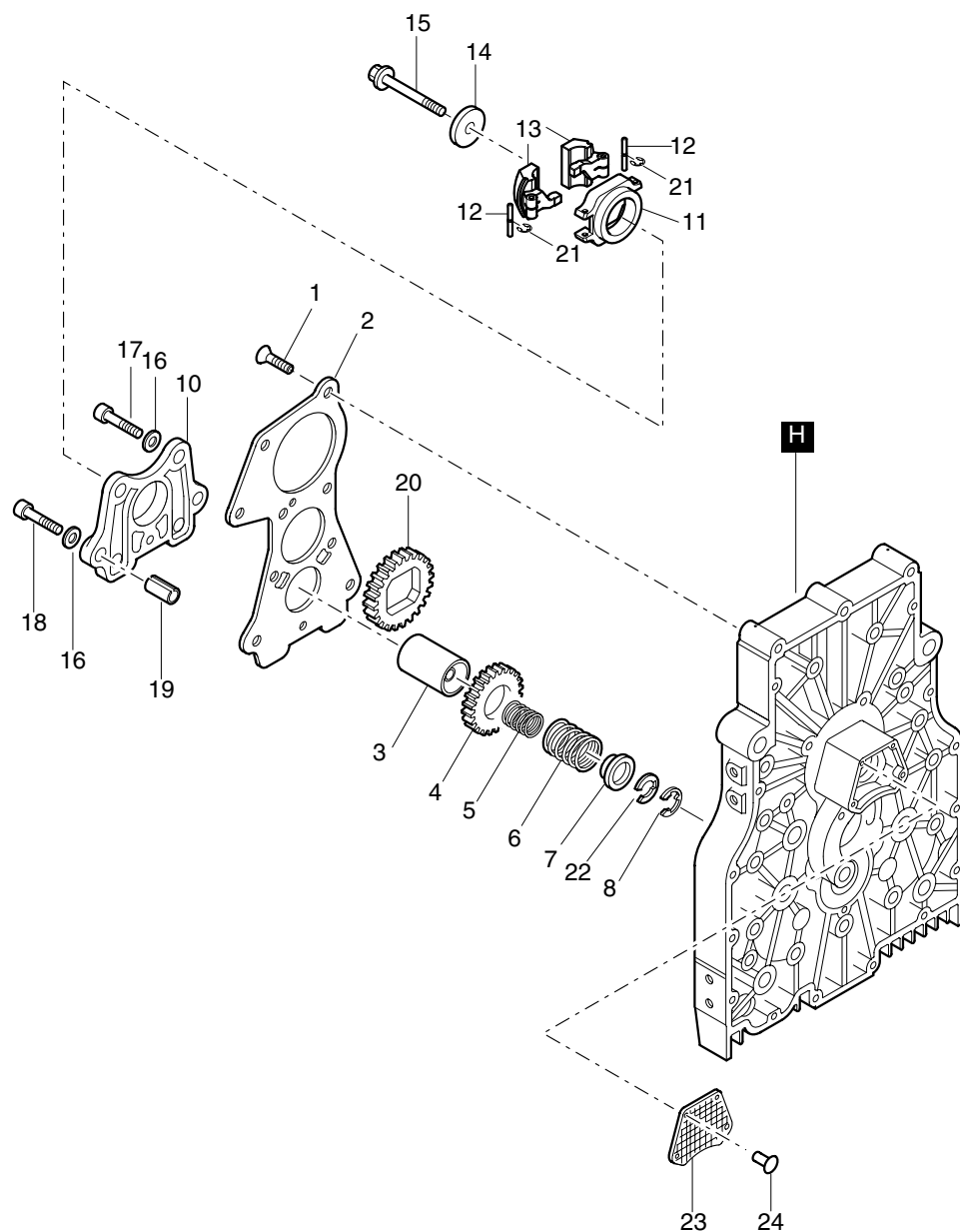


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
2	0000 037 974 12	1		
3	0000 012 424 01	1		
4	0000 037 973 10	1		
5	0000 040 528 00	0... 1		ø 1,6 mm ... 1500 min-1
5	0000 040 529 00	0... 1		ø 1,7 mm 1501...1800 min-1
5	0000 040 088 01	0... 1		ø 1,9 mm 1801...2300 min-1
6	0000 040 708 00	0... 1		ø 2,6 mm 2301...2500 min-1
6	0000 040 634 00	0... 1		ø 2,8 mm 2301...3000 min-1
6	0000 040 896 00	0... 1		ø 2,8 mm 3000 min-1 Gen.PV78
7	0000 037 986 00	1		
8	0000 503 347 00	1		5 ME DIN 6799
10	0000 016 945 00	1		
11	0000 042 771 01	1		
12	0000 042 773 00	1		
13	0000 042 772 02	1		
14	0000 037 979 00	1		
15	0000 037 978 01	1		
16	0000 500 812 00	5		A 6 DIN 137 - A3C
17	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3C
18	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
19	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
20	0000 037 987 20	1		
21	0000 505 943 00	2		2 x 10 ISO 8753-ST
22	0000 040 460 00	0... 3		0,5 mm
22	0000 042 625 00	0... 1		0,3 mm
23	0000 041 377 00	1		
24	0000 504 776 00	4		3,2 x 10

M11

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

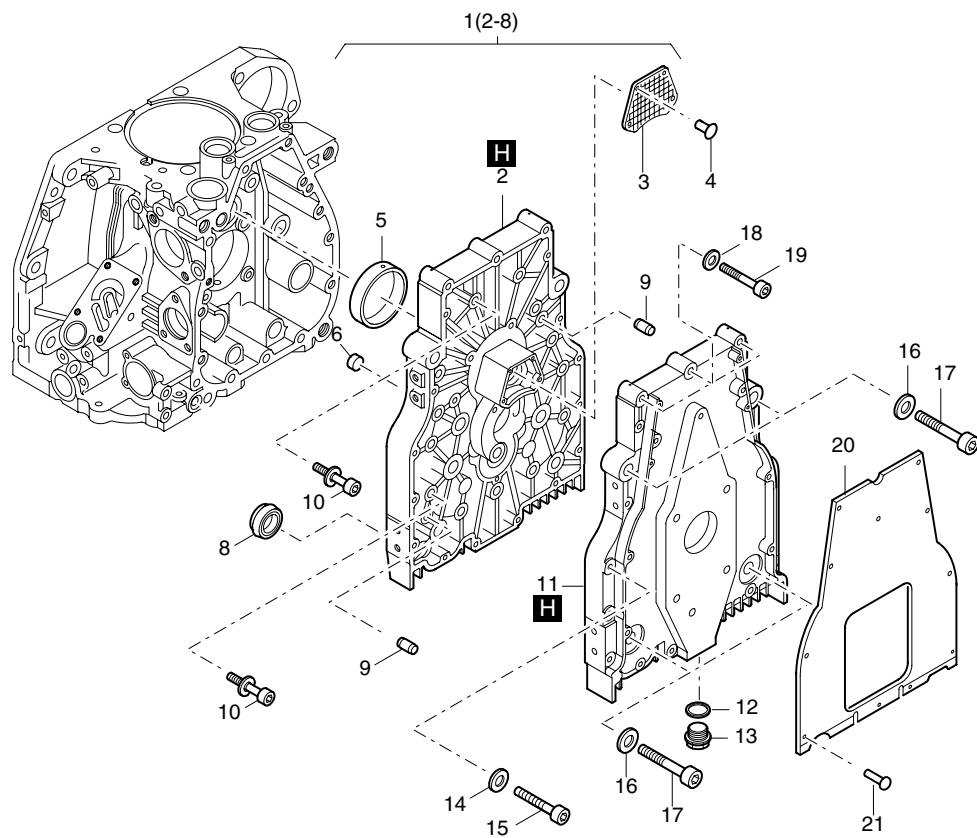


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 016 249 10	1		
2	-----	-		
3	0000 041 377 00	1		
4	0000 504 776 00	4		3,2 x 10
5	0000 040 003 10	1		
6	-----	-		
8	0000 041 065 00	1	D1	
9	0000 502 491 02	2		8 M6 X 20 2FASEN
10	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3C
11	0000 041 378 00	1		s.Grp Z18
12	0000 504 591 00	1	D1	A 22 x 27 DIN 7603-AI
13	0000 503 731 00	0... 1		AM22x1,5DIN7604A3C MAGN.
13	0000 501 404 00	0... 1	W1	AM22x1,5DIN7604-5.8A3C
14	0000 500 812 00	14		A 6 DIN 137 - A3C
15	0000 503 749 00	14		M 6 X 35 DIN 912-8.8 A3C
16	0000 500 036 00	4		B12 DIN 137
17	0000 500 569 00	4		M12 X 70 DIN 912-10.9
18	0000 500 951 00	3		A 8 DIN 137 A3C
19	0000 501 775 00	3		M 8 X 40 DIN 912-8.8 A3C
20	0000 041 405 00	1		
21	0000 504 776 00	10		3,2 x 10

M12, M14

Extra fuel device, Injection equipment
Startfüllung, Einspritzausrüstung
Surcharge, Equipement d'injection
Sobre aliment.-arranque, Equipo de inyección
Supplemento, Equipaggiamento iniezione

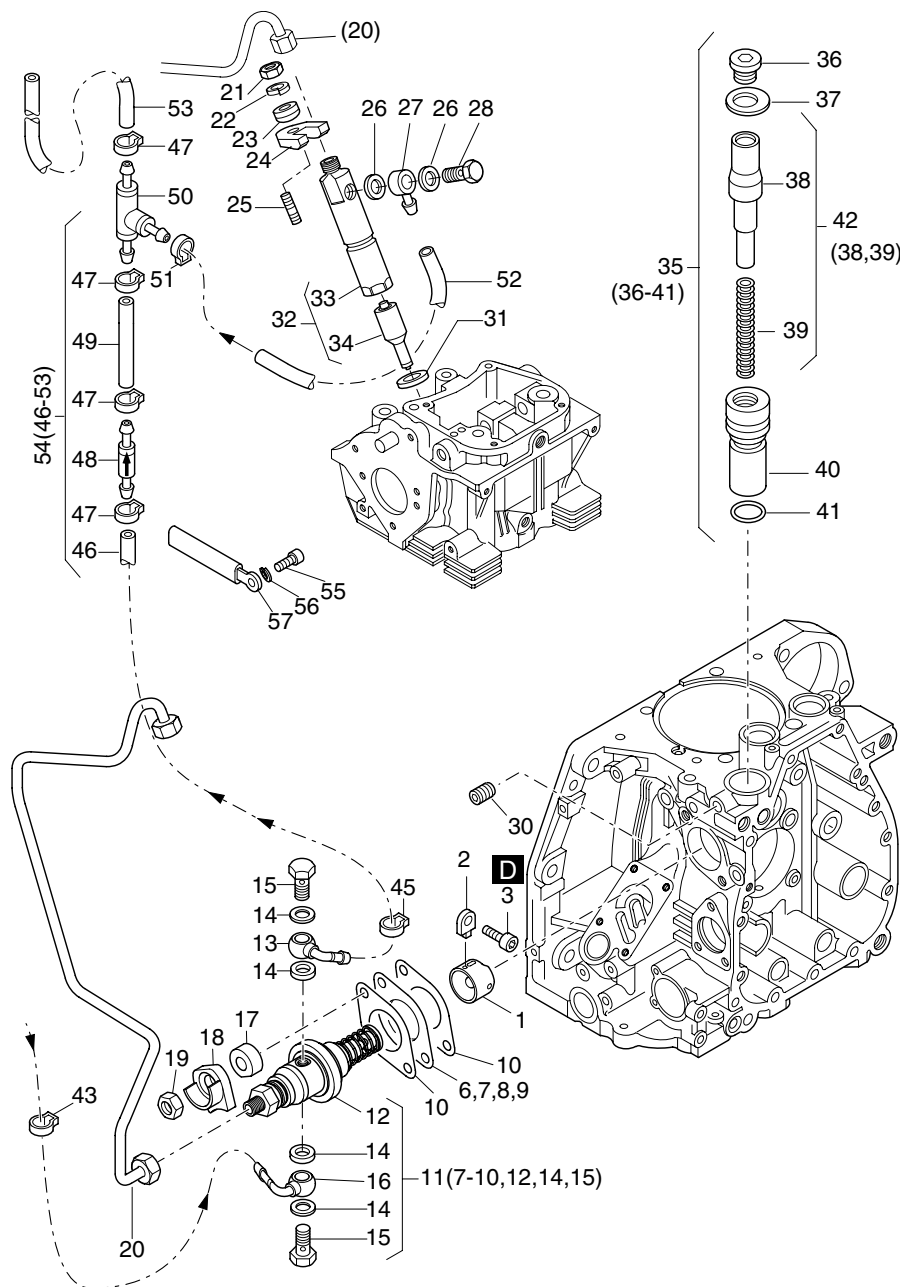


Fig.- No.	HATZ Ident-No.		Qty. Stück		W d / D	Notes Bemerkungen
		1D90V/W	1D90V/W DOC1650-3000 Serial No. 168 17	1D90V/W DOC1650-3000 Serial No. 170 17		
1	0000 504 929 00	1	1	1		
2	0000 041 692 00	1	1	1		
3	0000 500 507 00	1	1	1		M 6 x 16 DIN 912-8.8
6	0000 032 097 00	0... 1	0... 1	0... 1		0,30 / 42,2
7	0000 041 024 00	0... 1	0... 1	0... 1		0,60 / 42,2
8	0000 041 025 00	0... 1	0... 1	0... 1		0,90 / 42,2
9	0000 041 026 00	0... 1	0... 1	0... 1		1,20 / 42,2
10	0000 040 713 00	0... 2	0... 2	0... 2	D3	0,10 mm
10	0000 041 022 00	0... 2	0... 2	0... 2		0,20 mm
10	0000 041 023 00	0... 2	0... 2	0... 2		0,30 mm
11	0000 018 645 02	1	-	-		NPFE 1QLC80-303
11	0000 025 045 00	-	1	1		NPFE 1QLC80-116
12	-----	-	-	-		
13	0000 052 997 01	2	2	2		
14	0000 505 863 00	4	4	4	D4	
15	0000 505 778 01	2	2	2		M 8 x 1
16	0000 052 997 01	1	1	1		
17	0000 042 393 00	2	2	2		
18	0000 042 391 00	2	2	2		
19	0000 042 443 00	2	2	2		M 8 / R11
20	0000 013 136 20	1	1	1		
21	0000 501 480 00	1	1	1		M 8 DIN 934-8 A3C
22	0000 502 085 00	1	1	1		8 DIN 128 A3C
23	0000 040 357 00	1	1	1		
24	0000 037 924 01	1	1	1		
25	0000 500 384 00	1	1	1		M 8 x 35 DIN 835-8.8 A3C
26	0000 500 008 00	2	2	2	d2	A 6,5 x 9,5 DIN 7603-Cu
27	0000 503 334 00	1	1	1		
28	0000 503 130 00	1	1	1		M 6
30	0000 500 046 00	1	1	1		M 8 X 16 DIN 916-45H A3C
31	0000 040 258 00	1	1	1	d1	
32	0000 505 675 00	1	1	1		
33	-----	-	-	-		
34	0000 505 676 00	1	1	1		
35	0000 014 989 02	0... 1	0... 1	0... 1		
35	0000 014 990 01	0... 1	0... 1	0... 1		„T“
36	0000 503 308 00	1	1	1		M16x1,5DIN908-5.8A3CTuf
37	0000 040 016 00	1	1	1		
38	-----	-	-	-		
39	0000 050 352 00	1	1	1		
40	0000 040 014 10	1	1	1		
41	0000 503 289 00	1	1	1		22 x 1,6
42	0000 015 195 00	0... 1	0... 1	0... 1		
42	0000 015 122 00	0... 1	0... 1	0... 1		„T“
45	0000 505 709 00	1	1	1		Ø 12,8
46	0000 054 422 00	1	1	1		6 x 135 mm
47	0000 505 709 00	4	4	4		Ø 12,8

M12, M14

Extra fuel device, Injection equipment
Startfüllung, Einspritzausrüstung
Surcharge, Equipement d'injection
Sobre aliment.-arranque, Equipo de inyección
Supplemento, Equipaggiamento iniezione

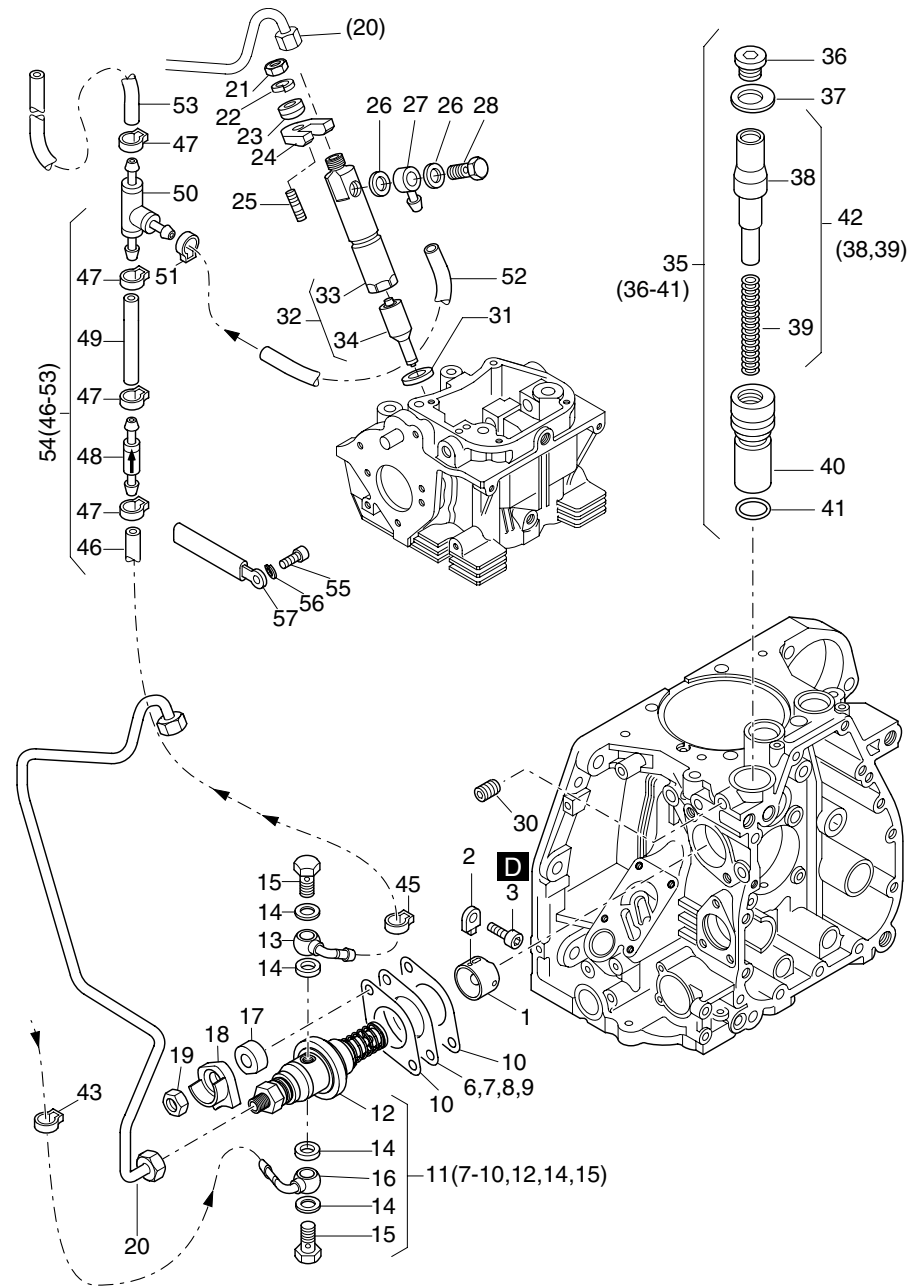


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1D90V/W	1D90V/W DOC1850-3000 Serial No. 168 17 ..	1D90V/W DOC1850-3000 Serial No. 170 17 ..	
48	0000 008 055 02	1	1	1	
49	0000 036 638 10	1	1	1	5 x 40 mm
51	0000 503 998 01	1	1	1	Ø 11,3
52	0000 053 224 01	1	1	1	3,5 x 320 mm
53	0000 038 071 10	1	1	1	5 x 150
54	0000 016 820 13	1	1	1	
55	0000 501 654 00	1	1	1	M 8 X 16 DIN 912-8.8 A3C
56	0000 502 085 00	1	1	1	8 DIN 128 A3C
57	0000 050 239 00	1	1	1	

M26

Air ducting
Luftführung
Carter ventilation
Conducción de aire
Carter ventilatore

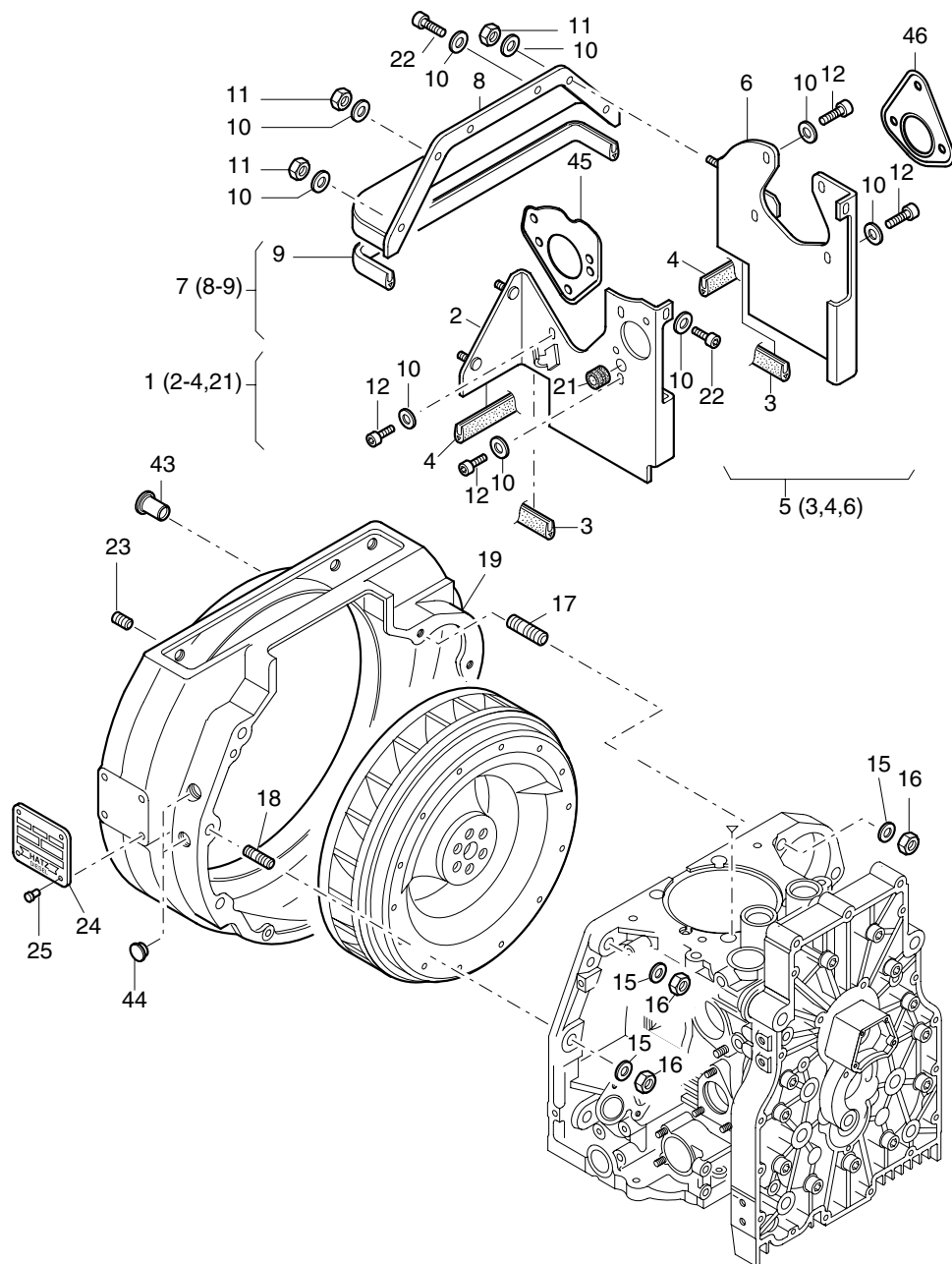


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 012 462 23	1		
2	-----	-		
3	0000 040 076 01	2		35 mm
4	0000 040 077 20	2		76 mm
5	0000 012 464 13	1		
6	-----	-		
7	0000 012 466 00	1		
8	-----	-		
9	0000 040 079 01	1		406 mm
10	0000 503 907 01	15		6 DIN 6796 - 6 - FST ZN
11	0000 501 444 00	4		M 6 DIN 934 - 8 A3C
12	0000 503 842 00	7		M 6x12 DIN 912-8.8 A3C Tuf.
15	0000 500 937 00	6		13 DIN 125-St A3C
16	0000 500 936 00	6		M12 DIN 934-8 A3C
17	0000 504 750 00	2		M 12 x 40 DIN 835-8.8 A3C
18	0000 504 750 00	4		M 12 x 40 DIN 835-8.8 A3C
19	0000 016 892 00	1		
21	0000 503 348 00	1		
22	0000 504 168 00	4		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
23	0000 502 260 00	4		M 8 X 6 DIN 913-45H TU.FLEC
24	-----	-		
25	0000 400 025 00	4		2,4
43	0000 504 216 00	8		12
44	0000 505 458 00	2		10,5
45	0000 041 257 00	1		
46	0000 041 256 01	1		

M31, M32

Breather, speed control
 Entlüftung, Drehzahlverstellung
 Purge d'air, réglage régime
 Purgo de aire, Ajuste de revoluciones
 Sfiatantóio, Regolatore di giri

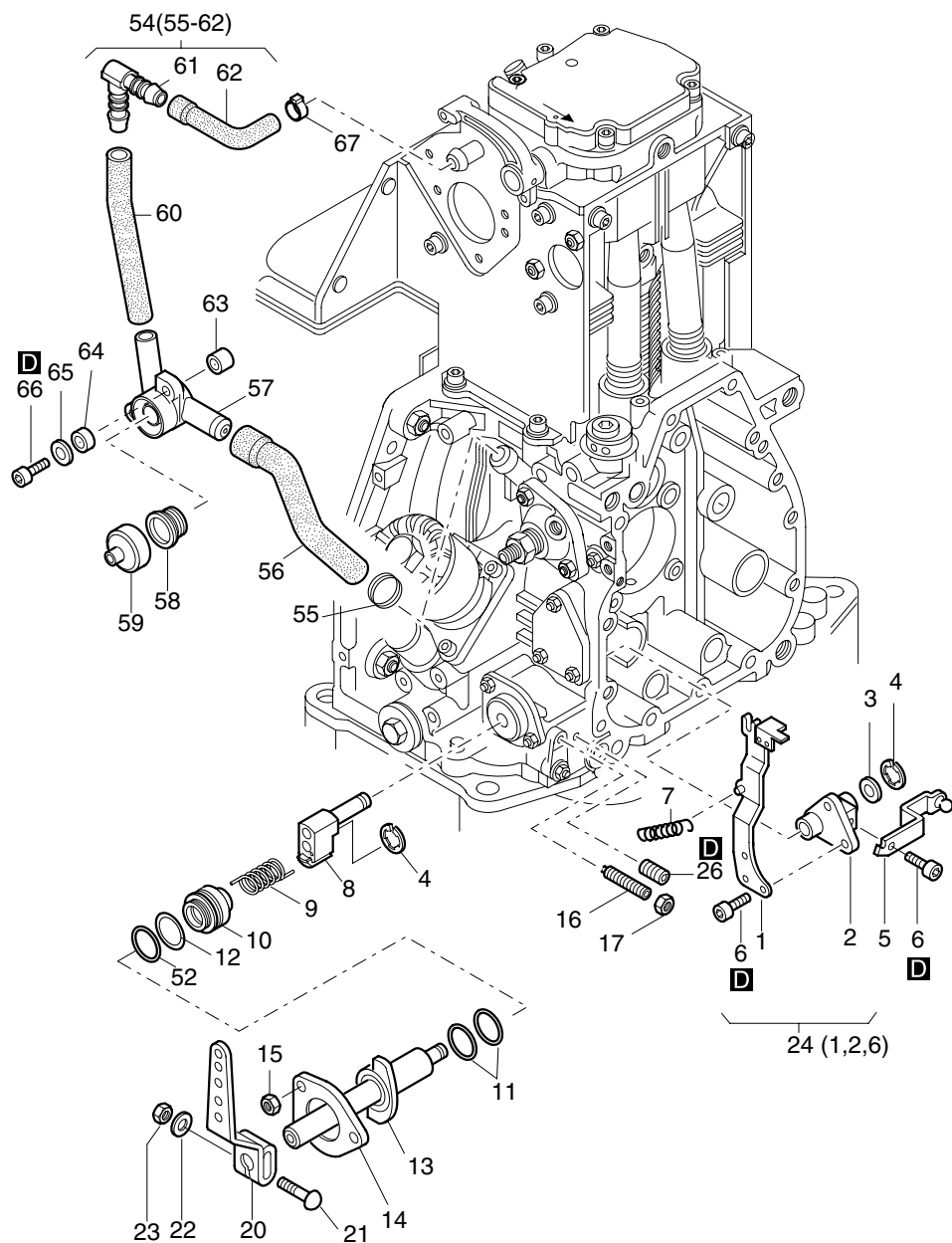


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	-----	-		
2	-----	-		
3	0000 040 001 00	1		
4	0000 502 661 00	2		6 DIN 6799
5	0000 040 375 00	1		
6	0000 503 287 01	4		M 5 X 8 DIN 912- 8.8TUF
7	0000 040 002 00	1		
8	0000 012 428 11	1		
9	0000 037 990 10	1		
10	0000 040 527 10	1		
11	0000 504 129 00	2	D2	18 x 2
12	0000 501 299 00	1	D1	32 x 2,5
13	0000 012 792 22	1		
14	0000 037 992 10	1		
15	0000 503 283 00	3		VM 6 DIN 980-8 A3C
16	0000 505 078 01	2		M 6 X 45 DIN 915
17	0000 501 444 00	2		M 6 DIN 934 - 8 A3C
20	0000 038 883 00	1		
21	0000 039 273 01	1		M 6 x 32
22	0000 501 445 00	1		6,4 DIN 125-St A3C
23	0000 503 465 00	1		M 6 DIN 934 - 10 A2F
24	0000 012 468 03	1		
26	0000 504 035 00	1		M 8 X 20 DIN 914TUF360G
52	0000 504 536 00	1		32 x 45 x 2,5 A3C DIN 988
54	0000 013 404 00	1		
55	0000 040 905 00	1		
56	0000 041 409 00	1		
57	-----	-		
58	0000 035 687 00	1		
59	0000 041 407 00	1		
60	0000 041 694 00	1		11 x 16 x 160
61	0000 504 772 00	1		WS 10-90°
62	0000 041 408 00	1		
63	0000 041 410 01	1		6,1 x 16 x 20
64	0000 040 805 01	1		7 x 8 x 9
65	0000 501 445 00	1		6,4 DIN 125-St A3C
66	0000 503 749 00	1		M 6 X 35 DIN 912-8.8 A3C
67	0000 505 238 00	1		Ø 16,0

Z01a

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

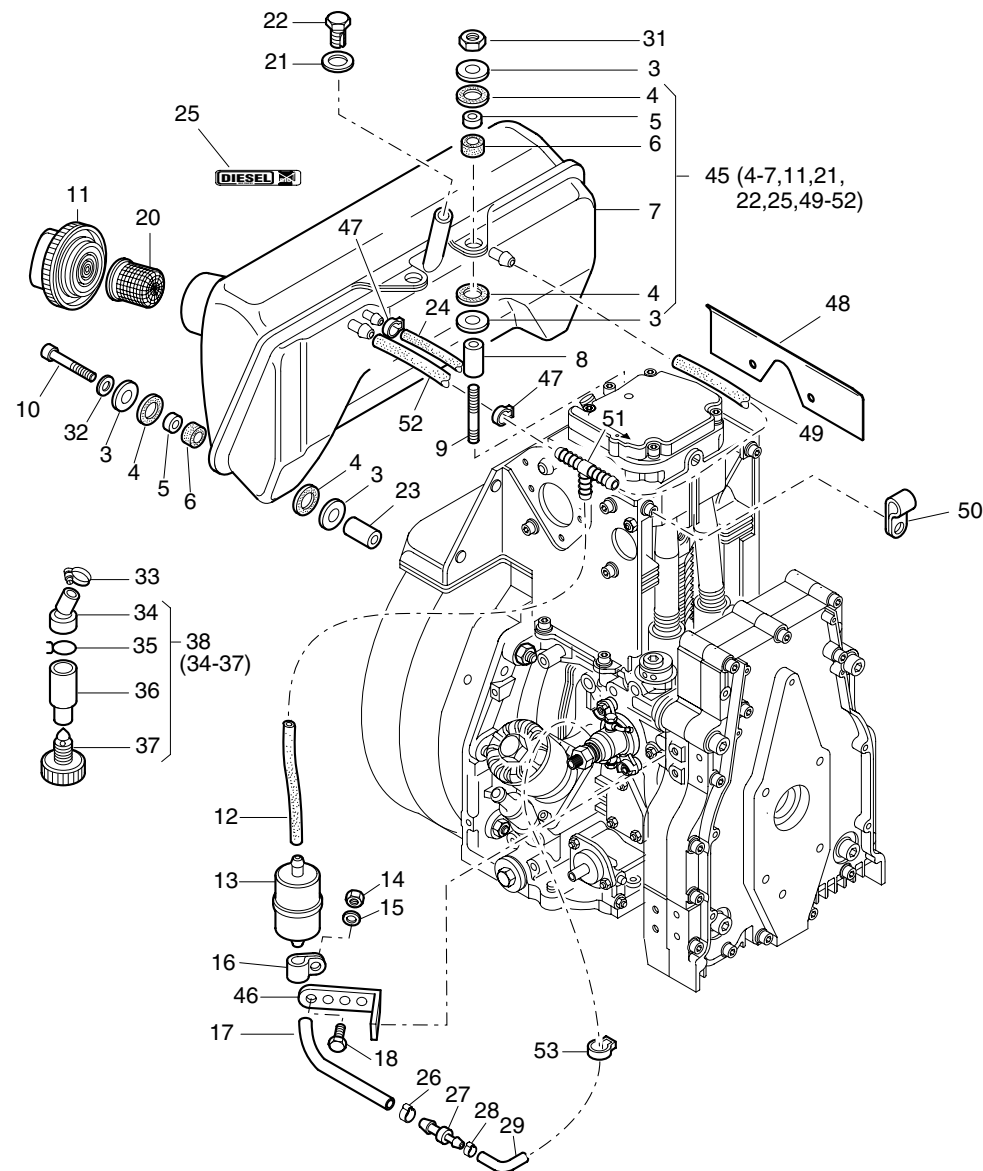


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
3	0000 050 976 00	12		8,5 - 27
4	0000 039 818 02	12		17 - 25
5	0000 039 817 01	6		8,4 x 13 x 7,5
6	0000 039 819 00	6		
7	-----	-		
8	0000 039 898 00	2		8,5 x 20 x 49
9	0000 503 770 01	2		M 8 x 75 DIN 835-10.9 A3C
10	0000 501 775 00	4		M 8 X 40 DIN 912-8.8 A3C
11	0000 503 858 01	1		DT 60 f.Tank 7l + 10l
12	0000 050 379 10	1		7 x 13 x 90
13	0000 504 788 00	1	W2	Filter > -6°C
13	0000 400 894 01	1		Filter < -6°C
14	0000 501 444 00	1		M 6 DIN 934 - 8 A3C
15	0000 501 445 00	1		6,4 DIN 125-St A3C
16	0000 501 584 00	3		14 / 15
17	0000 053 303 00	1		7 x 225
18	0000 501 655 00	1		M 6 x 12 DIN 933-8.8 A3C
20	0000 503 873 00	1		f. Tank 7l + 10l
21	0000 500 010 00	1		A 10 x 16 DIN 7603-Cu
22	0000 051 260 00	1		M 10 x 12
23	0000 050 292 00	4		9 x 18 x 8
24	0000 051 819 10	1		5 x 35 mm
25	0000 052 356 01	1		„DIESEL“
26	0000 505 238 00	1		Ø 16,0
27	0000 052 404 00	1		
28	0000 505 709 00	1		Ø 12,8
29	0000 036 643 10	1		5 x 75
31	0000 501 480 00	2		M 8 DIN 934-8 A3C
32	0000 502 085 00	4		8 DIN 128 A3C
33	0000 504 480 00	1		Ø9 x 12,5 DIN3017-W1
34	0000 050 440 01	1		
35	0000 050 369 00	1		
36	0000 050 439 02	1		
37	0000 504 148 00	1		M 10
38	0000 015 194 02	1		
45	0000 016 265 01	1		7L
45	0000 016 266 01	1		10L
46	0000 052 538 00	1		
47	0000 505 709 00	2		Ø 12,8
48	0000 051 969 00	1		
49	0000 036 935 10	1		
50	0000 501 735 00	1		10 / 15
51	0000 504 406 00	1		
52	0000 050 232 10	1		7 x 160
53	0000 505 900 00	1		Ø 12,0

Z01b

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

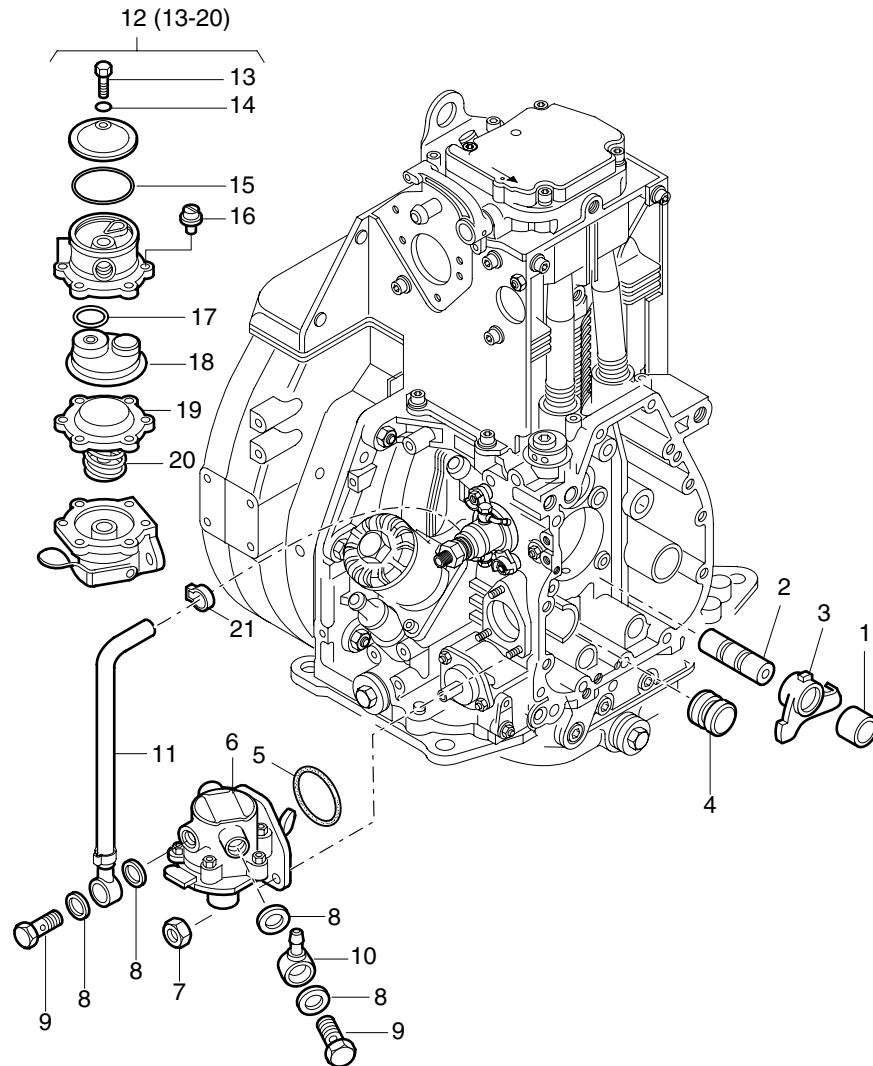


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 040 119 00	1		15x24x17 „S“
2	0000 037 964 01	1		„S“
3	0000 041 854 00	1		
4	0000 040 008 00	1		ø 22 mm „S“
5	0000 503 318 00	1		35 x 2,8
6	0000 053 015 00	1		
7	0000 503 283 00	3		VM 6 DIN 980-8 A3C
8	0000 500 012 00	4		A 14 x 18 DIN 7603-Cu
9	0000 500 064 00	2		10-3 DIN 7643
10	0000 500 159 00	1		NW 8 / 6
11	0000 014 688 12	1		
12	0000 490 625 01	1		Reparatursatz, repair kit
13	-----	-		
14	-----	-		
15	0000 503 995 00	1		37 x 2,5
16	-----	-		
17	-----	-		
18	-----	-		
19	-----	-		
20	-----	-		
21	0000 505 900 00	1		Ø 12,0

Air filter
Luftfilter
Filtre à air
Filtro de aire
Filtro aria

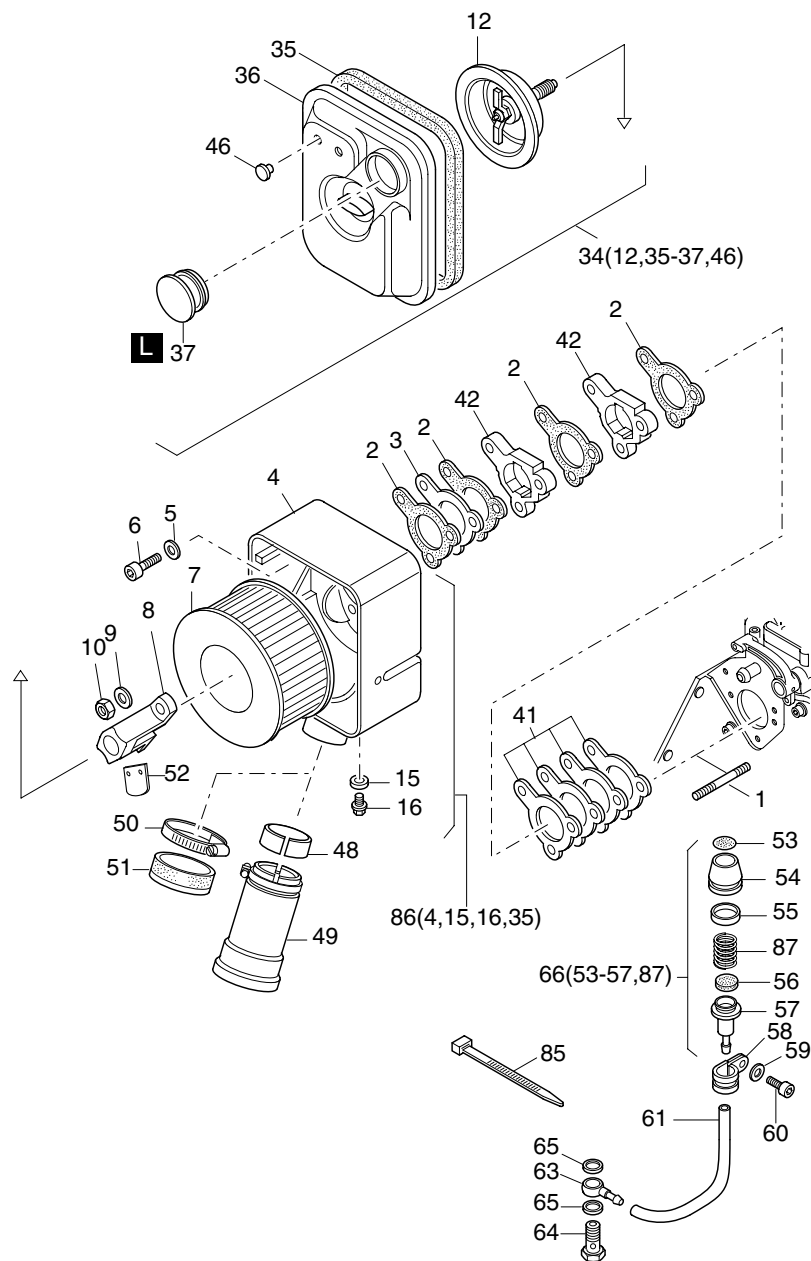


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 500 391 00	2	d4	M 8 x 70 DIN 835-8.8
2	0000 040 063 00	4		
3	0000 040 062 00	1		
4	-----	-		
5	0000 500 951 00	1	W2	A 8 DIN 137 A3C
6	0000 504 785 00	1		M 8 X 55 DIN 6912-8.8 A3C
7	0000 014 930 00	1		
8	0000 014 834 01	1		
9	0000 501 481 00	2		8,4 DIN 125-St A3C
10	0000 501 295 00	2		M 8 DIN 985-8 A3C
12	0000 020 242 00	1		
15	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
16	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3C
34	0000 022 801 01	1		
35	0000 040 477 01	1		705 mm
36	-----	-		
37	0000 050 394 02	1		
41	0000 012 879 00	1		
42	0000 040 473 00	2		
46	0000 504 119 00	2	F 2	
48	0000 050 261 00	1		
49	0000 014 110 00	1		
50	0000 504 066 00	1		Ø 40 - 60
51	0000 005 759 00	1		
52	0000 050 335 00	1		
53	0000 050 445 02	1		
54	0000 050 436 01	1		
55	0000 050 456 00	1	(grün, green, vert, verde)	
56	0000 051 372 00	1		Filter, Filtre, Filtro ø 20 mm
57	0000 050 437 00	1		
58	0000 501 735 00	1		10 / 15
59	0000 501 709 00	1		6 DIN 128 - A3C
60	0000 501 706 00	1		M 6 x 20 DIN 912-8.8A3C
61	0000 053 844 00	1		3,5 x 230
63	0000 501 595 00	1		NW 4 / 3
64	0000 500 062 00	1		6 - 3 DIN 7643
65	0000 500 624 00	2		A 10 x 13,5 DIN 7603-Cu
66	0000 016 385 00	1		
85	0000 503 584 00	1		4,8 x 200 mm Black
86	0000 014 866 01	1		
87	0000 051 611 00	1		

Exhaust silencer
Abgasdämpfer
Silencieux
Silenciador
Marmitta

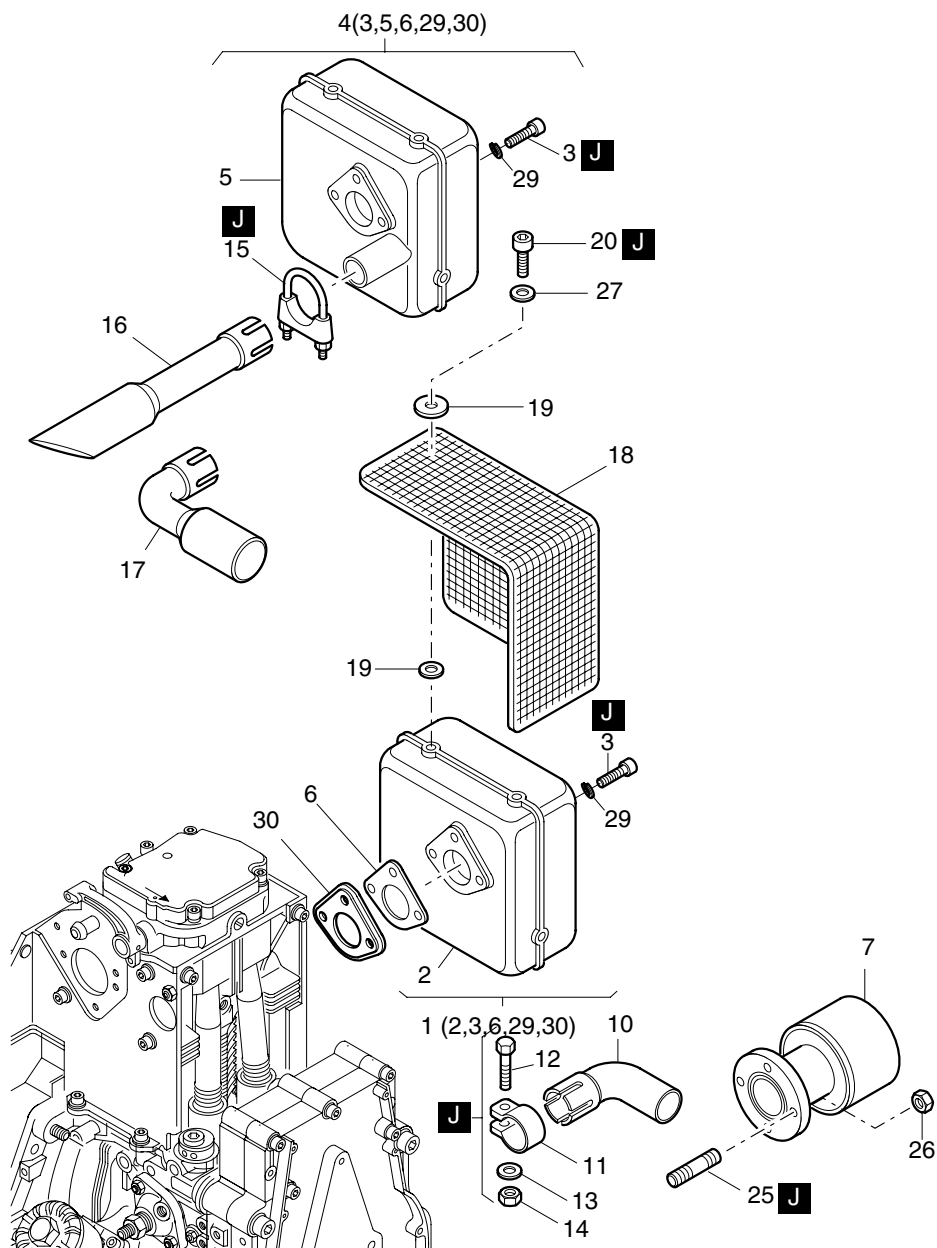


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1D90V/W DOC1850-3000 Serial No. 168 17	1D90V/W DOC1850-3000 Serial No. 170 17		
1	0000 014 988 03	0... 1	-	-	
1	0000 025 046 00	-	0... 1	0... 1	DOC
2	-----	-	-	-	
3	0000 504 040 00	3	3	3	M 8 X 30 DIN 912-8.8 C4P
4	0000 015 075 03	0... 1	-	-	
4	0000 025 047 00	-	0... 1	0... 1	DOC
5	-----	-	-	-	
6	0000 039 743 00	1	1	1	d1
7	0000 015 009 01	1	1	1	
10	0000 038 773 00	1	1	1	
11	0000 038 777 00	1	1	1	52,5 mm
12	0000 502 495 00	1	1	1	M 10 x 50 DIN 931-8.8 A3C
13	0000 501 459 00	1	1	1	10,5 DIN 125-St A3C
14	0000 400 286 00	1	1	1	VM 10 DIN 980-8 C3A
15	0000 503 881 00	1	1	1	3/8-36
16	0000 039 971 01	1	1	1	
17	0000 039 970 00	1	1	1	
18	0000 011 919 03	1	1	1	
19	0000 050 342 02	10	10	10	6,5 x 38
20	0000 502 557 00	5	5	5	M 6 x 12 DIN 912-8.8C4A
25	0000 500 373 00	2	2	2	M 8 x 18 DIN 835-10.9
26	0000 400 284 00	2	2	2	VM 8 DIN 980-8 C3A
27	0000 501 200 00	5	5	5	A 6,4 DIN 9021-St A3C
29	0000 502 085 00	3	3	3	8 DIN 128 A3C
30	0000 041 256 01	1	1	1	

Z05a

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

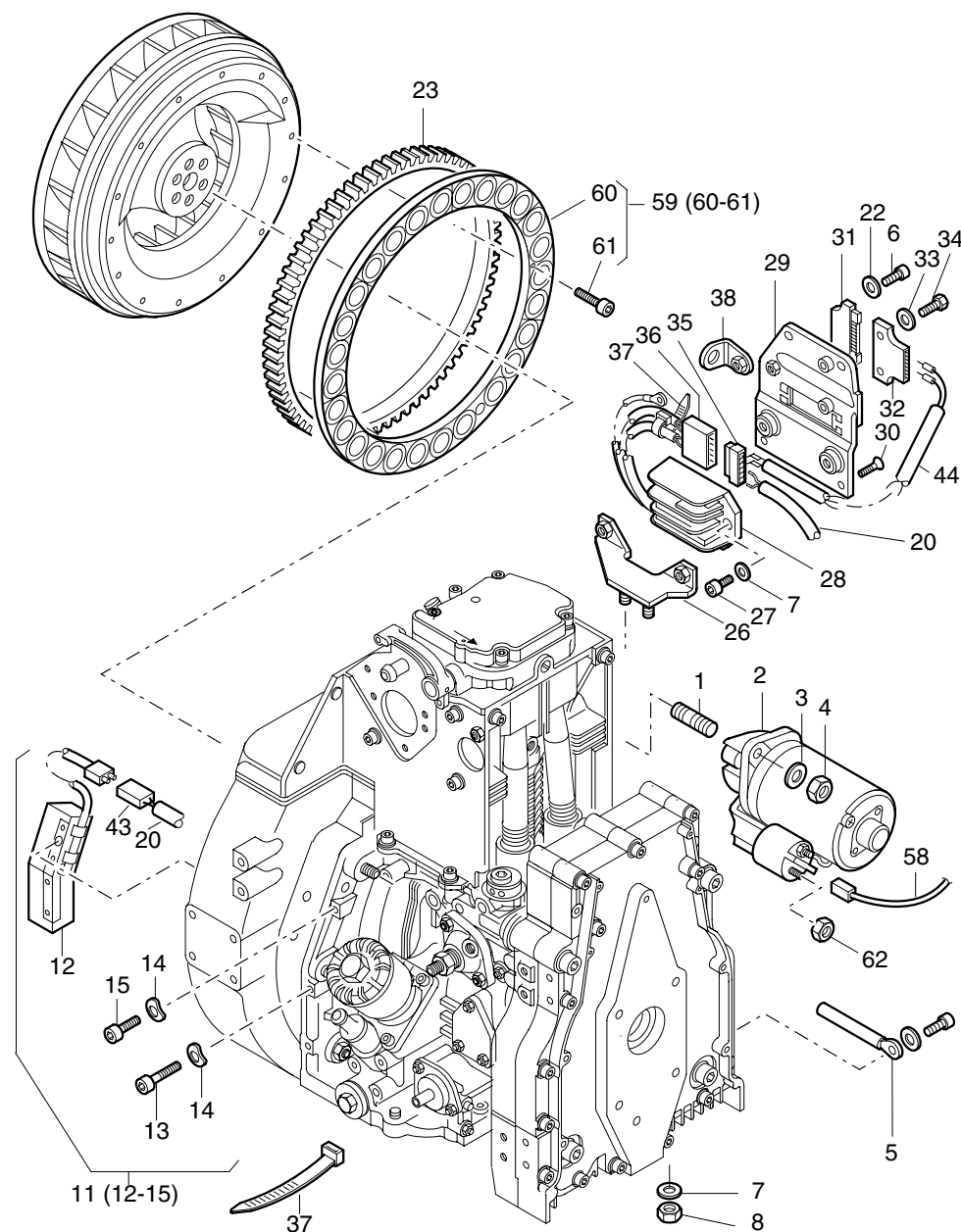


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 504 864 00	2		M 12 x 50Fo DIN 835-8.8 A3C
2	0000 504 959 01	1		12 V - 2,0 kW
3	0000 500 937 00	2		13 DIN 125-St A3C
4	0000 503 806 00	2		M12 DIN 970-8 A3C
5	0000 050 012 00	4		
6	0000 501 491 00	1		M 6 x 12 DIN 912-8.8A3C
7	0000 502 085 00	4		8 DIN 128 A3C
8	0000 501 480 00	2		M 8 DIN 934-8 A3C
11	0000 015 924 00	1		12 V
12	-----	-		
13	0000 504 488 00	1		M 6 X 40 DIN 6912-8.8 A3C
14	0000 503 907 01	2		6 DIN 6796 - 6 - FST ZN
15	0000 504 487 00	1		M 6 x 30 DIN 6912-8.8 A3C
20	0000 014 628 00	1		
22	0000 501 709 00	1		6 DIN 128 - A3C
23	0000 040 212 10	1		
26	0000 014 403 03	1		
27	0000 501 830 00	2		M 8 X 35 DIN 912-8.8 A3C
28	0000 019 838 00	1		12 V
29	0000 014 401 00	1		
30	0000 504 225 01	2		M 6 x 12 DIN 7991 - 8.8 A3C
31	0000 503 737 00	1		
32	0000 503 736 00	1		
33	0000 502 163 00	2		5,3 DIN 125-St A3C
34	0000 503 357 00	2		M 5 x 25 DIN 933-8.8 A3C
35	0000 504 021 00	1		4-P.
36	0000 504 020 00	1		
37	0000 503 584 00	4		4,8 x 200 mm Black
38	0000 014 402 00	1		
43	0000 503 797 00	1		
44	0000 014 394 00	1		
58	0000 011 934 01	1		Starter 50
59	0000 015 873 00	1		Magnetring kpl.
60	-----	-		
61	0000 504 469 00	14		M 4 X 16 DIN 912-8.8 A3C TUF
62	0000 503 447 00	1		M 8 DIN 936 - 5 A3C

Z05b, Z11

Instrument box - Powerbox
 Armaturenkasten - Powerbox
 Boîtier de bord - Powerbox
 Cuadro de mando - Powerbox
 Cruscotto - Powerbox

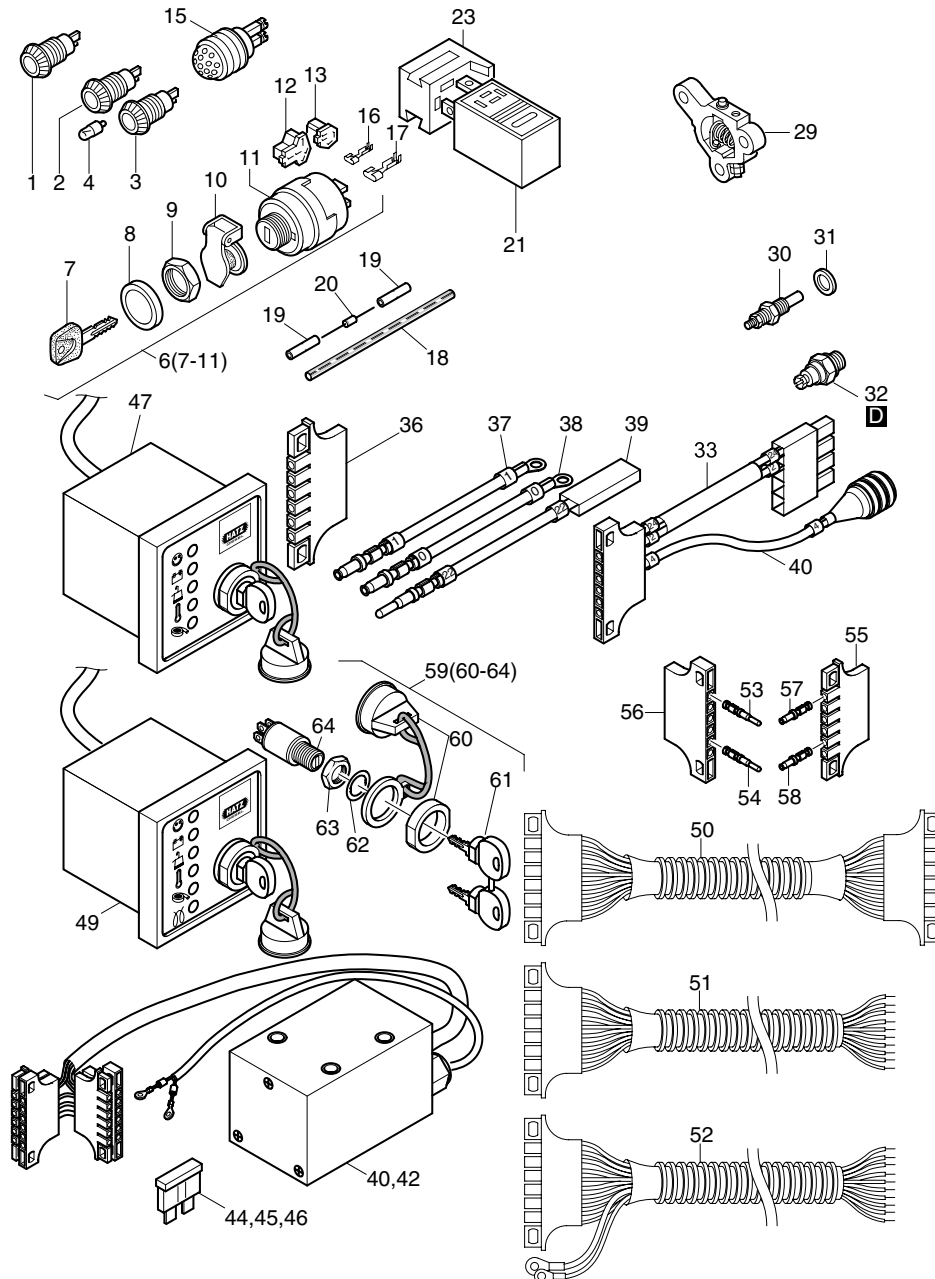


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 501 765 00	1		BATT.
2	0000 501 764 00	1		TEMP.
3	0000 501 766 00	1		OIL
4	0000 400 097 00	0... 3		12 V - 2 W
6	0000 502 765 02	1		
7	0000 503 453 00	1		14603
8	-----	-		
9	-----	-		
10	0000 490 509 00	1		
11	-----	-		
12	0000 502 767 00	1		6 - P
13	0000 502 766 00	1		4 - P
15	0000 503 972 00	1		12 - 24 V
16	0000 400 747 00	5		B 6,3 - 2,5 BZ
17	0000 502 768 00	4		9,5 - 6A
18	0000 036 700 00	2		4 x 120 mm
19	0000 501 892 00	4		
20	0000 503 444 00	2		1 N 4007
21	0000 502 758 02	0... 1		12 V HATZ MSR
23	0000 502 760 00	1		
29	0000 012 755 00	1		12 - 24 V
30	0000 502 686 00	1		TEMP. 12-24V
31	0000 051 624 00	1		10,4 x 14 x 4
32	0000 502 722 01	1		12 - 24V Oil
33	0000 014 036 20	1		
36	0000 503 737 00	1		
37	0000 015 743 00	1		(1)
38	0000 015 744 02	1		(0) 450mm
39	0000 015 268 00	1		(22) 360mm
40	0000 011 932 11	1		(4)
40	0000 015 893 00	1		12 V Powerbox II
42	0000 015 910 00	1		12 V Powerbox III
44	0000 504 304 00	0... 1		15 A
44	0000 504 593 00	0... 1		10 A
45	0000 504 307 00	0... 1		30 A
46	0000 504 330 00	1... 2		40 A
47	0000 015 518 03	1		12 V, A 1
49	0000 015 589 04	1		12 V / 24 V, Aut.
50	0000 016 112 00	1		K 1 - 2 m
51	0000 015 498 01	1		K 2 - 2 m
52	0000 011 927 10	1		K 3 - 2 m
53	0000 503 743 00	1		2,5 - 4,0
54	0000 503 741 00	5		0,5 - 1,0
55	0000 503 737 00	1		
56	0000 503 736 00	1		
57	0000 503 738 00	5		0,5 - 1,0
58	0000 503 739 00	1		1,5 - 2,5
59	0000 505 995 00	1		
60	0000 506 009 00	1		

Z05b, Z11

Instrument box - Powerbox
Armaturenkasten - Powerbox
Boîtier de bord - Powerbox
Cuadro de mando - Powerbox
Cruscotto - Powerbox

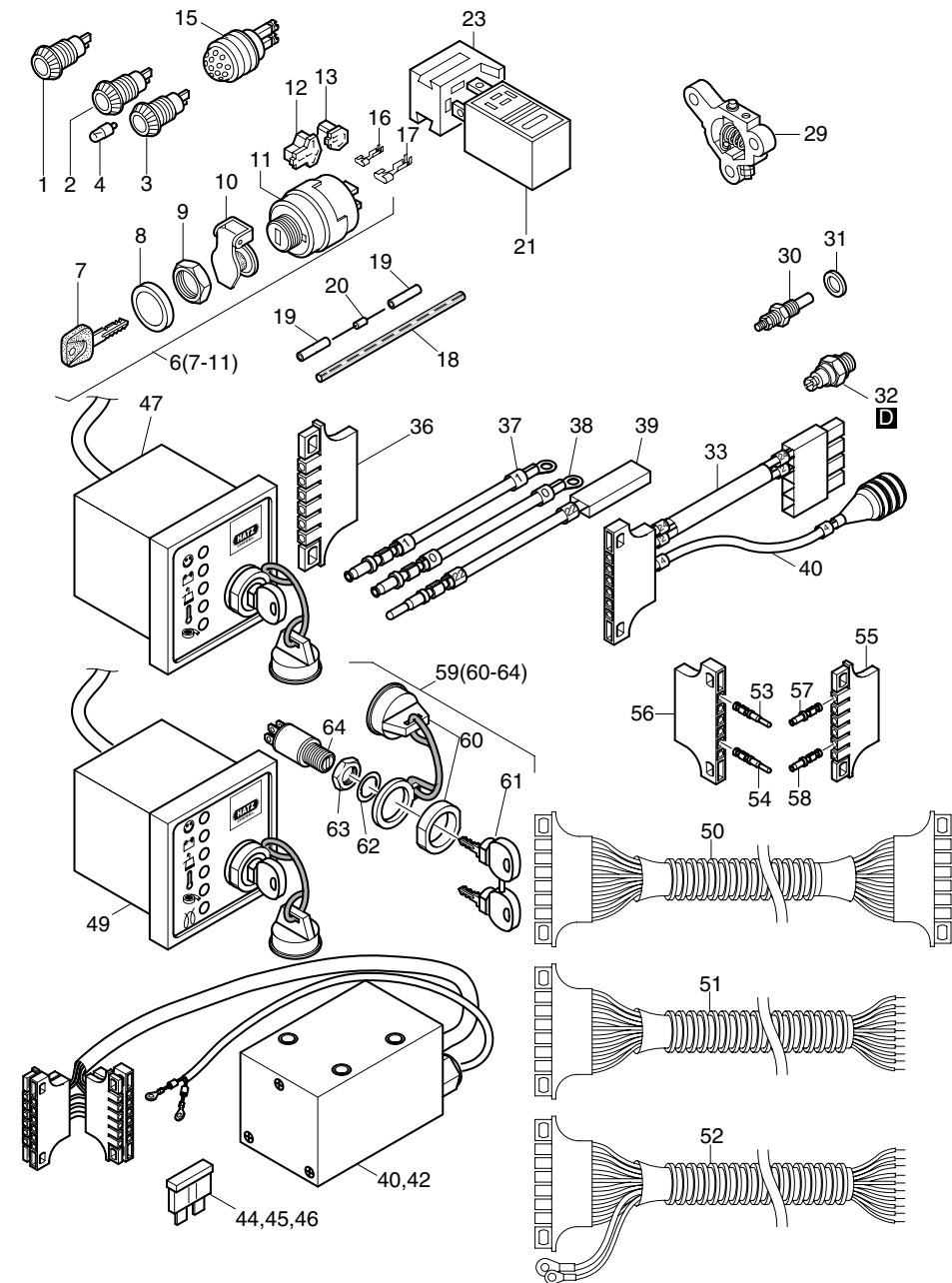


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
61	0000 506 008 00	1		Nr. 607
62	-----	-		
63	-----	-		
64	-----	-		

Engine brackets
Motorfüße
Pieds moteur
Soportes del motor
Staffe supporto motore

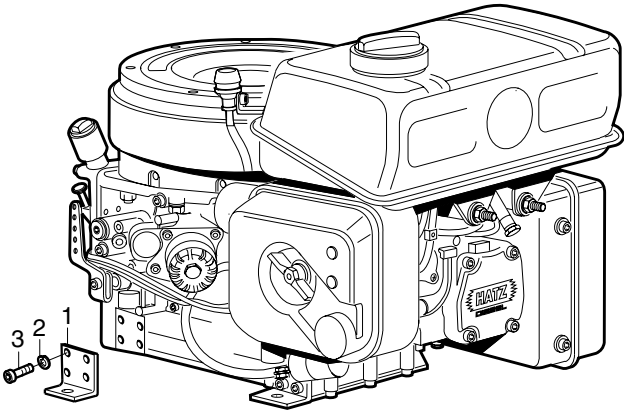


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 041 422 00	4		
2	0000 502 085 00	16		8 DIN 128 A3C
3	0000 501 144 00	16		M 8 X 25 DIN 6912-8.8 A3C

Z09, Z11

Stop device, lifting magnet
Abstellvorrichtung, Hubmagnet
Dispositif d'arrêt, Electro aimant
Dispos. desconnect., elevador magn.
Leva stopi, magnete stop

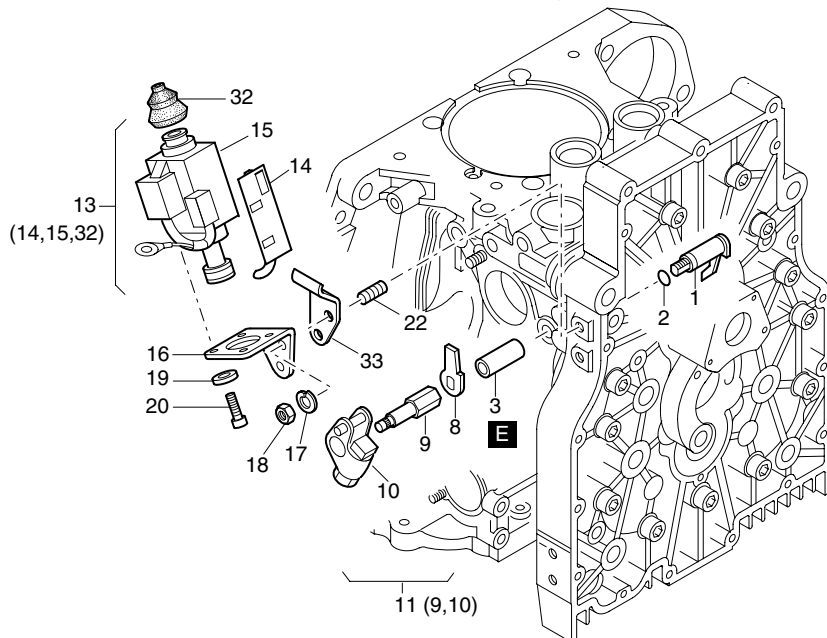
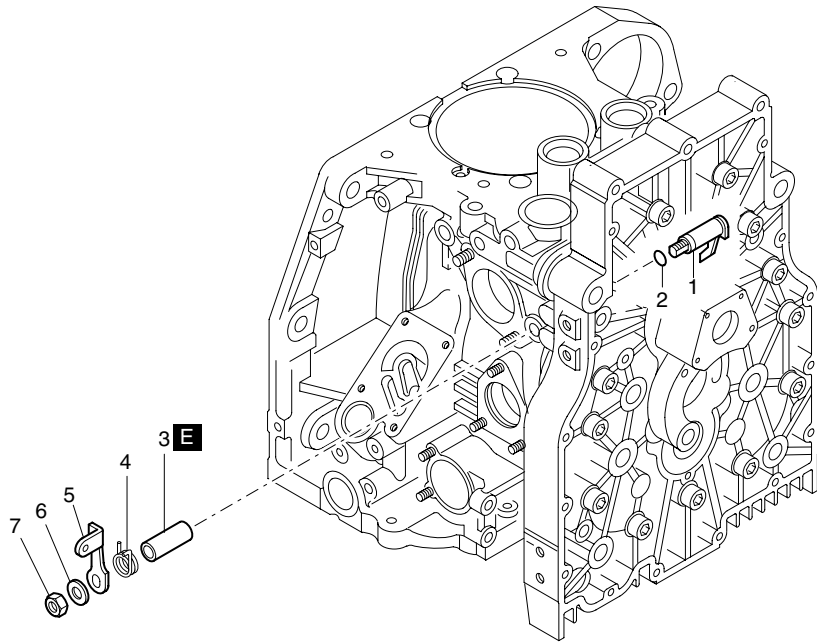


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 012 546 04	1		
2	0000 503 433 00	1		4,6 x 1,85
3	0000 040 214 00	1		
4	0000 040 218 00	1		
5	0000 040 217 00	1		
6	0000 501 445 00	1		6,4 DIN 125-St A3C
7	0000 503 283 00	1		VM 6 DIN 980-8 A3C
8	0000 052 092 00	1		
9	-----	-		
10	0000 014 931 11	1		
11	0000 015 153 00	1		
13	0000 015 155 00	1		12 V
14	0000 050 584 00	1		
15	-----	-		
16	0000 050 235 01	1		
17	0000 501 709 00	2		6 DIN 128 - A3C
18	0000 501 444 00	2		M 6 DIN 934 - 8 A3C
19	0000 502 163 00	3		5,3 DIN 125-St A3C
20	0000 501 126 00	4		M 5 X 10 DIN 6912-8.8 A3C
22	0000 503 668 00	2		M 6 x 12 DIN 835-8.8 A3C
32	0000 502 489 00	1		
33	0000 052 057 01	1		

Autom. shut-off device
Abschaltautomatik mech.
Arret. Autom. moteur
Parada autom. motor
Arresto automatico motore

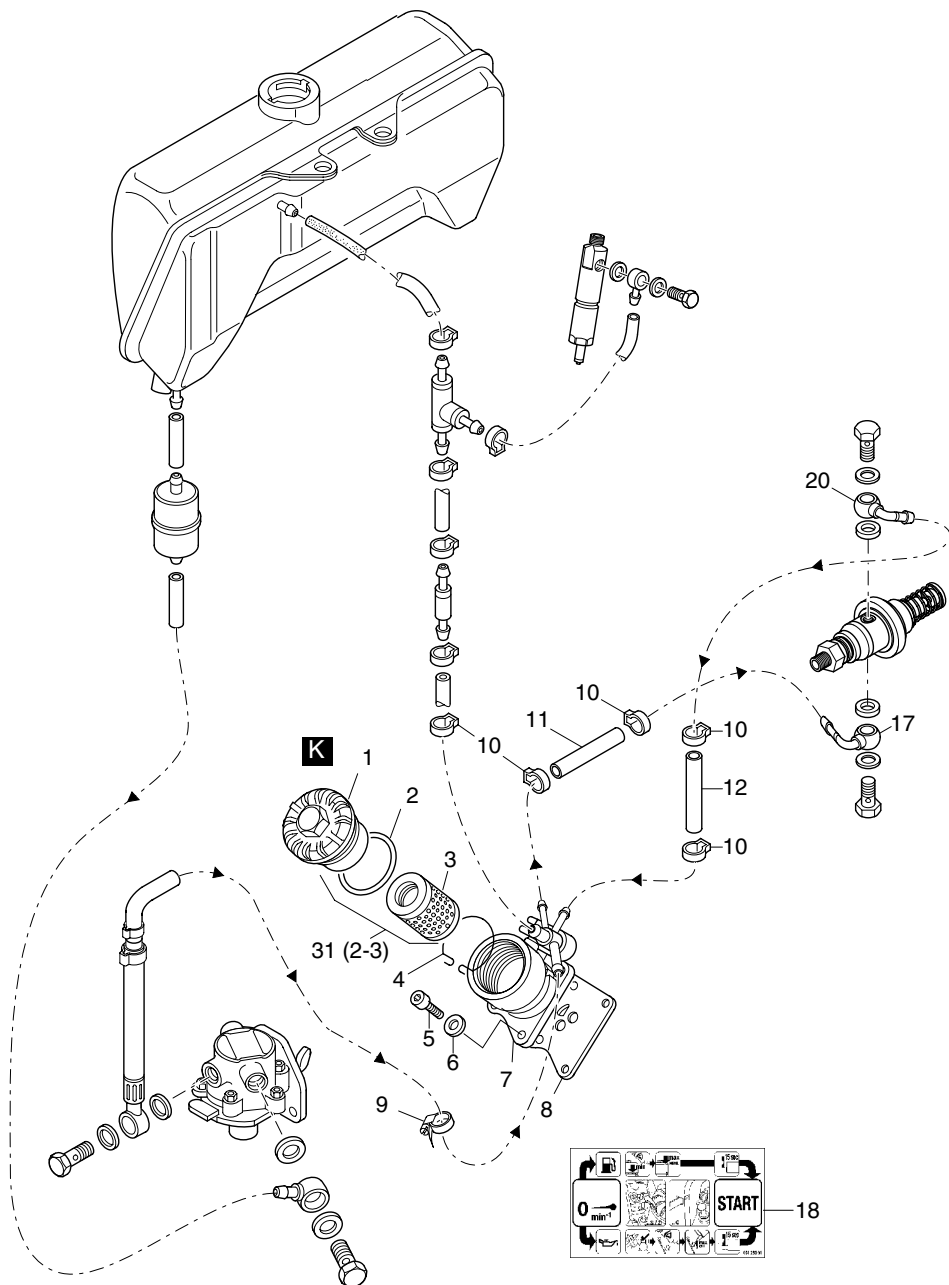
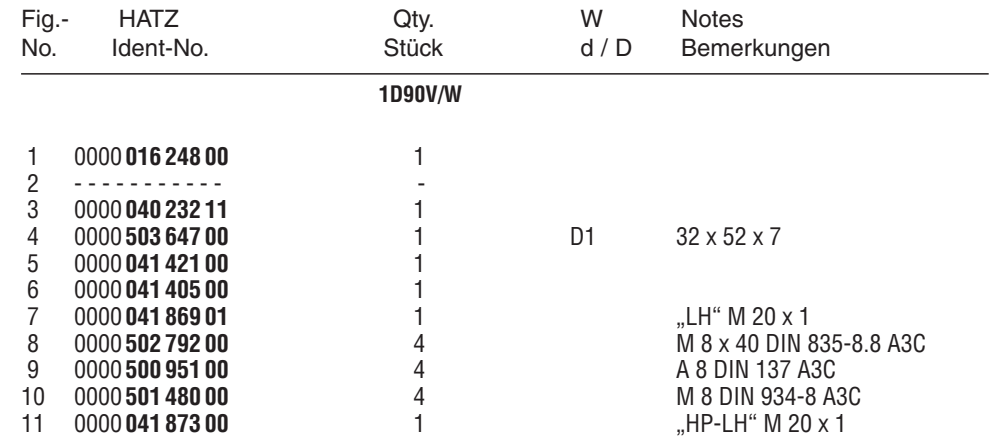


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 012 489 01	1		
2	0000 503 292 00	1		50 x 55 x 3
3	-----	-		
4	0000 040 840 01	1		
5	0000 501 706 00	4		M 6 x 20 DIN 912-8.8A3C
6	0000 500 812 00	4		A 6 DIN 137 - A3C
7	0000 014 528 21	1		
8	0000 050 689 00	1		
9	0000 503 572 00	1		Ø 7 - 11
10	0000 505 709 00	5		Ø 12,8
11	0000 053 640 00	1		6 x 12 x 200
12	0000 053 979 00	1		6 x 110
17	0000 053 056 00	1		
18	0000 051 268 02	1		
20	0000 052 997 01	1		
31	0000 014 800 01	1		

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



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

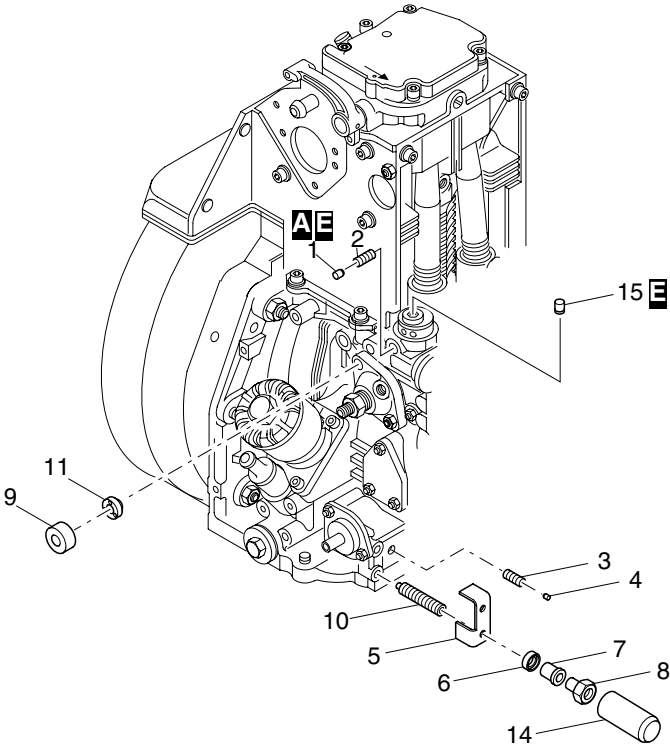


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90V/W				
1	0000 041 670 10	1		6,9
2	0000 500 046 00	1		M 8 X 16 DIN 916-45H A3C
3	0000 504 035 00	1		M 8 X 20 DIN 914TUF360G
4	0000 041 537 00	1		4,15
5	0000 041 538 00	1		
6	0000 041 342 00	1		
7	0000 041 297 00	1		
8	0000 041 267 00	1		M6
9	0000 042 445 00	2		
10	0000 505 078 00	2		M 6 x 45
11	0000 042 392 00	2		
14	0000 041 877 00	1		
15	0000 042 059 01	1		



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66				
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F	France	14123 IFS	BOUVET SARL	+33 2 - 31 52 01 47
F	France	19100 Brive	Saint-Germain Rectif & Pradeau Moteurs	+33 - 5 - 55 86 91 91
F	France	19100 BRIVE LA GAILLARDE	SGR MAINTENANCE	+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	DEPANN'TP	+33 3 - 81 87 61 10
F	France	27002 EVREUX Cedex	DEMOLIN	+33 2 - 32 39 07 22
F	France	31300 TOULOUSE	MIDI-DIESEL	+33 - 5 - 61 42 80 11
F	France	31300 TOULOUSE	MIDI-DIESEL	+33 5 - 61 42 80 11
F	France	33704 MERIGNAC	LAPORTE	+33 - 5 - 56 34 20 26
F	France	33704 MERIGNAC	LAPORTE	+33 5 - 56 34 20 26
F	France	34671 BAILLARGUES Cedex 01	L.M.S. (Languedoc Matériel Service)	+33 4 - 67 91 29 39
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F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	+33 2 - 47 28 94 94
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	02-47-28-94-94

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GB	Great Britain	NE4 7AX Newcastle	John Nixon Ltd.	+44 - 191 - 2 26 06 66
GB	Great Britain	NN11 8QJ Northants	Bryco Group Ltd.	+44 - 1327 - 87 61 66
GB	Great Britain	PL12 6LX Cornwall	AB Services Ltd.	+44 - 1752 - 84 88 20
GB	Great Britain	PO13 0FJ Hampshire	Meetens Industrial Engines	+44 845 6340297
GB	Great Britain	PR4 0JA Lancashire	Meetens Industrial Engines	01772 691604
GB	Great Britain	RH19 2HU West Sussex	Hydraulic Plant Services Ltd.	+44 1343 327300
GB	Great Britain	SN8 2RN Wiltshire	T.H. White	+44 - 1672 - 51 23 28
GB	Great Britain	ST4 3NX Stoke on Trent	Seddons Plant Ltd.	+44 - 1782 - 59 34 44
GB	Great Britain	TN24 8DH Kent	Lister Wilder Ltd	+44 (0)1233 619290
GB	Great Britain	TO14 9AE Devon	Sleeman & Hawken Ltd.	+44 1626 778266
GB	Great Britain	TS18 2PF Stockton	John Nixon Ltd.	+44 - 1642 - 67 26 94
GCA	Guatemala	Guatemala, Ciudad	Técnico Mercantil S.A.	+ 502 - 2331 4193
GH	Ghana	Accra - North	Agria Machinery	+233 302 222 169
GN	Guinea	Conakry	IDRISSA DIOP	+224 30 47 80 80
GR	Greece	11853 Athens	MAVROGIANNAKIS S.A	+30 210 3461762
GUA	Guadeloupe	97176 Abymes Cedex	Assistance 97 Guadeloupe	+590 - 590 47 09 90
GUY	Guyana	94099 Ruhstorf	Motorenfabrik Hatz GMBH & CO. KG	+49 (0)8531 319 373
H	Hungary	1165 Budapest	Benaco	+36 - 1 - 4 07 37 34





HATZ service network

HK	Hong Kong	Xiamen	Motorenfabrik Hatz GmbH & Co. KG.	+86 - 592 - 520 45 -28/-38/-78
HN	Honduras	Tegucigalpa, D.C.	Corporación Comercial, S.A. de C.V.	+ 504 - 222 0576
HR	Croatia	10000 Zagreb Hrvatska	Diesel Motori d.o.o.	+385 - 1 - 3 46 35 18, 3 46 26 69
I	Italy	00133 Roma	Eros Antonelli S.N.C.	+39 - 06 - 72 65 02 60
I	Italy	04014 Borgo Vodice (LT)	Dorati Luciano	+39 - 0773 - 85 01 09
I	Italy	05100 Terni	Lamperini Services	+39 - 0744 - 30 62 10
I	Italy	06061 Castiglione del Lago	Della Giovampaola Danilo	+39 - 075 - 96 52 433
I	Italy	10138 Torino	Centro Ricambio	+39 - 011 - 4 55 11 81/ 4 55 12 11
I	Italy	12030 Faule (Cn)	Multidiesel di Barge Ilario	+39 - 338 - 7 19 94 09
I	Italy	14056 Boglietto di Costigliole d'Asti AT	Barbero Andrea	+39 - 0141 - 96 82 93
I	Italy	16100 Genova	Bruzzone Enzo	+39 - 010 - 3 73 93 96
I	Italy	20090 CESANO BOSCONI - MILANO (MI)	COMPAGNIA TECNICA MOTORI S.P.A.	
+39-02-45058255				
I	Italy	21040 Origgio (VA)	C.M.R. s.n.c. di Bianchi Roberto & C.	+39 - 02 - 96 73 20 62
I	Italy	22046 Erba CO	Miotto Luciano	+39 - 031 - 64 16 73
I	Italy	24050 Orio al Serio BG	Marconi & Caldara	+39 - 035 - 31 25 76 / 077 04 35
I	Italy	25021 Bagnolo Mella (Bs)	Officina Meccanica	+39 - 030 - 68 21 441
I	Italy	29017 Fiorenzuola d'Arda PC	Arduini Luigi di Arduini Armando	+39 - 0523 - 98 26 39
I	Italy	31057 Silea (Tv)	Trattoricambi sas	+39 - 0422 - 36 12 31
I	Italy	33010 Feletto Umberto Tavagnacco Ud.	Ezio Fiorin Eredi di Alberto Fiorin & C.	+39 - 0432 - 57 30 76
I	Italy	33078 San Vito al Tagliamento (PN)	Officina Venaruzzo Antonio	+39 - 0434 - 87 63 77
I	Italy	34015 Muggia TS	Volpi Tecno Energia SRL	+39 - 040 - 23 17 15
I	Italy	35030 Vo	Giuseppe Marcolongo	+39 - 049 - 9 94 06 76
I	Italy	36060 Romano d'ezzelino (VI)	Parolin Enzo	+39 - 0424 - 3 09 75
I	Italy	38010 S. Michele all'Adige TN	Campese S.N.C.	+39 - 0461 - 65 01 69
I	Italy	39100 Bolzano	Officina D'Ambrosio	+39 - 0471 - 20 42 00
I	Italy	40060 Trebbio Di Reno (BO)	Venturoli Lauro	+39 - 051 - 70 02 41
I	Italy	40132 BOLOGNA (BO)	MARCHESI LUCIANO DI	+39-051 403599
I	Italy	41030 BOMPORTO	HATZ ITALIA S.R.L. UNIPERSONALE	+39 - 059 - 25 41 29
I	Italy	41126 Modena (MO)	Centro Ricambi	+39 - 059 - 82 62 14
I	Italy	43100 Parma	Arduini Franco e Figlio S.N.C.	+39 - 0521 - 48 75 66
I	Italy	44043 Marzabotto BO	Lolli F.C.	+39 - 051 - 93 24 41
I	Italy	47023 Cesena (FO)	Domeniconi Egisto Romano & C. S.N.C.	+39 - 0547 - 32 55 13
I	Italy	50013 S.Donnino - Campi Bisenzio (FI)	Interdiesel S.r.l.	+39-055-7 32
74 43				
I	Italy	50053 Empoli (FI)	O.R.M.A. di Niccolai Dino e	+39 - 0571 - 8 03 04
I	Italy	60035 Jesi AN	Cercaci Officina Meccanica	+39 - 0731 - 20 50 46
I	Italy	66020 S. Giovanni Teatino (CH)	CO. GAL. CO. S.R.L.	+39 - 085 - 44 600 55
I	Italy	70123 Bari	Moretauto S.R.L.	+39 - 080 - 50 585 60
I	Italy	71016 San Severo FG	Ianzano F. LLI Raffaele e Luigi	+39 - 0882 - 33 14 18
I	Italy	73020 Martignano (LE)	Coriano Tomasso Officina Meccanica	+39 - 0832 - 80 10 08
I	Italy	74015 Martina Franca (TA)	CANNELLA DONATO	+39 380 3635452
I	Italy	80026 Casoria (NA)	MOVIMAC S.R.L.	+39 - 081 - 7 59 42 76, 7 59 08 00
I	Italy	84069 Roccadaspide (SA)	Sforza Marcello	+ 39 - 0828 - 94 18 34
I	Italy	85043 Latronico PZ	Falabella Egidio	+39 - 0973 - 85 81 41
I	Italy	88074 Crotone	R.A.I.M. S.A.S.	+39 - 0962 - 2 28 69

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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		94099 Ruhstorf	Motorenfabrik Hatz GmbH & Co.KG	+49 8531 319 306
IR	Iran	Eheran	Mr. B. Amyari	+98 - 9123152982
IRL	Ireland	BT36 4BX Mallusk	T.B.F. Thompson	+44 - 2890 - 84 83 71
IRL	Ireland	BT51 5JZ Coleraine	T.B.F. Thompson	+44 - 28 - 29 55 83 53
IRL	Ireland	Dublin 22	D.E. Power Solutions	+353 4018844
IS	Iceland	110 Reykjavik	Taekjasalan ehf.	+35-4-5672520
J	Japan	103-0023 Tokyo	Tominaga & Co., Ltd	+81 - 3 - 36 39 - 53 11
JOR	Jordan	11118 Amman	Al Ghanem	+962 - 6 - 4 39 51 55
KAZ	Kazakhstan	007018 Ust-Kamenogorsk	EngineService	
KAZ	Kazakhstan	010000 Astana	EngineService	+7(7172) 73 80 73
KAZ	Kazakhstan	050052 Almaty	Engine Service	+7 - 727 - 3 41 01 10
KAZ	Kazakhstan	050062 Almati	EngineService	+7 (727) 321-83-31
KH		768441 SINGAPORE	Please contact	
KSA	Saudi Arabia	21462 Jeddah	Electrical Work & Maintenance	+966 - 2 - 6 91 66 55
KWT	Kuwait	Kuwait	Sabah International	+965 - 4 81 82 43
LT	Lithuania	52367 Kaunas	PLLC MASTERMANN	+370 - 37 - 45 31 55
LU		3090 OVERIJSE	BIA NV/SA	+32(0)2 689 28 11
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	53186-1153 WAUKESHA	HATZ DIESEL OF AMERICA INC.	+1 262 544 0254
MEX	Mexico	C.P. 66477 San Nicolás de los Garza	Magro, S.A. DE CV.	011 52 81 31 20 00
MEX	Mexico	Chihuahua, MX	Magro, S.A. DE CV.	011 52 14 14 23 97
MEX	Mexico	Durango, MX	Magro, S.A. DE CV.	011 52 18 14 59 99
MEX	Mexico	Gómez Palacio	Magro, S.A. DE CV.	011 52 17 15 90 32
MEX	Mexico	Monclova	Magro, S.A. DE CV.	011 52 86 33 29 80
MEX	Mexico	Saltillo	Magro, S.A. DE CV.	011 52 84 32 27 75
MEX	Mexico	Tampico	Magro, S.A. de C.V.	011 52 12 27 49 90
MM		11041 Yangon	SINGTECH GLOBAL ENGINEERING & TRADING CO., LTD	+95 954 14
873				
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	5962 Bjordal	Østerbø Maskin AS	+47 - 48161718
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



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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	4100-801 Porto Codex	Pinto & Cruz - Motores e Equipamentos S.A.	+351/707 225 500
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 Zeliztrowo	E.M.A. Hochschultz 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
PRY		FERNANDO DE LA MORA	BALLASCH INTERNACIONAL SACI	+595 21 674 031/2
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
RB	Botswana	Gaborone	Franklin Electric	+00 267 397 4926
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	50141 Semarang	PT URIP GUMULYA	+62 024 762 1195
RIM	Mauritania	Nouakchott	SODEQ S.A.	+222 - 5 25 47 30
RL	Lebanon	1102-2070 Beirut	Nagib Baki & Sons	+961 - 1 - 36 52 62
RM	Madagascar	Tananarive	Société Ameca	+261 - 20 - 2 22 30 16
RMM	Mali	Bamako	Dupé S.A.	+223 - 20 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	414040 Astrakhan	AstraDieselService	+7 (8512) 31-75-35, 31-75-45
RUS	Russia	600026 Vladimir	EuroDiesel-Rus Ltd.	(4922) 37-60-45
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	23841 Oxie	Limhamns Industriservice AB	+46 - 040 306102
S	Sweden	393 65 Kalmar	Maskinteknik i Kalmar AB	+46 0480 478850

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S	Sweden	417 55 Göteborg	Blombergs Diesel & Motor AB	+46 031 221220
S	Sweden	574 35 Vetlanda	Högländets Maskin Skog Entreprenad AB	+46 0383 763034
S	Sweden	59017 Mantorp	Allservice Mantorp	+46 - 070 5954300
S	Sweden	623 77 Klintehamn	Cedergrens Mek. Verkstad AB	+46 0498 241720
S	Sweden	77497 Fors	Tekzone AB	+46 070 6282277
S	Sweden	782 75 Malungsfors	Reijo maskinservice AB	+46 0280 40328
S	Sweden	836 94 As	Nordisk teknik AB	+46 070 3105070
S	Sweden	863 33 Sundsbruk	Matfors Truck service AB	+46 070 5702524
S	Sweden	922 31 Vindeln	Vindelns maskinservice AB	+46 070 6077812
S	Sweden	931 70 Skelleftea	Skelleftea EI & Diesel AB	+46 0910 711111
S	Sweden	942 36 Älvsbyn	All Mecanservice AB	+46 0929 57012
S	Sweden	98138 Kiruna	Wist Last & Buss Ab	+46 - 980/398400
S	Sweden	98238 Gällivare	Holmgrens Truck & Motor AB	+46 - 970 - 74540
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 - 33 864 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	768441 Singapore	Please contact our agent in Singapore	+65 - 67 59 22 96
TN	Tunesia	1001 Tunis	S.I.A Ben Djemaa & Cie	+216 - 71 24 25 66
TN	Tunesia	3000 Slax	S.I.A Ben Djemaa & Cie	+216 - 74 40 84 09
TR	Turkey	34852 Maltepe Istanbul Turkey	Efes Makina Sanayi ve 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 53186-1153 Waukesha	HATZ Diesel of America, Inc.	+1 - 262-544-0254
UZB	Uzbekistan	100011 Tashkent	Kartash Profservice	+998 - 7 11 203090
VN	Vietnam	Di An, Binh Duong	DZI AN MANUFACTURING PLC	+84 90 877 8466
WAL	Sierra Leone	Freetown	cerro automotive	+232 - 77 - 23 21 72
WAN	Nigeria	- Lagos	A1 Multi Services Limited	+234 803 7 123 006
YAR	Rep. of Yemen	Sana'a	Al Mahfadi Sons Company Ltd.	+967 1 22 25 29
YV	Venezuela	Caracas	Maquinarias Lamaq, C.A.	+58- 212 - 9 44 16 31 / 9 44 56 29
ZA	South Africa	1609 Edenvale	Hatz Diesel (S.A.) Pty. Ltd.	+27 - 11 - 5 74 09 00
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	East London	Construction Equipment Supplies	+27 (0)43 748 4077
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.

1D90 V/W.10	1D90 V/W.11	00.603
1D90 V/W.11	1D90 V/W.12	00.599
1D90 V/W.12	1D90 V/W.13	00.600
1D90 V/W.13	1D90 V/W.14	02.618
1D90 V/W.14	1D90 V/W.15	05.647
1D90 V/W.15	1D90 V/W.16	10.670
1D90 V/W.16	1D90 V/W.17	13.712