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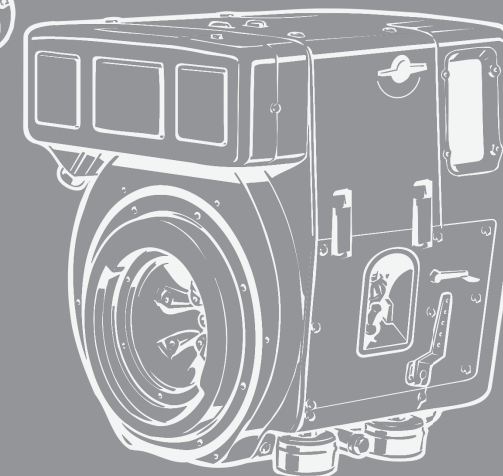
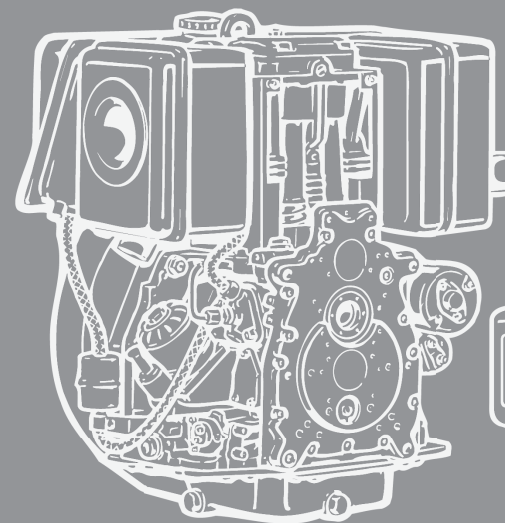
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CREATING POWER SOLUTIONS.



1D41. | 1D42. | 1D50. | 1D81. | 1D90.

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

Hatz Service

0000 434 200 43
34 - 01.2018 - 5

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
min ³ /h	
TYPE / SPEC. / FDT	
①	
SERIAL NO.	Liter / PV
②	
MIN ⁻¹	NH / kW
③	BUILD DATE
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	

Spare parts list no./ Ersatzteilliste Nr./ Liste des pièces de rechange no./ Lista de repuestos No./ Lista ricambi n.			
1 D 41.22	☐ (094 22)	1 D 81.27	☐ (073 27)
1 D 42.11	☐ (133 11)	1 D 81.27 DOC 1500-1800	☐ (166 27)
1 D 42.10 DOC	☐ (172 10)	1 D 81.27 DOC 1850-3000	☐ (171 27)
1 D 42C.10 EPA TIER IV final	☐ (157 10)	1 D 81C.27 EPA TIER IV final	☐ (160 27)
1 D 50.20	☐ (109 20)	1 D 81.27 Min. load	☐ (316 27)
1 D 50.10 DOC	☐ (173 10)	1 D 90.20	☐ (108 20)
		1 D 90.20 DOC 1500-1800	☐ (167 20)
		1 D 90.20 DOC 1850-3000	☐ (169 20)

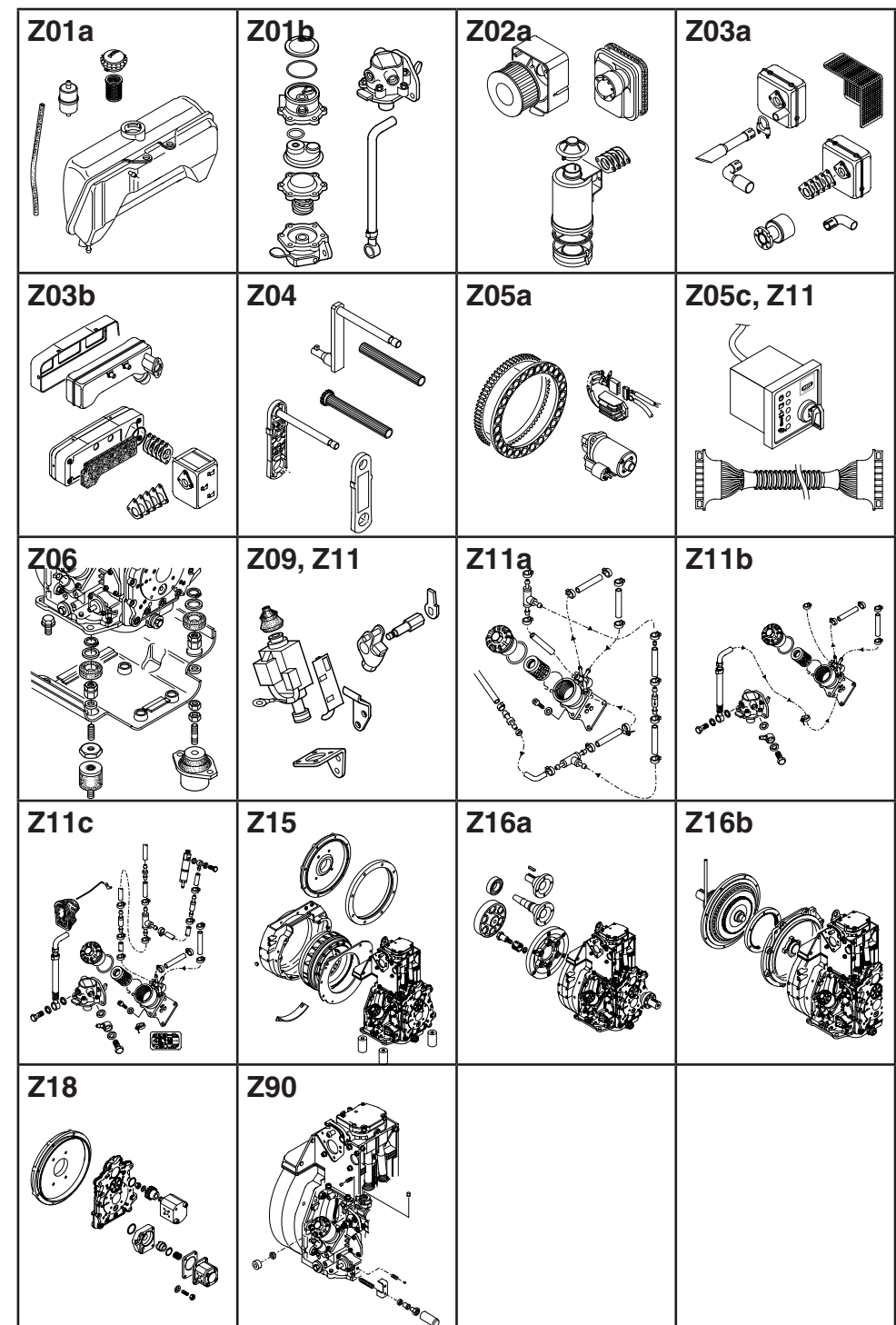
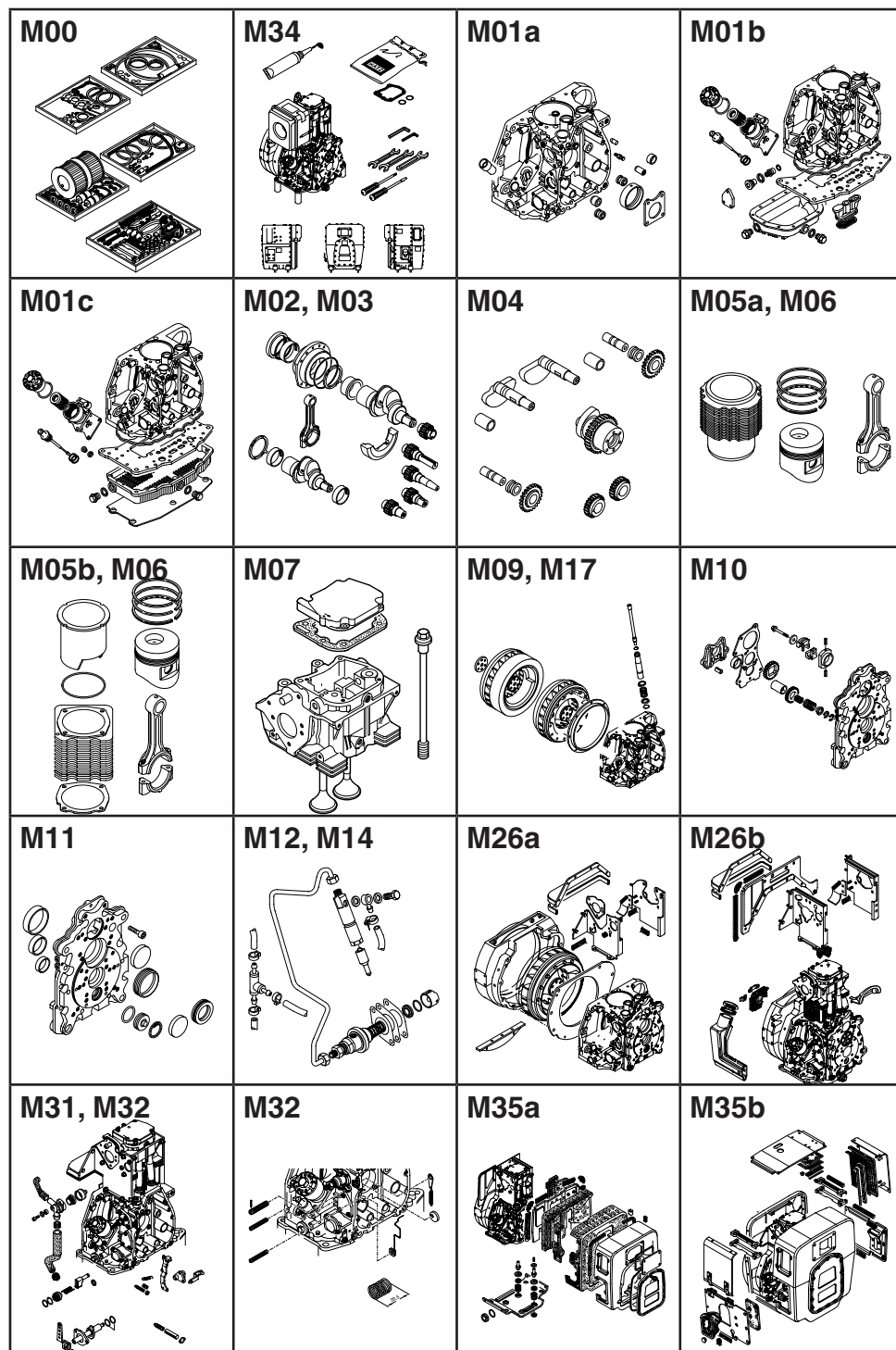
Example: / Beispiel: / Exemple: / Ejemplo: / Esempio: 133 11 18 123456

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

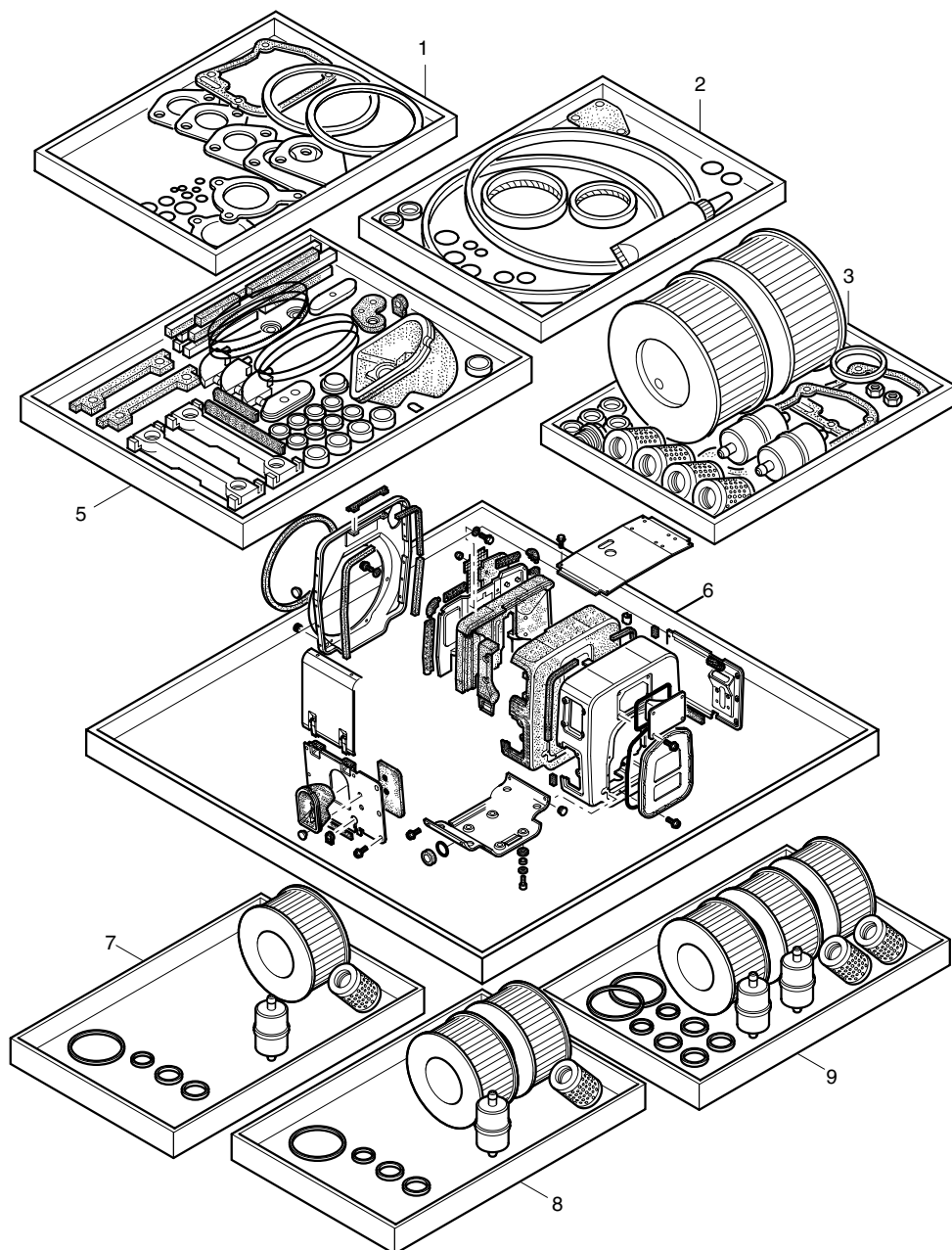


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
W:	Incl. in maintenance kit. Im Wartungssatz enthalten. Contenu dans le jeu d'entretien. Incluido en el juego de mantenimiento. Contenuto nella serie manutenzione.						D:	Incl. in gasket set crankcase. Im Dichtungssatz Kurbelgeh. Contenu dans le jeu de joints carter moteur. Incluido en el juego de juntas caja cigüeñal. Contenuto nella serie guarnizioni basamento.
d:	Incl. in gasket set f. 1 cyl. head. Im Dichtungssatz f. 1 Zyl.-Kopf enthalten. 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:Qty. per kit - Anzahl pro Satz Quantite p. jeu - Cantidad p. juego. Quantità per serie
1	0000 015 051 02	1	1	-	-	-		Gasket set for 1 cyl. head
1	0000 022 628 02	-	-	1	-	-		Dichtungssatz für 1 Zylinderkopf
1	0000 015 178 02	-	-	-	1	-		Jeu de joint p. 1 culasse
1	0000 015 928 01	-	-	-	-	1		Juego de juntas para 1 culata Serie guarnizioni per 1 testa
2	0000 012 798 03	1	1	1	-	-		Gasket set for crankcase
2	0000 012 493 22	-	-	-	1	1		Dichtungssatz für Kurbelgehäuse Jeu de joints p. carter moteur Juego de juntas para caja cigüeñal Serie guarnizioni basamento
3	0000 012 799 11	1	1	1	-	-		1000 hours maintenance kit
3	0000 012 494 11	-	-	-	1	1		Wartungssatz für 1000 h
3	0000 012 929 10	-	-	-	1	1		C" Kit d'entretien 1000 heures - Juego de piezas para servicio 1000 horas
5	0000 015 021 00	1	1	-	-	-		Rubber comp. set „C“
5	0000 014 879 01	-	-	-	1	1		Gummitellsatz Garniture caout. Guarnicion Goma.
6	0000 023 255 00	1	1	-	-	-		Capsule repair kit
6	0000 019 420 00	-	-	-	1	1		Kapselreparaturatz Lot rep. Capsule Lote rep. Cápsula Serie rip. Confanatura silen.
7	0000 022 652 00	1	1	1	-	-		Filter program
7	0000 022 653 00	-	-	-	1	1		Filterprogramm
8	0000 022 684 00	1	1	1	-	-		Progr. de filtr.
8	0000 022 685 00	-	-	-	1	1		Progr. de filtros
9	0000 022 695 00	1	1	1	-	-		Programma di filtro
9	0000 022 696 00	-	-	-	1	1		

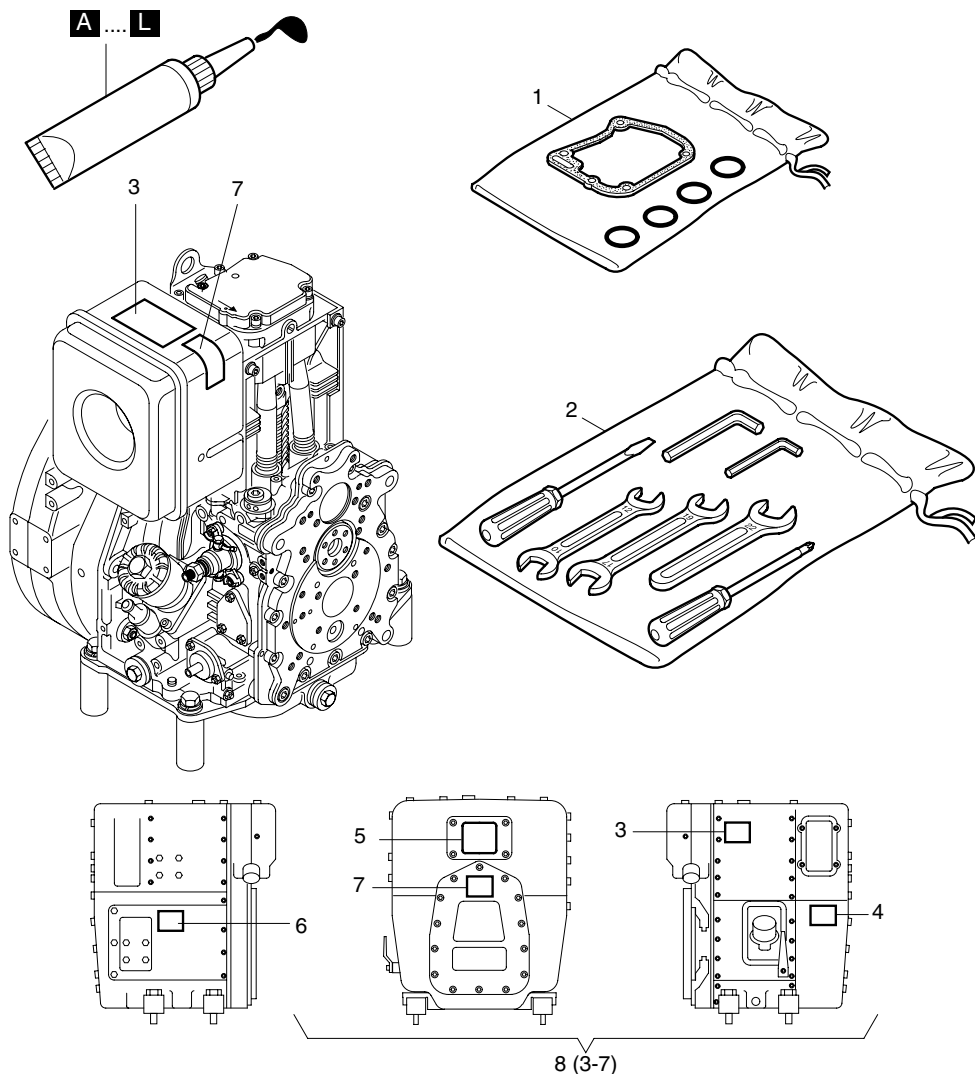


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1	0000 012 475 12	1		Zubehörsatz-Accessor. kit
2	0000 012 476 00	1		
3	0000 040 483 05	1		
3	0000 055 789 00	1		
4	0000 036 144 02	1		
5	0000 050 347 00	1		
6	0000 036 144 02	1		
7	0000 050 252 01	1		
8	0000 017 838 00	1		DOC
				„C“
				„C“
				„C“
				Handstart, demarr. man.

Sealing- and bonding adhesives		Materias para empaquetar y pegar	
Dicht- und Klebstoffe		Adesivi e collanti	
Etanchéifiant et Colle			
A = 0000 502 230 01	Loctite Activator N	500 ml	as specified in the individual tables
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	siehe Hinweis auf den einzelnen Bildtafeln
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	
H = 0000 700 189 44	Silicon	310 ml	según las indicaciones de las tablas correspondientes
J = 0000 502 830 04	Hochtemp. Paste	100 ml	
K = 0000 503 426 01	Hochtemp. Fett	400 g	
L = 0000 502 566 00	Silicon sealer	100 g	seguire le indicazioni sul quadro corrispondente
M = 0000 504 851 00	Schleifpaste	80 g	
N = 0000 700 218 15	Loctite 5910	300 ml	

M01a

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

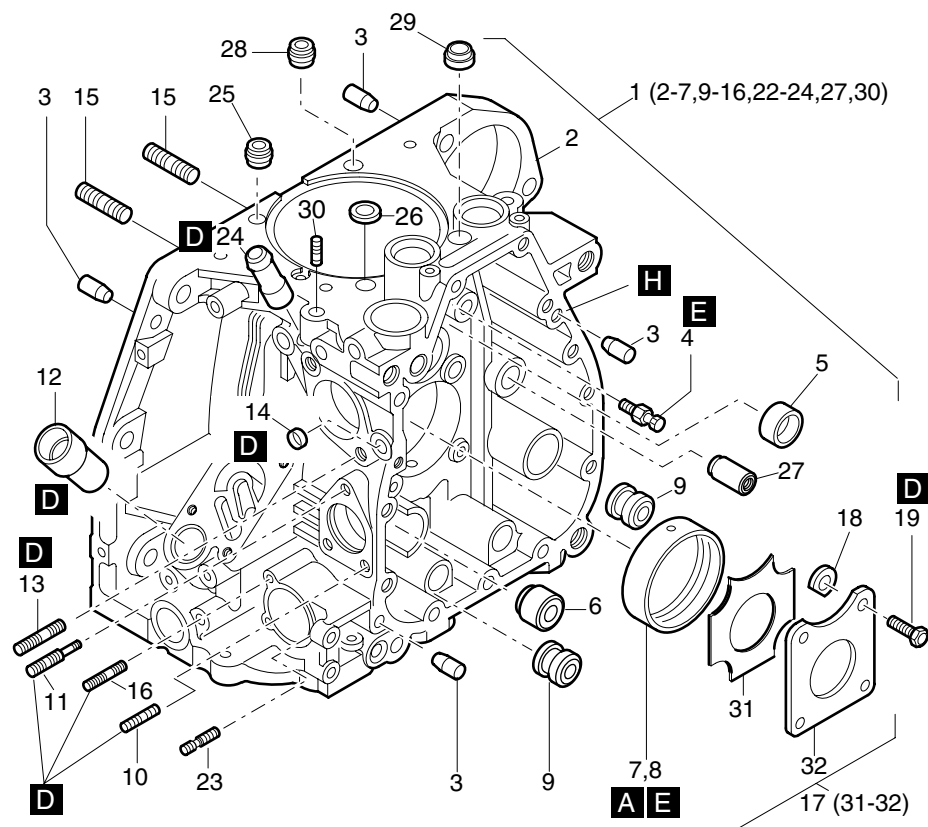


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 012 702 60	1	1	-	-	-		
1	0000 016 449 10	-	-	1	-	-		
1	0000 012 490 70	-	-	-	1	1		
2	-----	-	-	-	-	-		
3	0000 502 491 02	4	4	4	4	4		8 M6 X 20 2FASEN
4	0000 040 226 02	1	1	1	-	-		
4	0000 037 939 00	-	-	-	1	1		
5	0000 037 938 01	1	1	1	1	1		
6	0000 040 227 00	0...1	0...1	0...1	-	-		ø 25 mm „S“
6	0000 037 940 00	-	-	-	0...1	0...1		ø 22 mm „S“
7	0000 040 225 03	1	1	1	-	-		
7	0000 037 937 00	-	-	-	1	1		
8	0000 040 488 00	1	1	1	-	-		- 0,5 mm
8	0000 040 337 00	-	-	-	1	1		- 0,5 mm
9	0000 040 236 00	1...2	1...2	1...2	-	-		ø 25 mm s.Grp. Z01b Pos4
9	0000 040 008 00	-	-	-	1...2	1...2		ø 22 mm s.Grp. Z01b Pos4
10	0000 501 443 00	2	2	2	2	2		M 6 x 16 DIN 835 - 8.8 A3C
11	0000 037 945 10	1	1	1	1	1		
12	0000 037 948 00	1	1	1	1	1		
13	0000 506 012 00	2	2	2	2	2		M 8 x 25 DIN 835-10.9 A3B
14	0000 503 255 00	1	1	1	1	1		10 DIN 443-St A3C
15	0000 506 707 00	8	8	8	8	8		
15	0000 501 709 00	-	-	12	-	-		6 DIN 128 - A3C „C“
16	0000 503 282 00	2	2	2	2	2		M 6 x 22 DIN 835 - 8.8 A3C
17	0000 022 280 00	1	1	1	1	1		
18	0000 040 694 00	0...4	0...4	0...4	0...4	0...4		0,90 mm End play 0,10-0,25mm
18	0000 040 695 00	0...4	0...4	0...4	0...4	0...4		1,05 mm Axialspiel 0,10-0,25mm
18	0000 040 696 00	0...4	0...4	0...4	0...4	0...4		1,20 mm End play 0,10-0,25mm
19	0000 040 620 10	4	4	4	4	4		M 9 x28
23	0000 503 282 00	1	1	1	1	1		M 6 x 22 DIN 835 - 8.8 A3C
24	-----	-	-	-	-	-		
25	0000 504 584 01	2	2	-	-	-	d2	
26	0000 503 920 00	2	2	-	-	-	d2	
26	0000 042 192 00	-	-	0...2	-	-		14 x 10 x 2,5
26	0000 042 193 00	-	-	0...2	-	-		14 x 10 x 3,0
27	0000 041 050 00	1	1	1	1	1		ø 15 mm „S“
28	0000 504 598 02	-	-	-	2	2		
29	0000 040 845 00	-	-	-	2	2	d2	
30	0000 502 624 00	0...1	0...1	0...1	-	-		M 6 X 10 DIN 916TUF360G
31	-----	-	-	-	-	-		
32	-----	-	-	-	-	-		

M01b

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

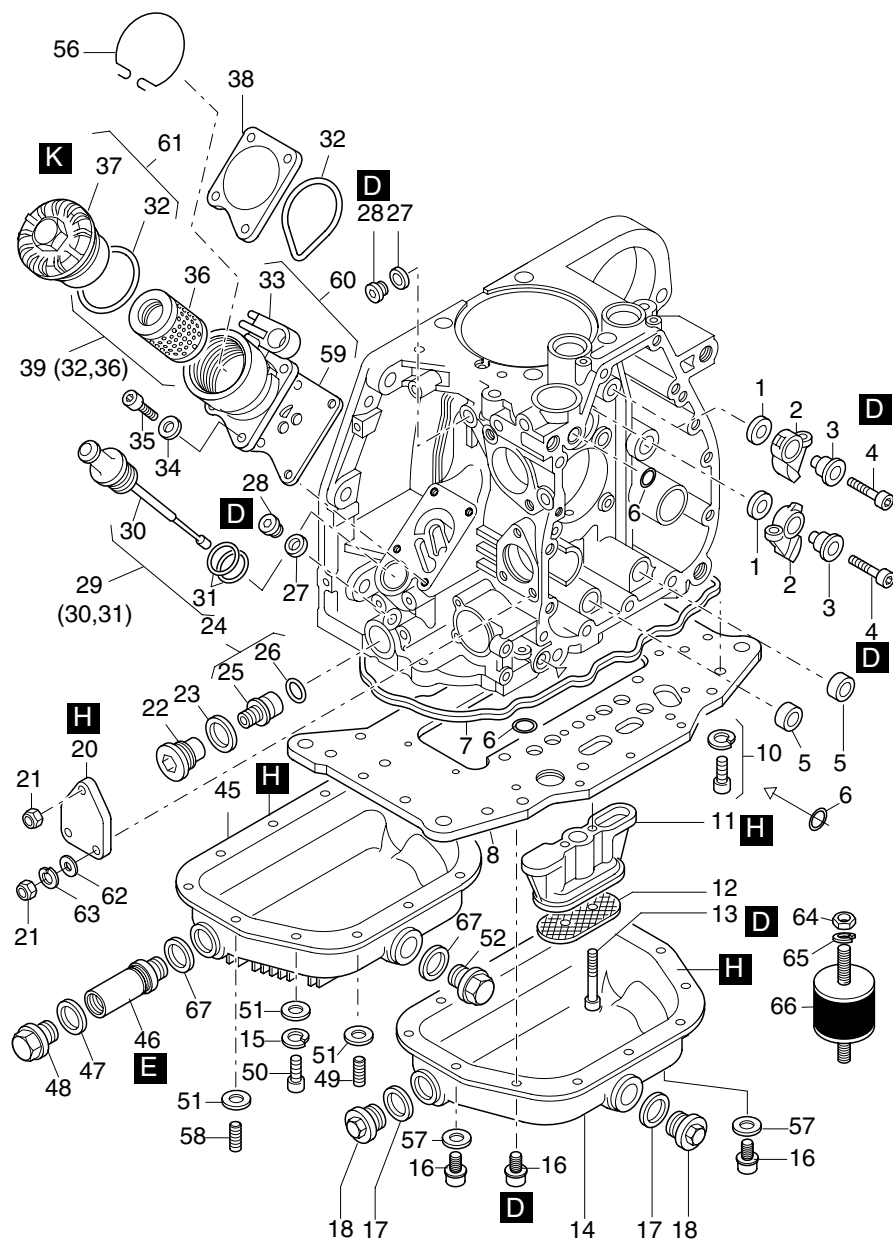


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41	1D42	1D81	1D90		
1	0000 037 941 00	2	2	2	2		10,1 x 22 x 3
2	0000 037 943 00	2	2	2	2		
3	0000 037 942 01	2	2	2	2		
4	0000 505 455 01	2	2	2	2		M 6 x 30 DIN 912-10.9 KL 360
5	0000 037 958 00	2	2	2	2	D2	12 x 18,3 x 7,3
6	0000 503 290 00	3	3	3	3	D3	9,5 x 2,5
7	0000 037 951 00	1	1	1	1	D1	265 x 269,4 x 3,6
8	0000 012 703 00	1	1	-	-		
8	0000 012 488 10	-	-	1	1		
10	0000 504 176 00	22	22	22	22		M 8 X 25 Z4 DIN 912-8.8 A3C
11	0000 040 233 00	1	1	-	-		
11	0000 037 949 00	-	-	1	1		
12	0000 037 950 00	1	1	1	1		
13	0000 500 511 00	2	2	-	-		M 6 x 30 DIN 6912-8.8
13	0000 503 271 00	-	-	2	2		M 6 X 50 DIN 6912-8.8 A3C
14	0000 012 554 10	1	1	-	-		
14	0000 012 417 00	-	-	1	1		„S, Z“
15	0000 501 709 00	12	12	12	12		6 DIN 128 - A3C „C“
16	0000 056 262 00	12	12	12	12		M 6X 8 8.8 A3K
17	0000 500 016 00	2	2	2	2	D2,W4	A 22 x 27 DIN 7603 Cu
18	0000 503 731 00	0... 2	0... 2	0... 2	0... 2		AM22x1,5DIN7604A3C MAGN.
18	0000 501 404 00	0... 2	0... 2	0... 2	0... 2		AM22x1,5DIN7604-5.8A3C „C“
20	0000 037 947 01	1	1	1	1		
21	0000 503 283 00	3	3	3	3		VM 6 DIN 980-8 A3C
22	0000 013 212 00	1	1	1	1		M 24 x 1,5
23	0000 502 864 00	1	1	1	1	D1	A 24 x 29 DIN 7603-Cu
24	0000 013 211 00	1	-	1	1		
24	0000 020 157 01	-	1	-	-		
25	-----	-	-	-	-		
26	0000 504 604 00	1	1	1	1	D1	18 x 2
27	0000 500 624 00	2	2	2	2	D2	A 10 x 13,5 DIN 7603-Cu
28	0000 500 623 00	2	2	2	2		M 10 x 1 DIN 908-5.8 A3C
29	0000 012 552 00	1	1	-	-		
29	0000 012 415 00	-	-	1	1		
30	-----	-	-	-	-		
31	0000 503 597 00	2	2	2	2	D2	20,29 x 2,62
32	0000 503 292 00	2	2	2	2	D2,W1	50 x 55 x 3
33	-----	-	-	-	-		
34	0000 500 812 00	4	4	4	4		A 6 DIN 137 - A3C
35	0000 501 706 00	4	4	4	4		M 6 x 20 DIN 912-8.8A3C
36	-----	-	-	-	-		
37	-----	-	-	-	-		
38	0000 040 334 01	1	1	1	1		
39	0000 014 800 01	1	1	1	1	W4	
45	0000 040 458 00	-	-	1	1		„C“
46	0000 035 505 00	1	1	-	-		116 mm „C“
46	0000 040 463 00	-	-	1	1		92 mm „C“
47	0000 500 014 00	1	1	1	1		A 18 x 22 DIN 7603 - Cu „C“
48	0000 500 442 00	1	1	1	1		M 18 x 1,5 DIN 910 „C“

M01b

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

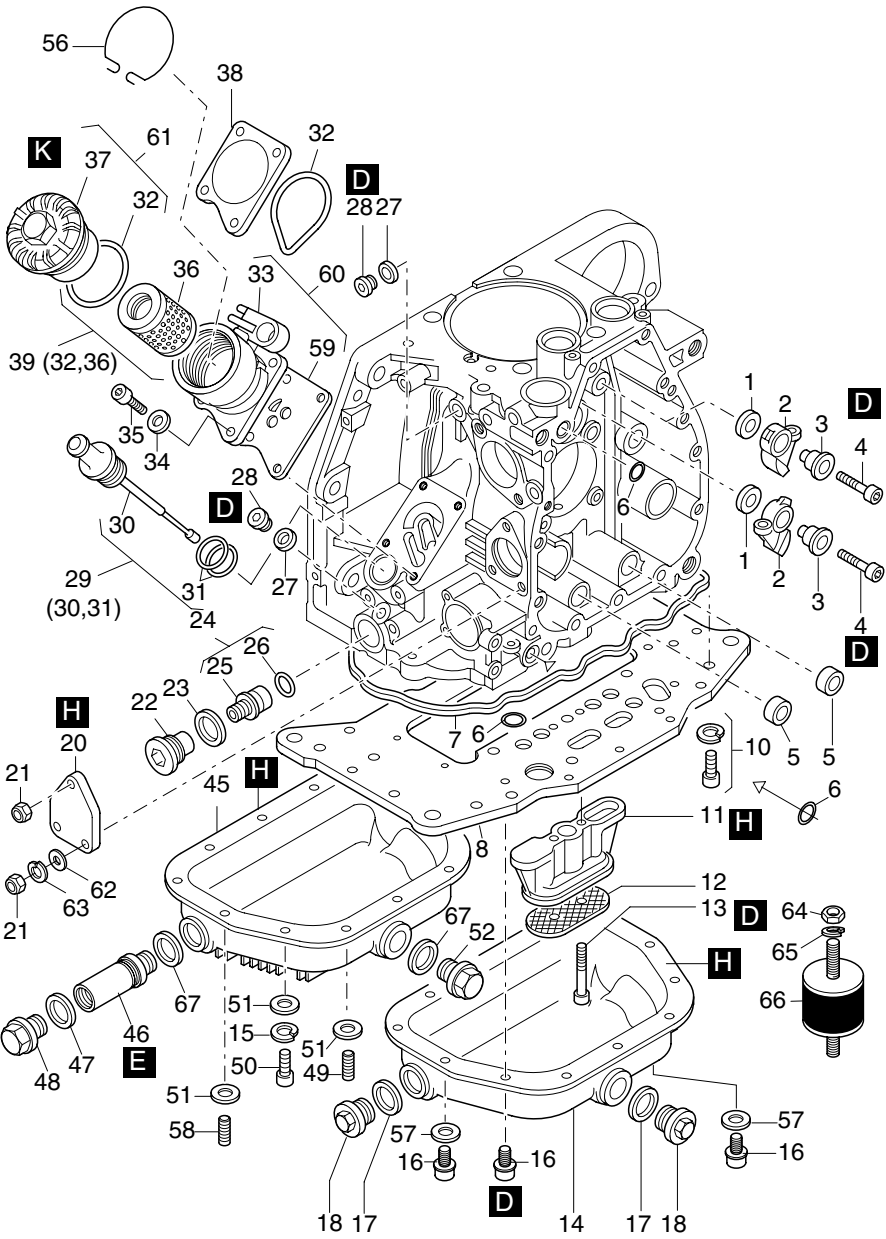


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41	1D42	1D81	1D90		
49	0000 504 343 00	4	4	2	2		M 6 x 20 DIN 939-8.8 „C“
50	0000 500 507 00	-	-	8	8		M 6 x 16 DIN 912-8.8 „C“
51	0000 501 445 00	-	-	12	12		6,4 DIN 125-St A3C „C“
52	0000 501 404 00	1	1	1	1		AM22x1,5DIN7604-5.8A3C „C“
56	0000 040 840 01	1	1	1	1		
57	0000 501 445 00	2	2	-	-		6,4 DIN 125-St A3C
58	0000 501 392 01	2	2	2	2		M6 x 16 DIN 939-8.8 A3C „C“
59	0000 050 689 00	1	1	1	1	D1	
60	0000 013 183 00	1	1	1	1		
61	0000 012 489 01	1	1	1	1		
62	0000 501 445 00	2	2	2	2		6,4 DIN 125-St A3C
63	0000 501 709 00	2	2	2	2		6 DIN 128 - A3C
64	0000 501 458 00	-	-	8	-		M10 DIN 934-8 A3C
65	0000 501 356 00	-	-	8	-		10 DIN 128 A3C
66	0000 502 678 00	-	-	4	-		
67	0000 504 591 00	2	2	2	2	D2,W4	A 22 x 27 DIN 7603-AI

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

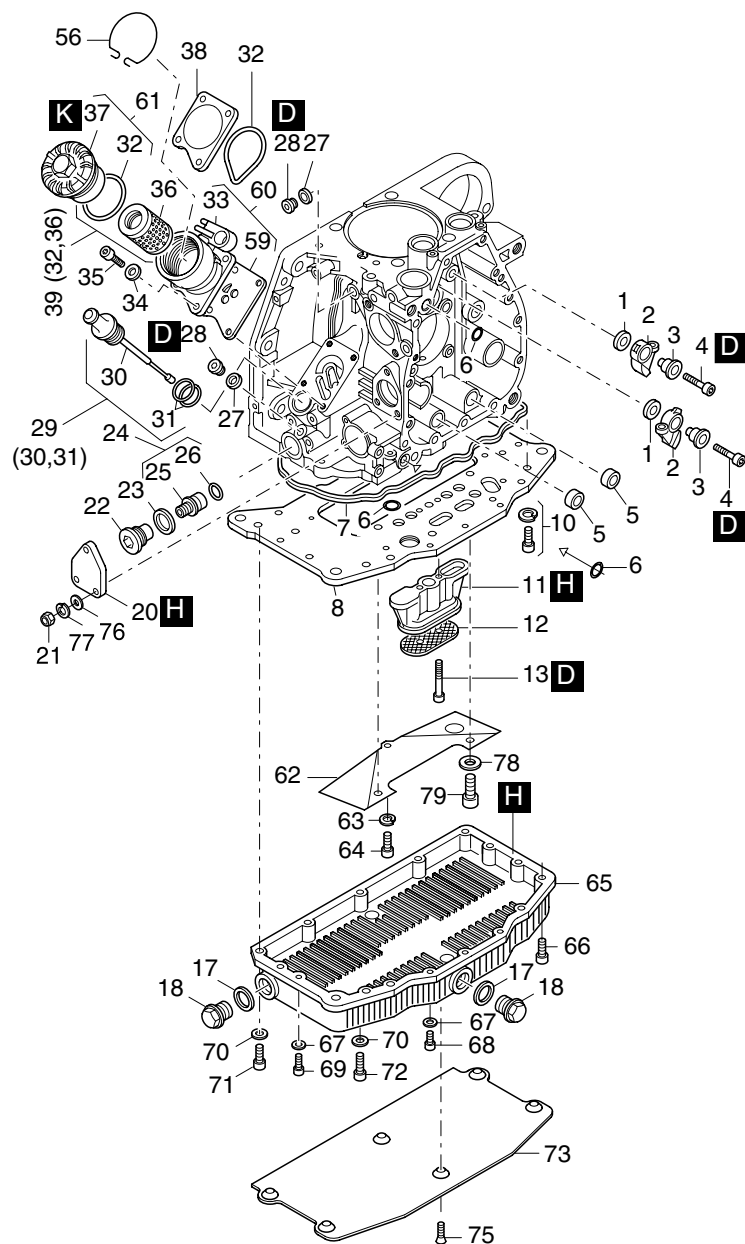


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1050		
1	0000 037 941 00	2		10,1 x 22 x 3
2	0000 037 943 00	2		
3	0000 037 942 01	2		
4	0000 505 454 01	2		M 6 x 25 DIN 912 - 10.9 KL 360
5	0000 037 958 00	2	D1	12 x 18,3 x 7,3
6	0000 503 290 00	3	D3	9,5 x 2,5
7	0000 037 951 00	1	D1	265 x 269,4 x 3,6
8	0000 012 703 00	1		
10	0000 504 176 00	10		M 8 X 25 Z4 DIN 912-8.8 A3C
11	0000 040 233 00	1		
12	0000 037 950 00	1		
13	0000 500 511 00	2		M 6 x 30 DIN 6912-8.8
17	0000 504 591 00	2	D2,W4	A 22 x 27 DIN 7603-AI
18	0000 503 731 00	0... 2	W1	AM22x1,5DIN7604A3C MAGN.
18	0000 501 404 00	0... 2		AM22x1,5DIN7604-5.8A3C
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 020 157 01	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
29	0000 012 552 00	1		
30	-----	-		
31	0000 503 597 00	2	D2	20,29 x 2,62
32	0000 503 292 00	2	D2,W1	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		
60	0000 013 183 00	1		
61	0000 012 489 01	1		
62	0000 041 346 00	1		
63	0000 501 709 00	1		6 DIN 128 - A3C
64	0000 503 291 00	1		M 6x10 DIN 912-8.8 Inbus Plus
65	0000 041 341 20	1		
66	0000 504 174 00	7		M 8 X 30 Z3 DIN 912-8.8 A3C
67	0000 501 445 00	3		6,4 DIN 125-St A3C
68	0000 504 597 00	3		M 6 x 25 DIN 912-8.8 A3C Tuf.
69	0000 504 742 00	1		M6x16 DIN912-8.8 A3C Tuf.360
70	0000 504 224 00	5		8 x 14 x 1,0 DIN 988
71	0000 501 759 00	4		M 8 X 30 DIN 912-8.8 A3C

M01c

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

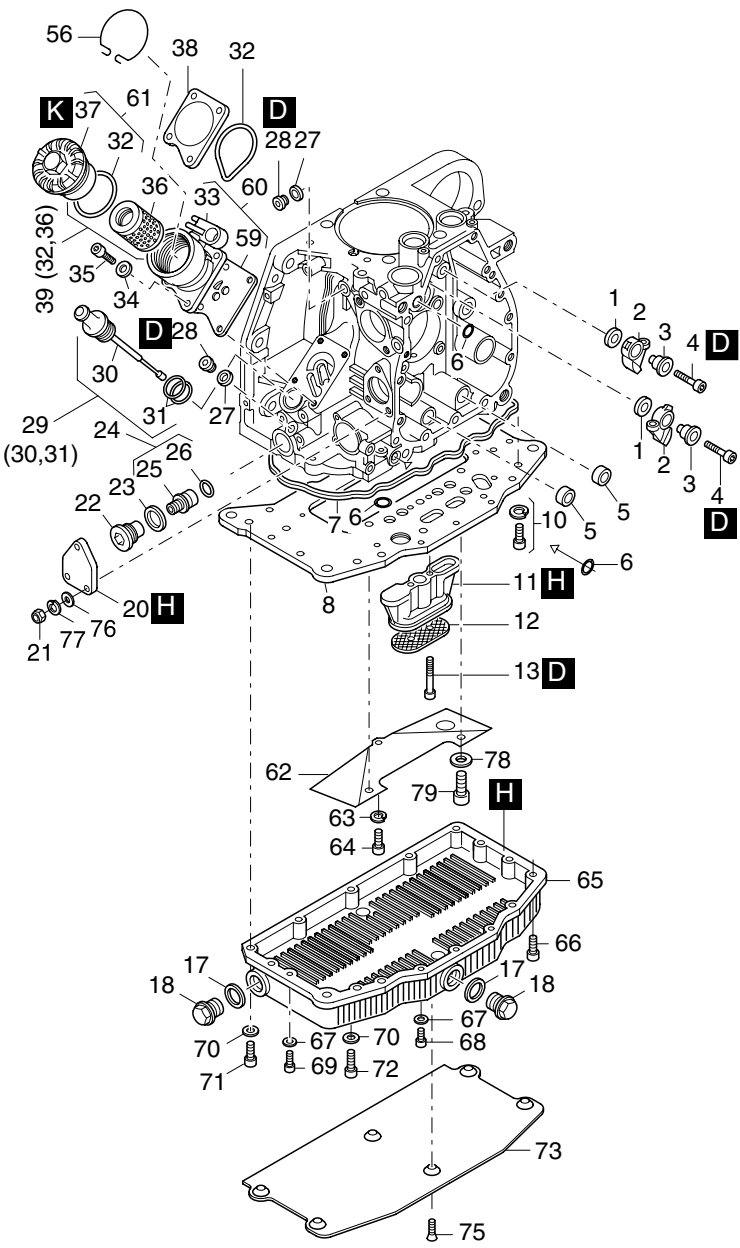


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1050		
72	0000 501 775 00	1		M 8 X 40 DIN 912-8.8 A3C
73	0000 041 623 00	1		
75	0000 504 355 00	6		M 5 x 12 DIN 7991-8.8 A3C
76	0000 501 445 00	2		6,4 DIN 125-St A3C
77	0000 501 709 00	2		6 DIN 128 - A3C
78	0000 040 543 00	2		8,4 x 21 x 3
79	0000 504 502 00	2		M 8 X 25 DIN 912-8.8 A3C TUF

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

19

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

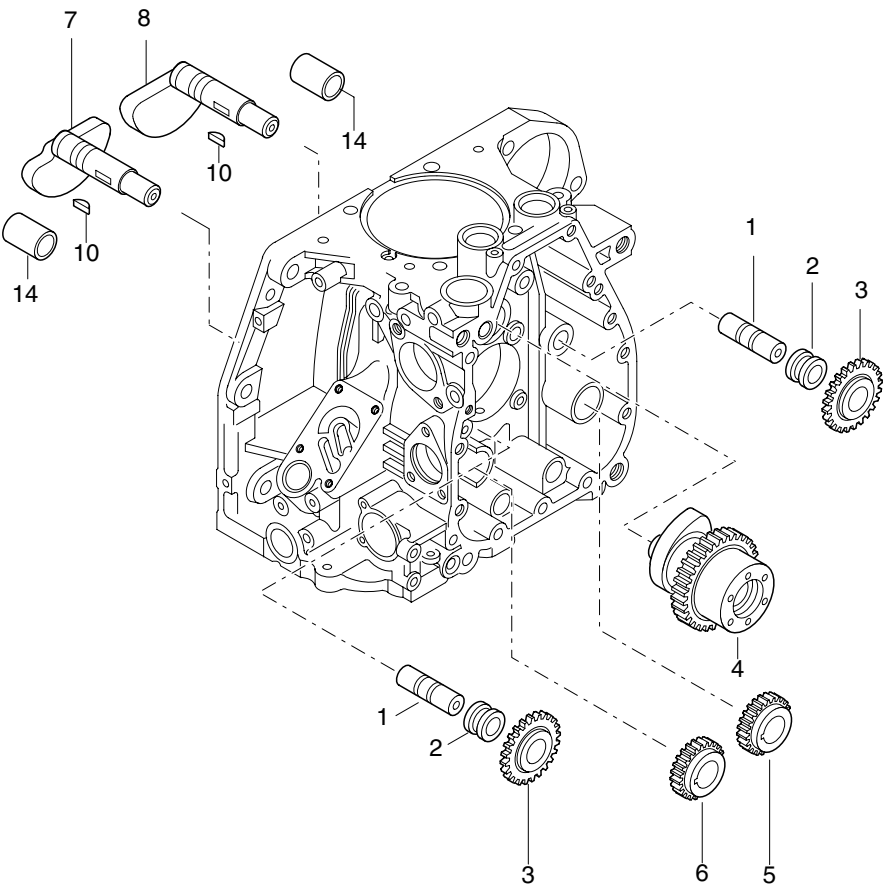


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1	0000 037 964 01	2	2	Z,C
2	0000 037 965 00	1-2	1-2	Z,C
3	0000 012 420 00	2	2	Z,C
4	0000 042 427 00	1	-	S,Z,C
4	0000 042 830 00	-	1	S,Z,C
4	0000 040 999 20	-	-	S,Z,C
4	0000 043 330 00	-	-	DOC S,Z,C
5	0000 037 968 00	1	1	Z,C
6	0000 037 969 00	1	1	Z,C
7	0000 040 237 10	1	1	Z,C
7	0000 037 967 10	-	-	Z,C
8	0000 040 238 10	1	1	Z,C
8	0000 037 966 10	-	-	Z,C
10	0000 503 249 00	2	2	3 x 3,7 DIN 6888 St 60 Z,C
14	0000 040 239 00	2	2	Z,C
	1D41 EPA TIER IV Serial No. 094 22 ...	2	2	
	1D42(C) EPA TIER IV Serial No. 133 11 ...	1-2	1-2	
	1D42 EPA TIER IV final-DOC Serial No. 172 10 ...	2	2	
	1D42C EPA TIER IV final Serial No. 157 10 ...	2	2	
	1D50 EPA TIER IV Serial No. 109 20 ...	2	2	
	1D50 EPA TIER IV final-DOC Serial No. 173 10 ...	2	2	
	1D81 EPA TIER IV final Serial No. 073 27 ...	2	2	
	1D81 EPA TIER IV final-DOC1500-1800 Serial No. 166 27 ...	2	2	
	1D81 EPA TIER IV final-DOC1500-1800 Serial No. 171 27 ...	2	2	
	1D81C EPA TIER IV final variable speed Serial No. 160 27 ...	2	2	
	1D81 Minimum load Serial No. 316 27 ...	2	2	
	1D90 EPA TIER IV final Serial No. 108 20 ...	2	2	
	1D90 EPA TIER IV final-DOC 1500-1800 Serial No. 167 20 ...	2	2	
	1D90 EPA TIER IV final-DOC 1850-3000 Serial No. 169 20 ...	2	2	

M05a, M06

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

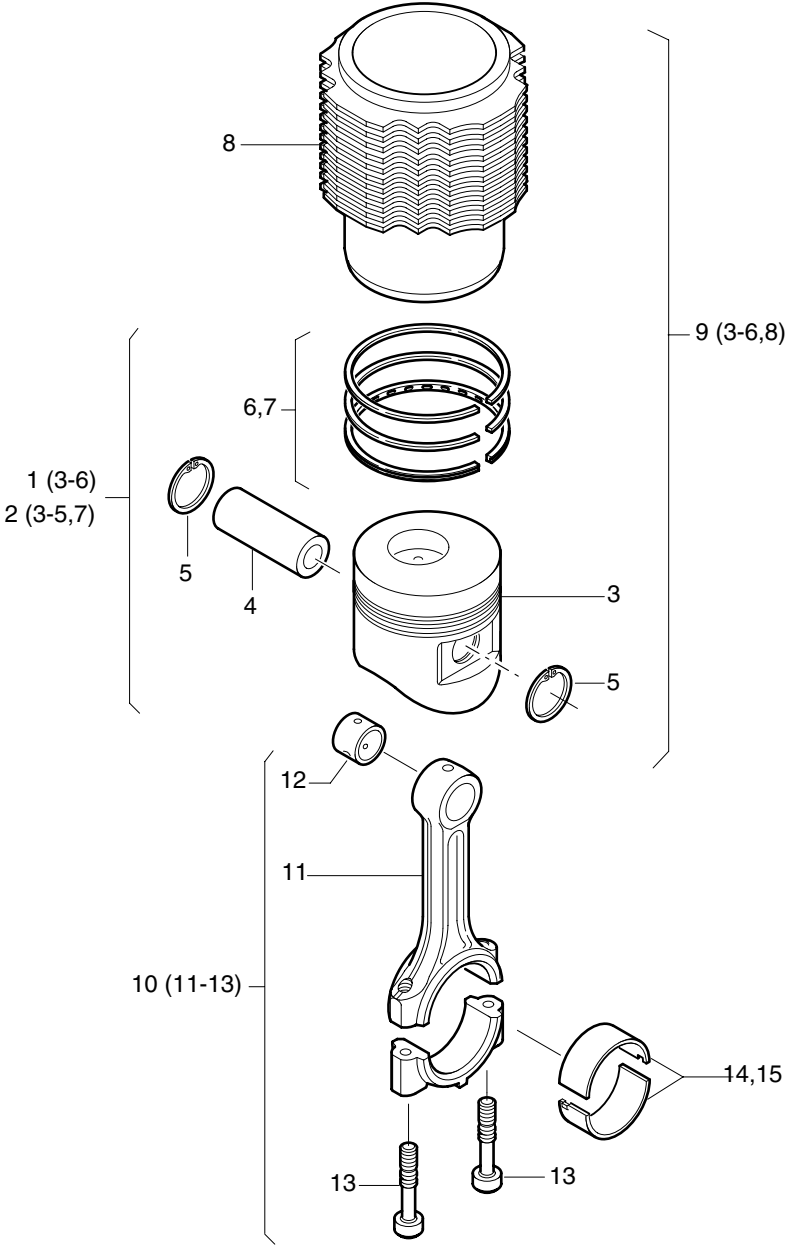


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41	1D42	1D81	1D90		
1	0000 013 124 20	1	-	-	-		
1	0000 020 152 01	-	1	-	-		
1	0000 013 135 42	-	-	1	-		
1	0000 013 317 20	-	-	-	1		
2	0000 013 152 20	1	-	-	-		+ 0,5 mm
2	0000 020 153 01	-	1	-	-		+ 0,5 mm
2	0000 013 146 42	-	-	1	-		+ 0,5 mm
2	0000 013 327 20	-	-	-	1		+ 0,5 mm
2	0000 013 153 20	1	-	-	-		+ 1,0 mm
2	0000 020 154 01	-	1	-	-		+ 1,0 mm
3	-----	-	-	-	-		
4	0000 504 161 00	1	1	-	-		25 x 13 x 68 DIN 73126-B2
4	0000 504 619 00	-	-	1	1		30 x 15 x 75
5	0000 503 812 10	2	2	-	-		A 25 x 1,2
5	0000 504 620 00	-	-	2	2		30 x 1,2
6	0000 013 125 01	1	1	-	-		90
6	0000 012 473 10	-	-	1	-		
6	0000 013 318 00	-	-	-	1		
7	-----	-	-	-	-		
7	0000 013 154 01	1	1	-	-		+ 0,5 mm
7	0000 012 645 10	-	-	1	-		+ 0,5 mm
7	0000 013 155 01	1	1	-	-		+ 1,0 mm
8	-----	-	-	-	-		
9	0000 015 050 20	1	-	-	-		
9	0000 022 589 00	-	1	-	-		
9	0000 015 083 30	-	-	1	-		
9	0000 015 926 20	-	-	-	1		
10	0000 012 583 02	1	1	-	-		
10	0000 012 440 01	-	-	1	1		
11	-----	-	-	-	-		
12	0000 040 656 00	1	1	-	-		
12	0000 040 322 00	-	-	1	1		
13	0000 041 005 00	2	2	-	-		
13	0000 040 018 10	-	-	2	2		
14	0000 022 516 00	1	1	-	-		
14	0000 022 519 00	-	-	1	1		
15	0000 022 520 00	1	1	-	-		- 0,5 mm
15	0000 022 521 00	-	-	1	1		- 0,5 mm

M05b, M06

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

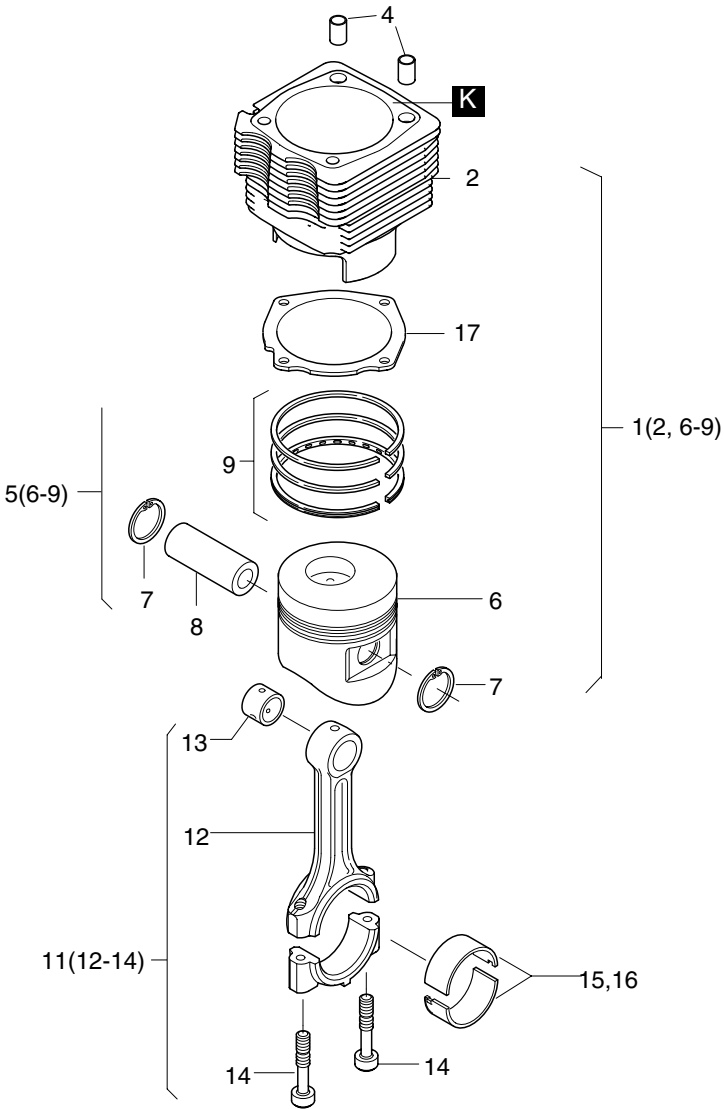


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1050		
1	0000 016 444 30	1		
2	-----	-		
4	0000 041 349 00	2		10,5 x 12,5 x 15
5	0000 020 251 00	1		97 mm
6	-----	-		
7	0000 503 812 10	2		A 25 x 1,2
8	0000 504 813 00	1		25 x 12 x 68
9	0000 013 369 00	1		97 mm
11	0000 012 583 02	1		
12	-----	-		
13	0000 040 656 00	1		
14	0000 041 005 00	2		
15	0000 022 516 00	1		
16	0000 022 520 00	1		- 0,5 mm
17	0000 041 712 03	1		

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

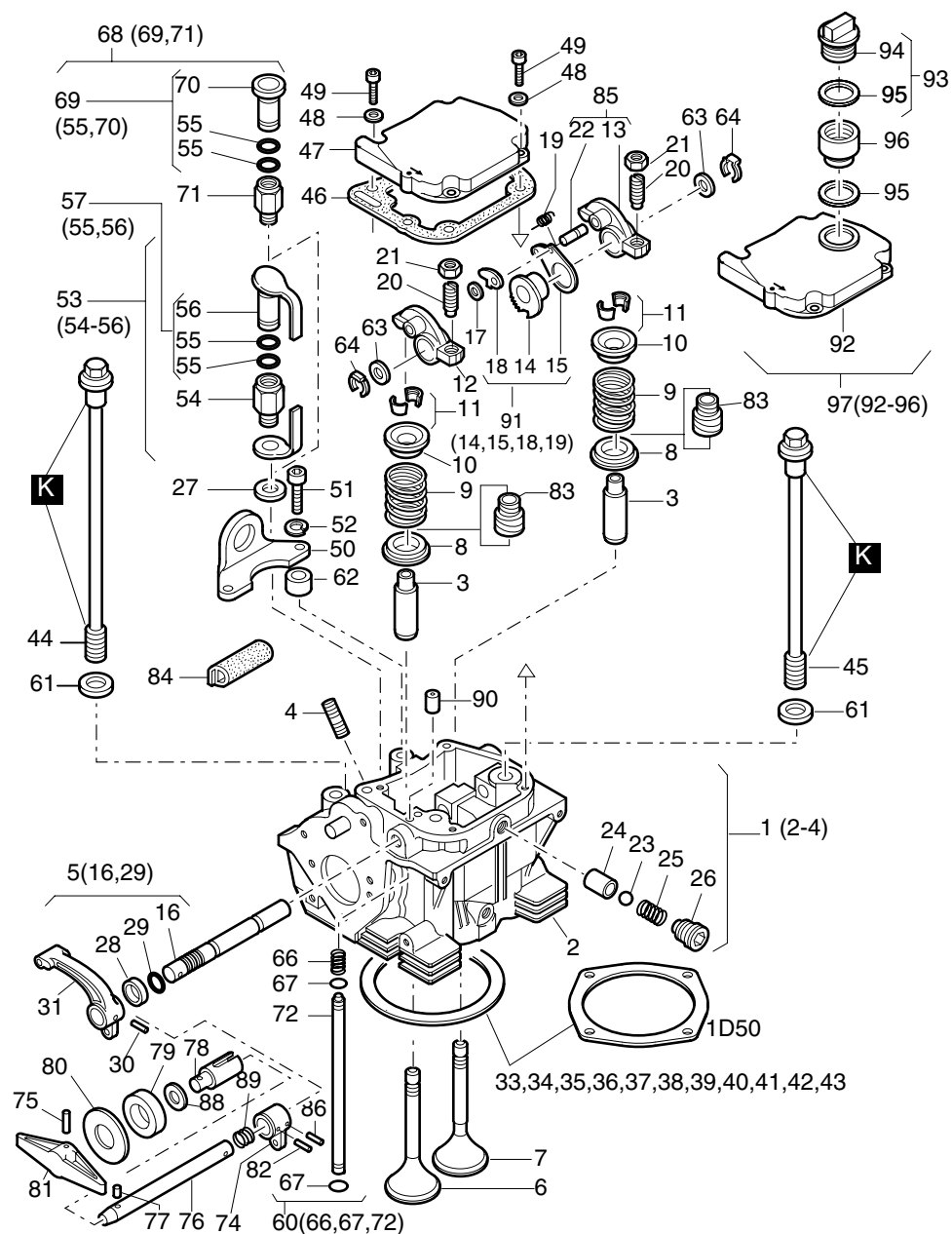


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 018 586 01	1	1	-	-	-		
1	0000 018 587 00	-	-	1	-	-		
1	0000 014 996 20	-	-	-	1	-		
1	0000 015 927 10	-	-	-	-	1		
2	-----	-	-	-	-	-		
3	0000 041 375 00	2	2	2	-	-		
3	0000 040 087 12	-	-	-	2	2		
4	0000 502 792 00	1	1	1	-	-		M 8 x 40 DIN 835-8.8 A3C
4	0000 500 384 00	-	-	-	1	1		M 8 x 35 DIN 835-8.8 A3C
5	0000 012 909 20	1	1	1	-	-		
5	0000 014 689 20	-	-	-	1	1		
6	0000 042 468 01	1	1	1	-	-		
6	0000 040 910 02	-	-	-	1	1		
7	0000 042 469 01	1	1	1	-	-		
7	0000 040 911 01	-	-	-	1	1		
8	0000 040 052 01	2	2	2	2	2		
9	0000 040 293 00	2	2	2	-	-		
9	0000 040 053 00	-	-	-	2	-		
9	0000 041 520 00	-	-	-	-	2		
10	0000 040 292 02	2	2	2	-	-		
10	0000 040 054 02	-	-	-	2	2		
11	0000 022 524 00	2	2	2	-	-		
11	0000 022 522 00	-	-	-	2	2		
12	0000 040 037 10	1	1	1	1	1		
13	-----	-	-	-	-	-		
14	-----	-	-	-	-	-		
15	0000 037 784 01	1	1	1	1	1		
16	-----	-	-	-	-	-		
17	0000 501 172 00	1	1	1	1	1		RA 4ME DIN 6799
18	0000 033 657 10	1	1	1	1	1		
19	0000 033 660 01	1	1	1	1	1		
20	0000 037 830 00	2	2	2	2	2		
21	0000 031 731 00	2	2	2	2	2	W2	M 8X1
22	-----	-	-	-	-	-		
23	0000 501 238 00	1	1	1	1	1		7 mm III DIN 5401
24	0000 040 047 01	1	1	1	1	1		
25	0000 040 048 00	1	1	1	1	1		
26	0000 012 452 00	1	1	1	1	1		
27	0000 500 011 00	1	1	1	1	1	d1	A 12 x 15,5 DIN 7603-Cu
28	0000 040 489 00	-	-	-	1	1	d1	12 x 18 x 5
29	0000 400 224 01	1	1	1	1	1	d2	8 x 2 FPM 75 MOLYKOT.
30	0000 500 347 00	1	1	1	1	1		4 x 22 ISO 8752-ST
31	0000 040 098 10	1	1	1	1	1		
33	0000 040 715 00	0... 1	0... 1	-	-	-		0,3 mm
33	0000 042 395 00	0... 1	0... 1	-	-	-		0,35 mm
33	0000 041 193 00	-	-	-	-	0... 1		0,3 mm
33	0000 042 417 00	-	-	-	-	0... 1		0,35 mm
34	0000 040 716 00	0... 1	0... 1	-	-	-		0,4 mm
34	0000 042 396 00	0... 1	0... 1	-	-	-		0,45 mm

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

29

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

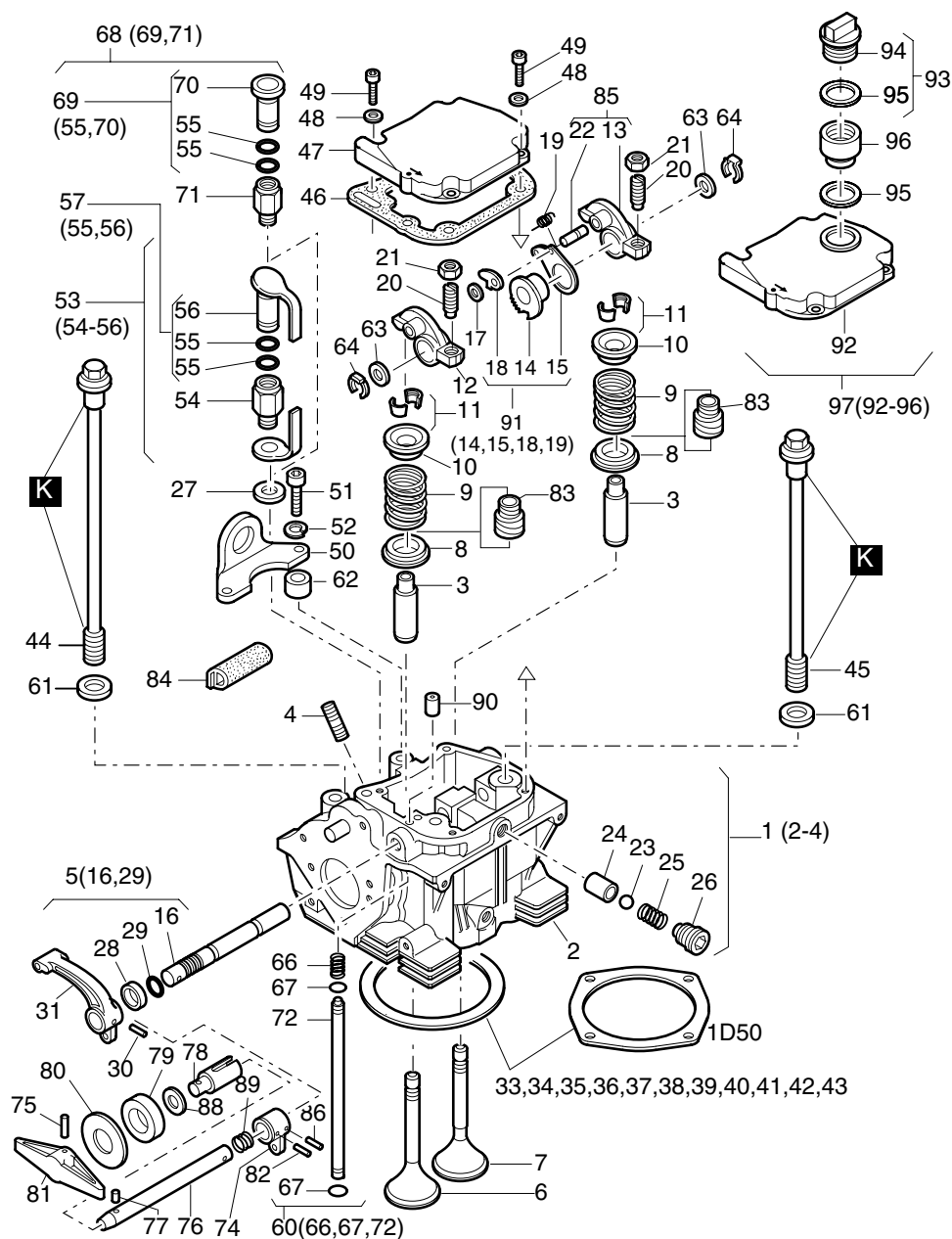


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
42	0000 040 724 00	0... 1	0... 1	-	-	-		1,2 mm
42	0000 042 404 00	0... 1	0... 1	-	-	-		1,25 mm
42	0000 040 030 00	-	-	-	0... 1	-		1,2 mm
42	0000 042 416 00	-	-	-	0... 1	-		1,25 mm
42	0000 041 202 00	-	-	-	-	0... 1		1,2 mm
42	0000 042 426 00	-	-	-	-	0... 1		1,25 mm
43	0000 040 725 00	0... 1	0... 1	-	-	-		1,3 mm
43	0000 040 031 00	-	-	-	0... 1	-		1,3 mm
43	0000 041 203 00	-	-	-	-	0... 1		1,3 mm
44	0000 040 286 01	2	2	2	-	-		251,5 mm
44	0000 040 032 01	-	-	-	2	2		305 mm
45	0000 040 285 01	2	2	2	-	-		174 mm
45	0000 040 033 01	-	-	-	2	2		258 mm
46	0000 040 061 11	1	1	1	1	1	d1,W3	
47	0000 012 454 15	1	1	1	1	1		
48	0000 500 812 00	4	4	4	4	4	P4	A 6 DIN 137 - A3C
49	0000 501 708 00	4	4	4	4	4	P2	M 6 x 25 DIN 912-8.8A3C
50	0000 040 081 00	1	1	1	1	1		
51	0000 501 759 00	2	2	2	-	-		M 8 X 30 DIN 912-8.8 A3C
51	0000 503 663 00	-	-	-	2	2		M 8 X 20 DIN 912-8.8A3C
52	0000 502 085 00	2	2	2	2	2		8 DIN 128 A3C
53	0000 014 932 00	1	1	1	1	1		S,Z,T,U
54	-	-	-	-	-	-		
55	0000 503 262 00	2	2	2	2	2	d2	11,3 x 2,4
56	-	-	-	-	-	-		
57	0000 013 083 01	1	1	1	1	1	P1	S,Z,T,U
60	0000 012 696 01	1	1	1	-	-		
60	0000 012 697 00	-	-	-	1	1		
61	0000 037 941 00	4	4	4	-	-		10,1 x 22 x 3
61	0000 034 575 00	-	-	-	4	4		12,5 x 24 x 2,5
62	0000 040 080 00	2	2	2	-	-		9,2 x 17,2 x 10
63	0000 034 575 00	2	2	2	-	-		12,5 x 24 x 2,5
64	0000 503 533 00	2	2	2	-	-		
66	0000 040 042 00	1	1	1	1	1		
67	0000 503 301 00	2	2	2	2	2	d2	4 x 1,2
68	0000 012 806 00	1	1	-	1	1		„C“
69	0000 012 756 11	1	1	-	1	1	P1	„C“
70	-	-	-	-	-	-		
71	-	-	-	-	-	-		
72	-	-	-	-	-	-		
74	0000 040 479 20	1	1	-	1	1		„C“
75	0000 501 320 00	1	1	-	1	1		4 x 16 ISO 8752-ST „C“
76	0000 040 833 20	1	1	-	-	-		
76	0000 040 482 20	-	-	-	1	1		„C“
77	0000 500 345 00	1	1	-	1	1		4 x 14 ISO 8752-ST „C“
78	0000 040 481 10	1	1	-	1	1		„C“
79	0000 015 816 00	1	1	-	1	1		„C“
80	0000 040 480 00	1	1	-	1	1		10,5x50x1,0 „C“
81	0000 037 782 00	1	1	-	1	1		„C“

Cylinder head
Zylinderkopf
Culasse
Culata
Testa

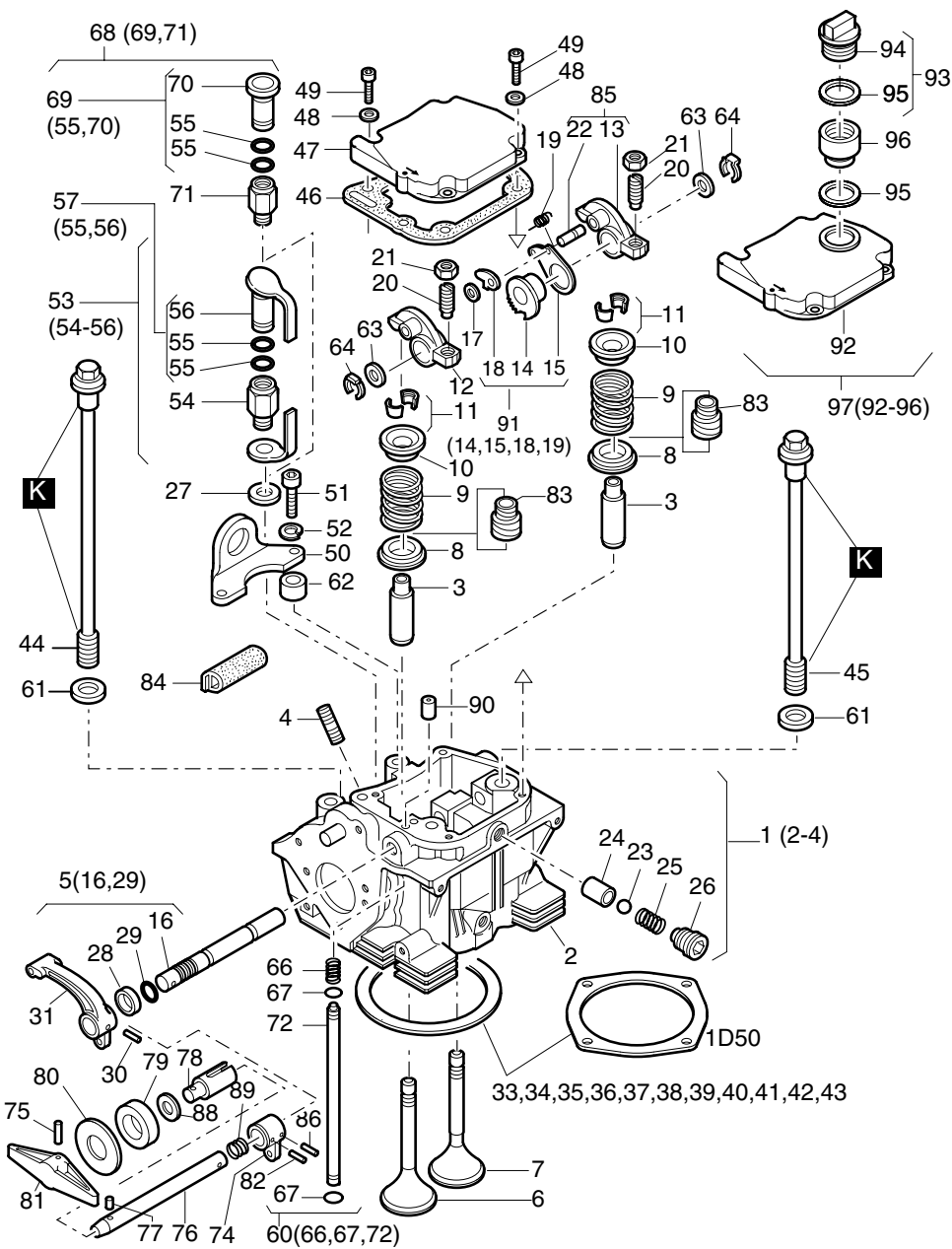


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
82	0000 501 320 00	1	1	-	1	1		4 x 16 ISO 8752-ST „C“
83	0000 504 057 00	2	2	2	-	-	d2	
83	0000 506 349 00	-	-	-	2	2	d2	
84	0000 040 704 00	1	1	1	-	-		60 mm
85	0000 012 850 10	1	1	1	1	1		
86	0000 500 346 00	1	1	-	1	1		4 x 18 ISO 8752-ST „C“
88	0000 037 873 00	1	1	-	1	1		10,5 x 21 x 0,2 „C“
89	0000 040 972 00	1	1	-	1	1		„C“
90	0000 041 049 00	1	1	1	-	-		(ø 5 mm)
90	0000 041 043 00	-	-	-	1	1		(ø 8 mm)
91	0000 015 576 00	1	1	1	1	1		
92	-	-	-	-	-	-		
93	0000 016 131 00	1	1	1	1	1		
94	-	-	-	-	-	-		
95	0000 041 250 00	2	2	2	2	2		26 x 35 x3
96	0000 036 584 00	1	1	1	1	1		
97	0000 016 200 00	1	1	1	1	1		

M09, M17

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

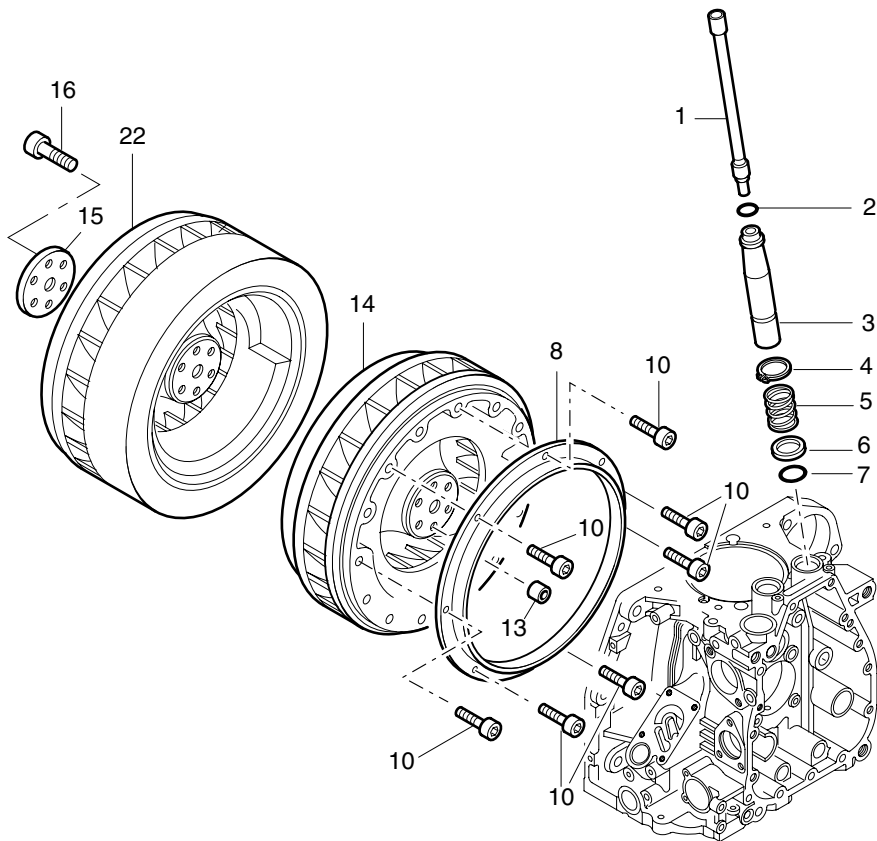
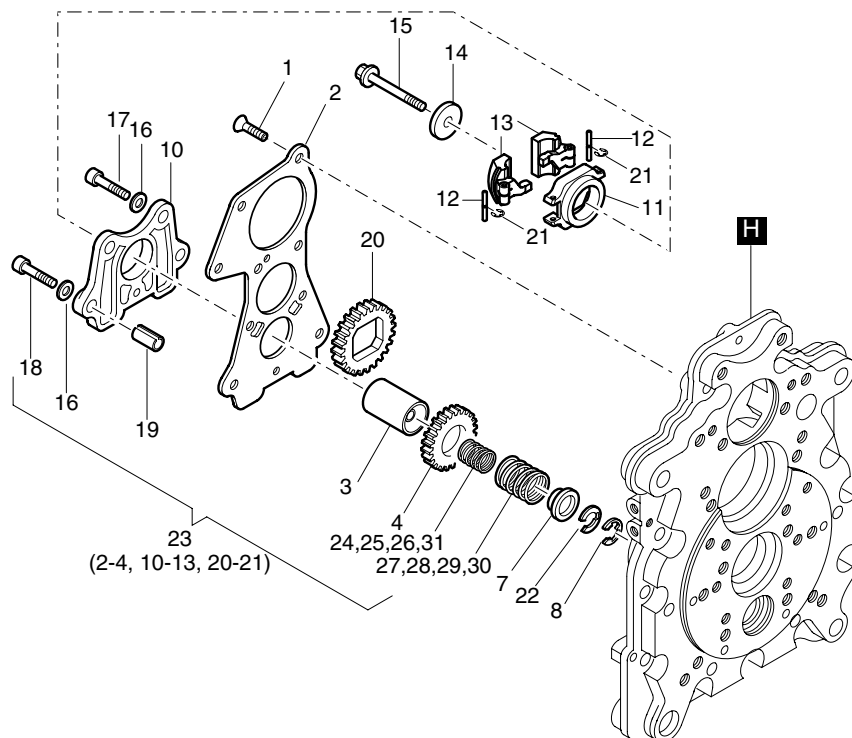


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 012 593 10	2	2	2	-	-		
1	0000 012 443 10	-	-	-	2	2		
2	0000 503 302 00	2	2	2	2	2	d2	19 x 3
3	0000 040 272 00	2	2	2	-	-		
3	0000 040 025 00	-	-	-	2	2		
4	0000 503 470 00	2	2	2	2	2	P2	AS 24 x 1,75 DIN 471
5	0000 040 026 00	2	2	2	2	2		
6	0000 040 020 00	2	2	2	2	2		
7	0000 504 113 00	2	2	2	-	-	d2	23 x 3,5 grün, green, vert, verde
7	0000 503 303 00	-	-	-	2	2	d2	23 x 3
8	0000 040 306 01	1	1	1	-	-		
8	0000 040 075 00	-	-	-	1	1		
10	0000 503 971 00	6	6	6	7	7		M 4 X 10 DIN 912-8.8 A3C TUF
13	0000 040 330 00	1	1	1	-	-		
13	0000 031 237 00	-	-	-	1	1		
14	0000 040 261 21	1	1	-	-	-		
14	0000 041 437 01	-	-	1	-	-		
14	0000 040 071 33	-	-	-	1	1		
15	0000 040 266 00	1	1	1	-	-		
15	0000 040 074 10	-	-	-	1	1		
16	0000 501 328 00	6	6	6	-	-		M10 X 40 DIN 912-10.9
16	0000 503 631 00	-	-	-	6	6		M12 X 1,5 X 40 DIN 912-10.9
22	0000 040 799 01	1	1	-	-	-		Schwungrad schwer
22	0000 040 745 06	-	-	-	1	1		Flywheel heavy, Volant lourd

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



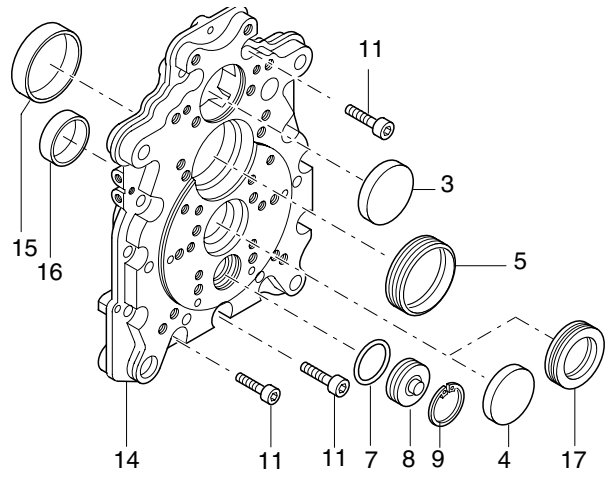
common use			
1D..	Pos	Ø	Speed
30-90	24	1,6	1500
30-90	25	1,7	1800
30-90	26	1,9	2300
30-90	27	2,6	2500
31,41-90	28	2,8	3000
31,41-90	28+26	2,8+1,9	3600

compaction equipment with stabilised idling			
1D..	Pos	Ø	Speed
30-90	30	3	2500-3000
30-90	30+31	3,0+1,6	3100

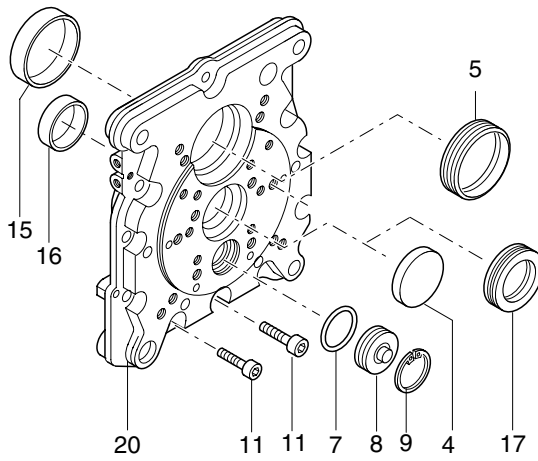
generator sets PV78, PV171			
1D..	Pos	Ø	Speed
31,41-90	29	2,8	3000
30-35,40,60	28+26	2,8+1,9	3000
31,41,42,50,80-90	29+26	2,8+1,9	3600

Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 503 280 00	5	5	5	5	5		AM 6 x 16 17065 - 8.8 Zn
2	0000 037 974 12	1	1	1	1	1		
3	0000 012 424 01	1	1	1	1	1		
4	0000 037 973 10	1	1	1	1	1		
7	0000 037 986 00	1	1	1	1	1		
8	0000 503 347 00	1	1	1	1	1		5 ME DIN 6799
10	0000 037 975 12	1	1	1	1	1		
11	0000 042 771 01	1	1	1	1	1		
12	0000 042 773 00	2	2	2	2	2		
13	0000 042 772 02	2	2	2	2	2		
14	0000 037 979 00	1	1	1	1	1		
15	0000 037 978 01	1	1	1	1	1		
16	0000 500 812 00	5	5	5	5	5		A 6 DIN 137 - A3C
17	0000 501 708 00	3	3	3	3	3		M 6 x 25 DIN 912-8.8A3C
18	0000 500 510 00	2	2	2	2	2		M 6 x 30 DIN 912-8.8
19	0000 500 849 01	2	2	2	2	2		8 x 12 DIN 7346 55 Si 7 2Fasen
20	0000 037 987 20	1	1	1	1	1		
21	0000 505 943 00	2	2	2	2	2		2 x 10 ISO 8753-ST
22	0000 040 460 00	0..3	0..3	0..3	0..3	0..3		0,5 mm
22	0000 042 625 00	0..1	0..1	0..1	0..1	0..1		0,3 mm
23	0000 023 582 00	1	1	1	1	1		
24	0000 040 528 00	0..1	0..1	0..1	0..1	0..1		ø 1,6 mm ... 1500 min-1
25	0000 040 529 00	0..1	0..1	0..1	0..1	0..1		ø 1,7 mm 1501...1800 min-1
26	0000 040 088 01	0..1	0..1	0..1	0..1	0..1		ø 1,9 mm 1801...2300 min-1
27	0000 040 708 00	0..1	0..1	0..1	0..1	0..1		ø 2,6 mm 2301...2500 min-1
28	0000 040 634 00	0..1	0..1	0..1	0..1	0..1		ø 2,8 mm 2301...3000 min-1
29	0000 040 896 00	0..1	0..1	0..1	0..1	0..1		ø 2,8 mm 3000 min-1 Gen.PV78
30	0000 050 397 00	0..1	0..1	0..1	0..1	0..1		ø 3,0 mm
31	0000 052 014 00	0..1	0..1	0..1	0..1	0..1		ø 1,6 mm

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione



2 (3-5,14-17)



19 (4-5,15-17,20)

Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
2	0000 012 677 31	-	-	-	1	1		SAE, HP, FP
3	0000 503 256 01	-	-	-	1	1		50
4	0000 503 257 01	1	1	1	1	1		52
5	0000 503 258 11	1	1	1	1	1	D1	54 x 70 x 8
7	0000 503 304 00	1	1	1	1	1	D1	27 x 2
8	0000 040 004 00	1	1	1	1	1		
9	0000 503 990 00	1	1	1	1	1		JL 32 x 1,2 DIN 472
11	0000 504 174 00	12	12	12	13	13		M 8 X 30 Z3 DIN 912-8.8 A3C
14	-----	-	-	-	-	-		
15	0000 040 003 10	1	1	1	1	1		
16	0000 040 232 11	1	1	1	1	1		
17	0000 503 647 01	1	1	1	1	1		32 x 52 x 7
19	0000 012 934 21	1	1	1	-	-		SAE, HP, FP
20	-----	-	-	-	-	-		

M12, M14

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

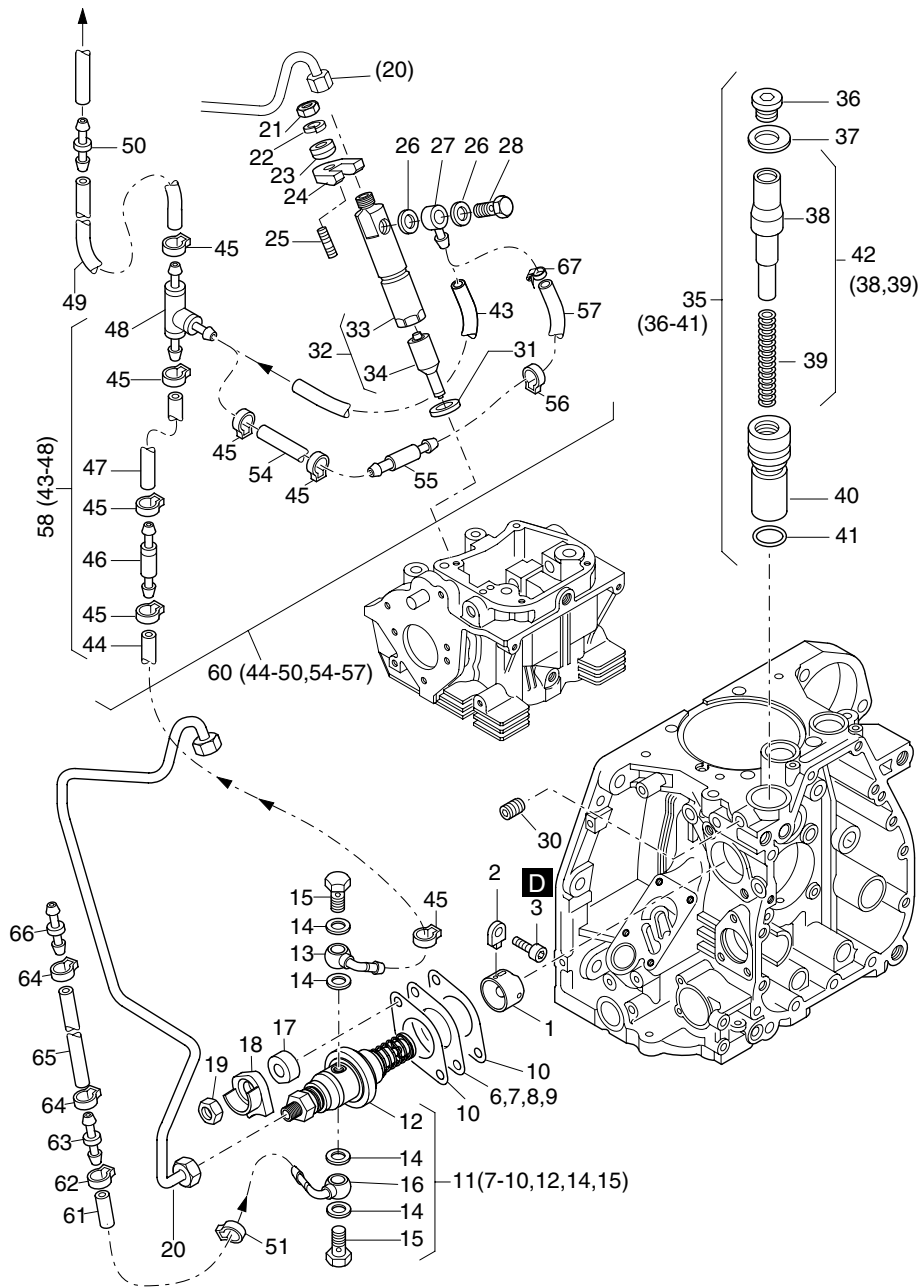


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1	0000 504 929 01	1	1	1D41 EPA TIER IV Serial No. 094 22 ...
2	0000 041 692 00	1	1	1D42(C) EPA TIER IV Serial No. 133 11 ...
3	0000 500 506 00	1	1	1D42 EPA TIER IV final-DOC Serial No. 172 10 ...
6	0000 032 097 00	1	1	1D42C EPA TIER IV final Serial No. 157 10 ...
7	0000 041 024 00	1	1	1D50 EPA TIER IV Serial No. 109 20 ...
8	0000 041 025 00	1	1	1D50C EPA TIER IV final-DOC Serial No. 173 10 ...
9	0000 041 026 00	1	1	1D81 EPA TIER IV final Serial No. 073 21 ...
10	0000 040 713 00	1	1	1D81 EPA TIER IV final-DOC1500-1800 Serial No. 166 27 ...
10	0000 041 022 00	1	1	1D81 EPA TIER IV final-DOC1500-1800 Serial No. 171 27 ...
10	0000 041 023 00	1	1	1D81C EPA TIER IV final variable speed Serial No. 160 27 ...
11	0000 018 643 02	1	1	1D81 Minimum load Serial No. 316 27 ...
11	0000 022 590 00	1	1	1D90 EPA TIER IV final Serial No. 108 20 ...
11	0000 023 580 00	1	1	1D90C EPA TIER IV final-DOC Serial No. 167 20 ...
11	0000 018 645 02	1	1	1D90 EPA TIER IV final-DOC Serial No. 169 20 ...
11	0000 025 045 00	1	1	1D90C EPA TIER IV final-DOC Serial No. 169 20 ...
12	0000 052 997 01	1	1	1
13	0000 053 601 00	1	1	1
14	0000 505 863 00	4	4	1
15	0000 505 778 01	2	2	1
16	0000 052 997 01	1	1	1
17	0000 042 393 00	2	2	1
18	0000 042 391 00	2	2	1
19	0000 042 443 00	2	2	1
20	0000 013 118 10	1	1	1
20	0000 013 136 20	1	1	1
21	0000 501 480 00	1	1	1
22	0000 502 085 00	1	1	1
23	0000 040 357 00	1	1	1
24	0000 037 924 01	1	1	1
25	0000 502 792 00	1	1	1
25	0000 500 384 00	1	1	1
26	0000 500 008 00	2	2	1
27	0000 503 334 00	1	1	1
28	0000 503 130 00	1	1	1
30	0000 500 046 00	1	1	1
31	0000 040 258 00	1	1	1
31	0000 041 852 00	1	1	1
32	0000 505 669 00	1	1	1
32	0000 505 985 00	1	1	1
32	0000 505 671 10	1	1	1

M12, M14

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

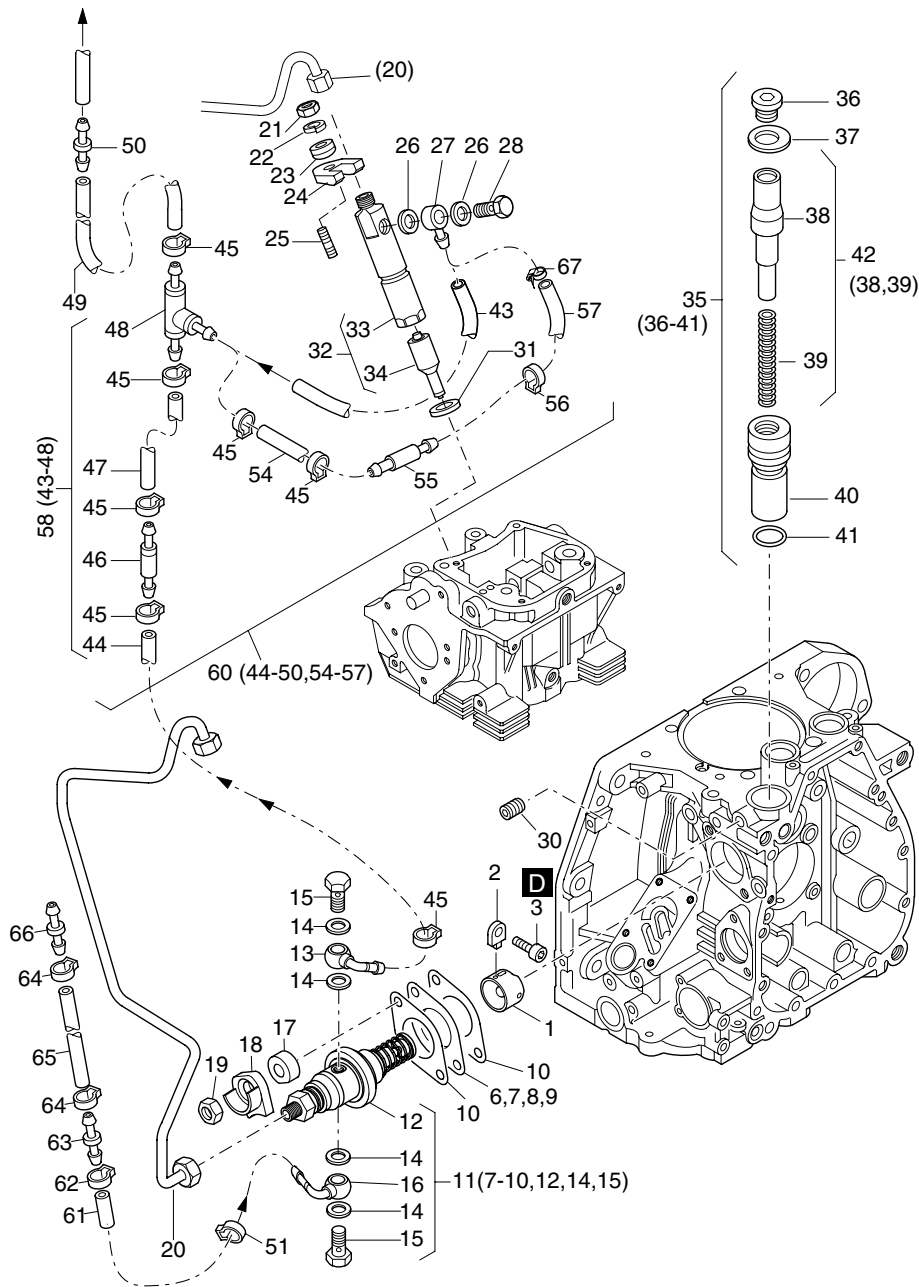


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
32	0000 505 673 10	1		
32	0000 506 542 00	1		
32	0000 504 930 01	1		
32	0000 505 675 00	1		
33	-----			
34	0000 505 670 00	1		
34	0000 505 986 00	1		
34	0000 505 672 10	1		
34	0000 505 674 10	1		
34	0000 506 511 00	1		
34	0000 504 931 01	1		
34	0000 505 676 00	1		
35	0000 014 989 02	0-1		
35	0000 015 058 01	0-1		
35	0000 014 990 01	0-1		
36	0000 503 308 00	1		
37	0000 040 016 00	1		
38	-----			
39	0000 050 352 00	1		
40	0000 040 014 10	1		
41	0000 503 289 00	1		
42	0000 015 195 00	0-1		
42	0000 015 123 00	0-1		
42	0000 015 122 00	-		
43	0000 039 621 10	1		
44	0000 054 422 00	1		
44	0000 053 664 00	1		
44	0000 053 979 00	-		
45	0000 505 709 00	4-7		
46	0000 008 055 02	1		
47	0000 053 103 00	1		
47	0000 053 849 00	1		
47	0000 053 101 00	-		
47	0000 053 664 00	-		
48	0000 039 896 01	1		
48	0000 052 424 00	1		
49	0000 040 897 10	1		
49	0000 053 104 00	-		
50	0000 502 796 00	1		
51	0000 505 709 00	1		
54	0000 053 181 00	1		
54	0000 036 637 10	-		
1D41 EPA TIER IV	Serial No. 094 22 ...	-		
1D42(C) EPA TIER IV	Serial No. 133 11 ...	-		
1D42 EPA TIER IV final-DOC	Serial No. 172 10 ...	-		
1D42C EPA TIER IV final	Serial No. 157 10 ...	-		
1D50 EPA TIER IV	Serial No. 109 20 ...	-		
1D50 EPA TIER IV final-DOC	Serial No. 173 10 ...	-		
1D81 EPA TIER IV final	Serial No. 073 27 ...	-		
1D81 EPA TIER IV final-DOC1500-1800	Serial No. 166 27 ...	-		
1D81 EPA TIER IV final-DOC1500-1800	Serial No. 171 27 ...	-		
1D81C EPA TIER IV final variable speed	Serial No. 160 27 ...	-		
1D81 Minimum load	Serial No. 316 27 ...	-		
1D90 EPA TIER IV final	Serial No. 108 20 ...	-		
1D90 EPA TIER IV final-DOC 1500-1800	Serial No. 167 20 ...	-		
1D90 EPA TIER IV final-DOC 1650-3000	Serial No. 169 20 ...	-		
				T"
				T"
				M16x1,5DIN908-5.8A3CTuf
				22 x 1,6
				T"
				T"
				3,5 x 160 mm
				6 x 135 mm
				6 x 40mm „C“
				6 x 110 „C“
				Ø 12,8
				4,5 x 150 mm
				6 x 75mm „C“
				4,5 x 170 mm
				6 x 40mm „C“
				NW 3 „C“
				5 x 510 mm „C“
				5 x 875 mm „C“
				„C“
				Ø 12,8
				5 x 60 mm „C“
				5 x 50 mm „C“

M12, M14

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

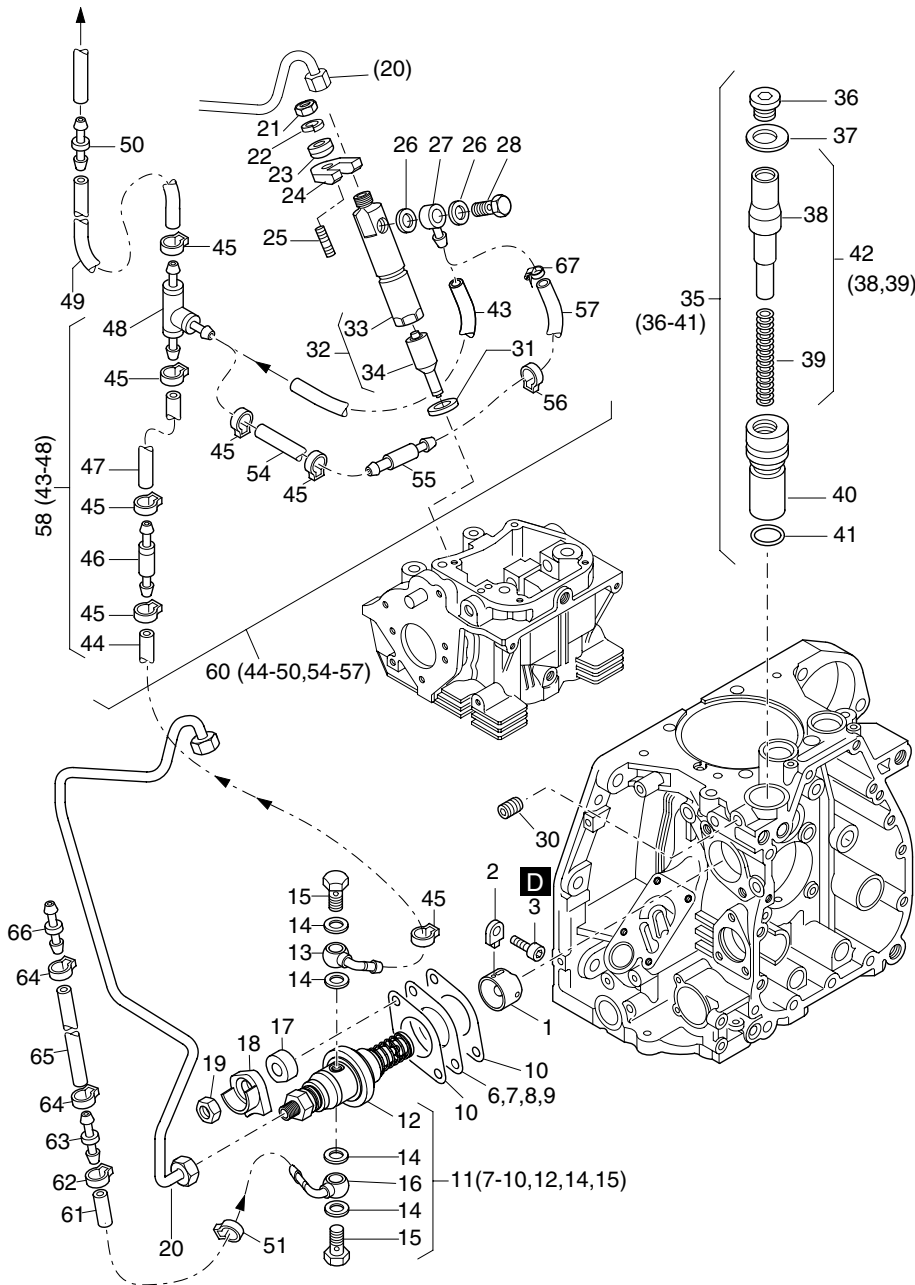


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
55	0000 053 012 00	1	1	„C“
56	0000 503 998 01	1	1	Ø 11,3 „C“
57	0000 053 182 00	1	1	3,5 x 205 mm „C“
57	0000 055 150 00	-	-	3,5 x 250 mm „C“
58	0000 014 574 11	1	1	„S-Z“
58	0000 011 899 11	-	-	„S-Z“
60	0000 014 769 20	1	1	„C“
60	0000 024 270 00	-	-	„C“
61	0000 036 643 10	1	1	5 x 75 „C“
62	0000 505 709 00	1	1	Ø 12,8 „C“
63	0000 052 404 00	1	1	„C“
64	0000 505 238 00	2	2	Ø 16,0 „C“
65	0000 034 936 10	1	1	7 x 330 mm „C“
65	0000 053 375 01	-	-	7 x 570 mm „C“
66	0000 036 581 01	1	1	„C“
67	0000 503 572 00	-	-	Ø 7 - 11 „C“
1D41 EPA TIER IV	Serial No. 094 22 ...	1	1	
1D42(C) EPA TIER IV	Serial No. 133 11 ...	1	1	
1D42 EPA TIER IV final-DOC	Serial No. 172 10 ...	1	1	
1D42C EPA TIER IV final	Serial No. 157 10 ...	1	1	
1D50 EPA TIER IV	Serial No. 109 20 ...	1	1	
1D50 EPA TIER IV final-DOC	Serial No. 173 10 ...	1	1	
1D81 EPA TIER IV final	Serial No. 073 27 ...	1	1	
1D81 EPA TIER IV final-DOC1500-1800	Serial No. 166 27 ...	1	1	
1D81 EPA TIER IV final-DOC1500-1800	Serial No. 171 27 ...	1	1	
1D81C EPA TIER IV final variable speed	Serial No. 160 27 ...	1	1	
1D81 Minimum load	Serial No. 316 27 ...	1	1	
1D90 EPA TIER IV final	Serial No. 108 20 ...	1	1	
1D90 EPA TIER IV final-DOC 1500-1800	Serial No. 167 20 ...	1	1	
1D90 EPA TIER IV final-DOC 1850-3000	Serial No. 169 20 ...	1	1	

Air ducting S, Z
 Luftführung S, Z
 Carter ventilation S, Z
 Conducción de aire S, Z
 Carter ventilatore S, Z

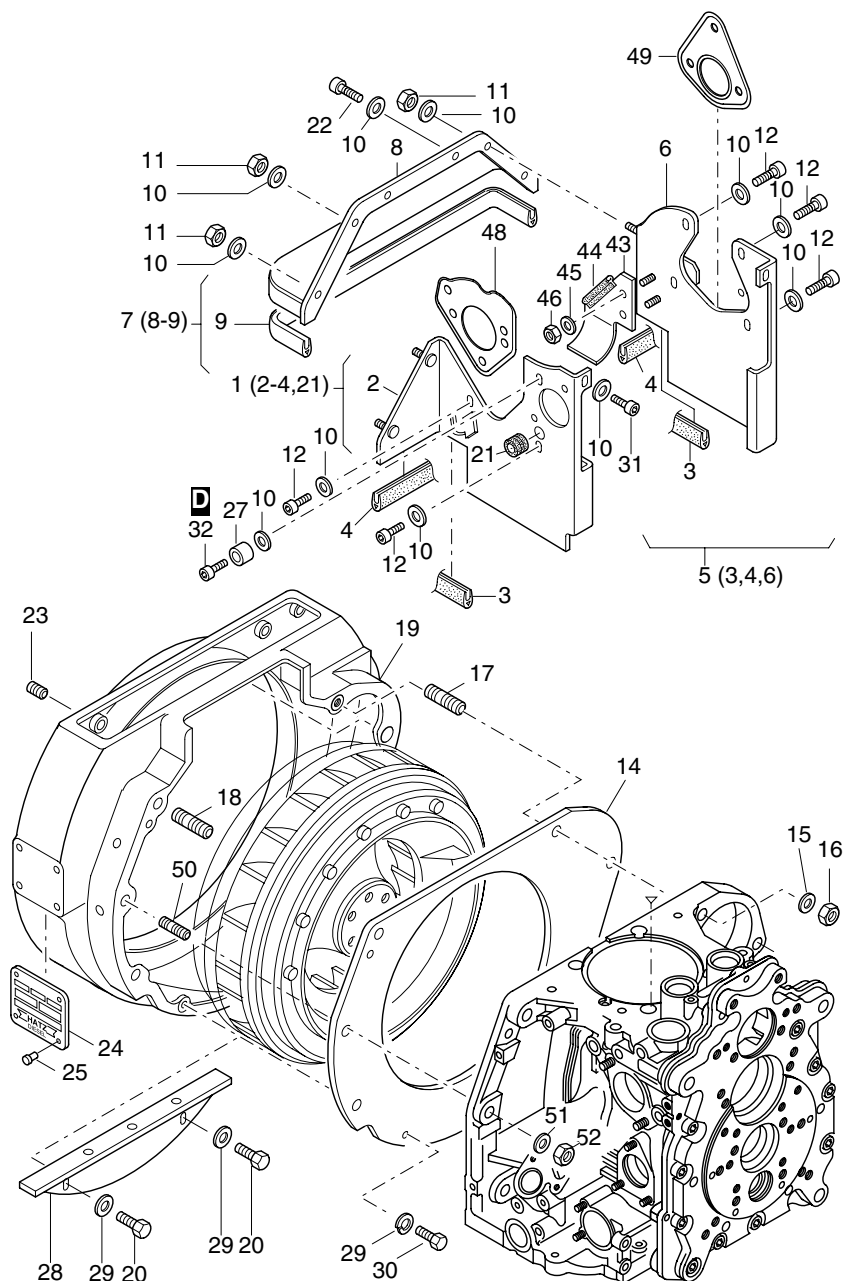


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 012 609 20	1	1	-	-	-		
1	0000 013 449 10	-	-	1	-	-		
1	0000 012 462 23	-	-	-	1	1		
2	-----	-	-	-	-	-		
3	0000 041 463 00	2	2	-	-	-		29 mm
3	0000 040 309 01	-	-	2	-	-		29 mm
3	0000 040 076 01	-	-	-	2	2		35 mm
4	0000 041 464 00	2	2	-	-	-		41 mm
4	0000 040 308 01	-	-	2	-	-		41 mm
4	0000 040 077 20	-	-	-	2	2		76 mm
5	0000 012 610 10	1	1	-	-	-		
5	0000 013 448 10	-	-	1	-	-		
5	0000 012 464 13	-	-	-	1	1		
6	-----	-	-	-	-	-		
7	0000 012 611 01	1	1	-	-	-		
7	0000 013 447 00	-	-	1	-	-		
7	0000 012 466 00	-	-	-	1	1		
8	-----	-	-	-	-	-		
9	0000 041 465 00	1	1	-	-	-		304 mm
9	0000 040 310 01	-	-	1	-	-		308 mm
9	0000 040 079 01	-	-	-	1	1		406 mm
10	0000 503 907 01	15	15	15	15	15		6 DIN 6796 - 6 - FST ZN
11	0000 501 444 00	4	4	4	4	4		M 6 DIN 934 - 8 A3C
12	0000 503 842 00	6	6	6	-	-		M 6x12 DIN 912-8.8 A3C Tuf.
12	0000 505 281 00	-	-	-	7	7		M6x16DIN912-8.8A3C KL360G
14	0000 040 311 00	1	1	-	-	-		
14	0000 041 365 01	-	-	1	-	-		
14	0000 040 085 00	-	-	-	1	1		s.Grp Z05a Pos.18
15	0000 500 937 00	2	2	2	2	2		13 DIN 125-St A3C
16	0000 500 936 00	2	2	2	2	2		M12 DIN 934-8 A3C
17	0000 504 750 00	2	2	2	2	2		M 12 x 40 DIN 835-8.8 A3C
18	0000 500 409 00	3	3	3	-	-		M 10 x 35 DIN 835 - 8.8
18	0000 504 750 00	-	-	-	4	4		M 12 x 40 DIN 835-8.8 A3C
19	0000 016 889 00	1	1	-	-	-		SAE 6
19	0000 016 890 00	-	-	1	-	-		SAE 5
19	0000 016 891 00	-	-	-	1	1		SAE 5
20	0000 503 335 00	-	-	-	0...2	0...2		M 6 x 8 DIN 933-8.8 A3C
21	0000 503 348 00	1	1	1	1	1		
22	0000 504 168 00	2	2	2	2	2		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
23	0000 502 260 00	2	2	4	4	4		M 8 X 6 DIN 913-45H TU.FLEC
24	-----	-	-	-	-	-		
25	0000 400 025 00	4	4	4	4	4		2,4
27	0000 039 364 00	1	1	1	-	-		6,2 x 8 x 5,5
28	0000 040 804 10	-	-	-	0...1	0...1		
29	0000 501 709 00	2	2	2	2...4	2...4		6 DIN 128 - A3C
30	0000 501 771 00	2	2	2	2	2		M 6 x 16 DIN 933-8.8 A3C
31	0000 504 168 00	2	2	2	2	2		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
32	0000 504 742 00	1	1	1	-	-		M6x16 DIN912-8.8 A3C Tuf.360
43	0000 013 098 00	-	1	1	-	-		

M26a

Air ducting S, Z
Luftführung S, Z
Carter ventilation S, Z
Conducción de aire S, Z
Carter ventilatore S, Z

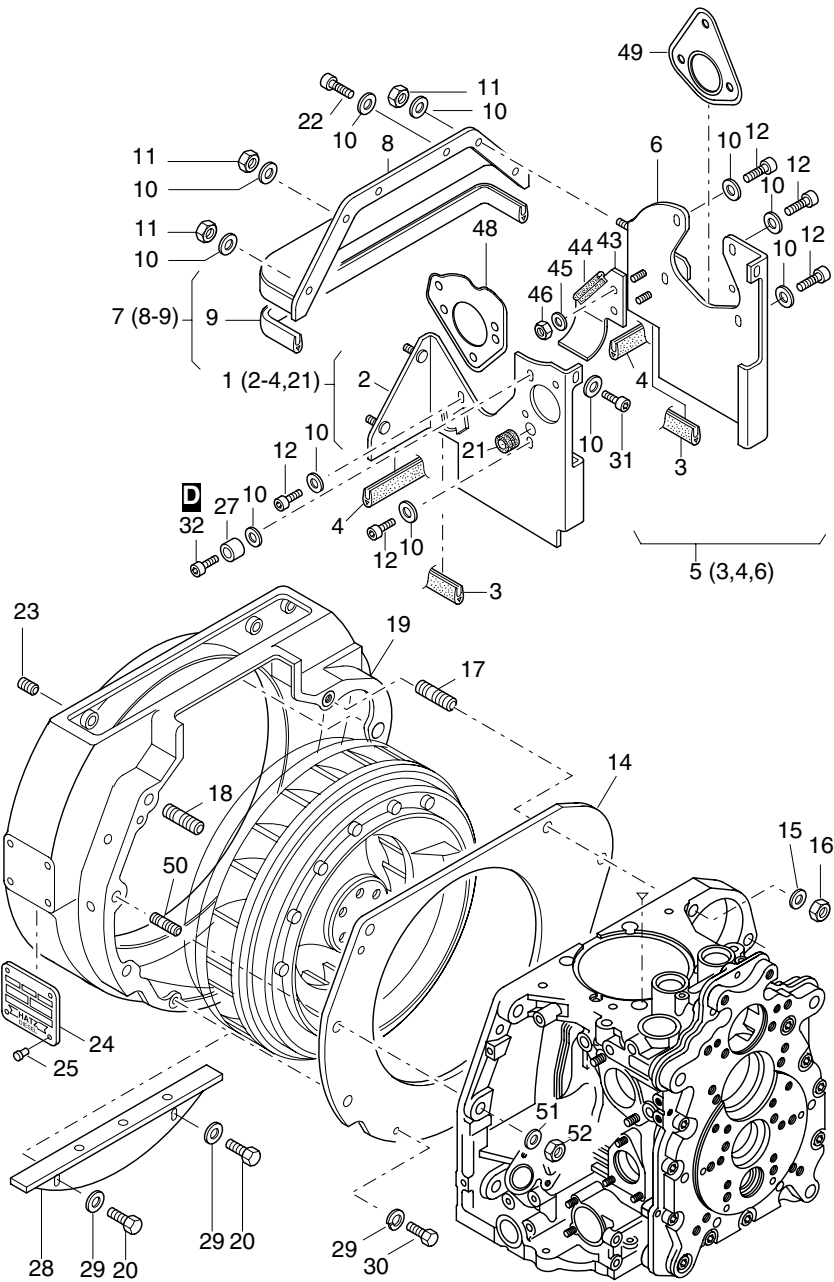


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
43	0000 012 680 10	-	-	-	1	1		
44	0000 040 855 00	-	1	1	-	-		60 mm
44	0000 040 388 00	-	-	-	1	1		94 mm
45	0000 501 200 00	-	2	2	2	2		A 6,4 DIN 9021-St A3C
46	0000 503 283 00	-	2	2	2	2		VM 6 DIN 980-8 A3C
48	0000 042 125 00	1	1	1	-	-		
48	0000 041 257 00	-	-	-	1	1		
49	0000 042 126 01	1	1	1	-	-		
49	0000 041 256 01	-	-	-	1	1		
50	0000 500 412 00	1	1	1	-	-		M 10 x 45 DIN 835 - 8.8
51	0000 501 459 00	4	4	4	-	-		10,5 DIN 125-St A3C
51	0000 500 937 00	-	-	-	4	4		13 DIN 125-St A3C
52	0000 501 458 00	4	4	4	-	-		M10 DIN 934-8 A3C
52	0000 500 936 00	-	-	-	4	4		M12 DIN 934-8 A3C

M26b

Air ducting C
Luftführung C
Carter ventilation C
Conducción de aire C
Carter ventilatore C

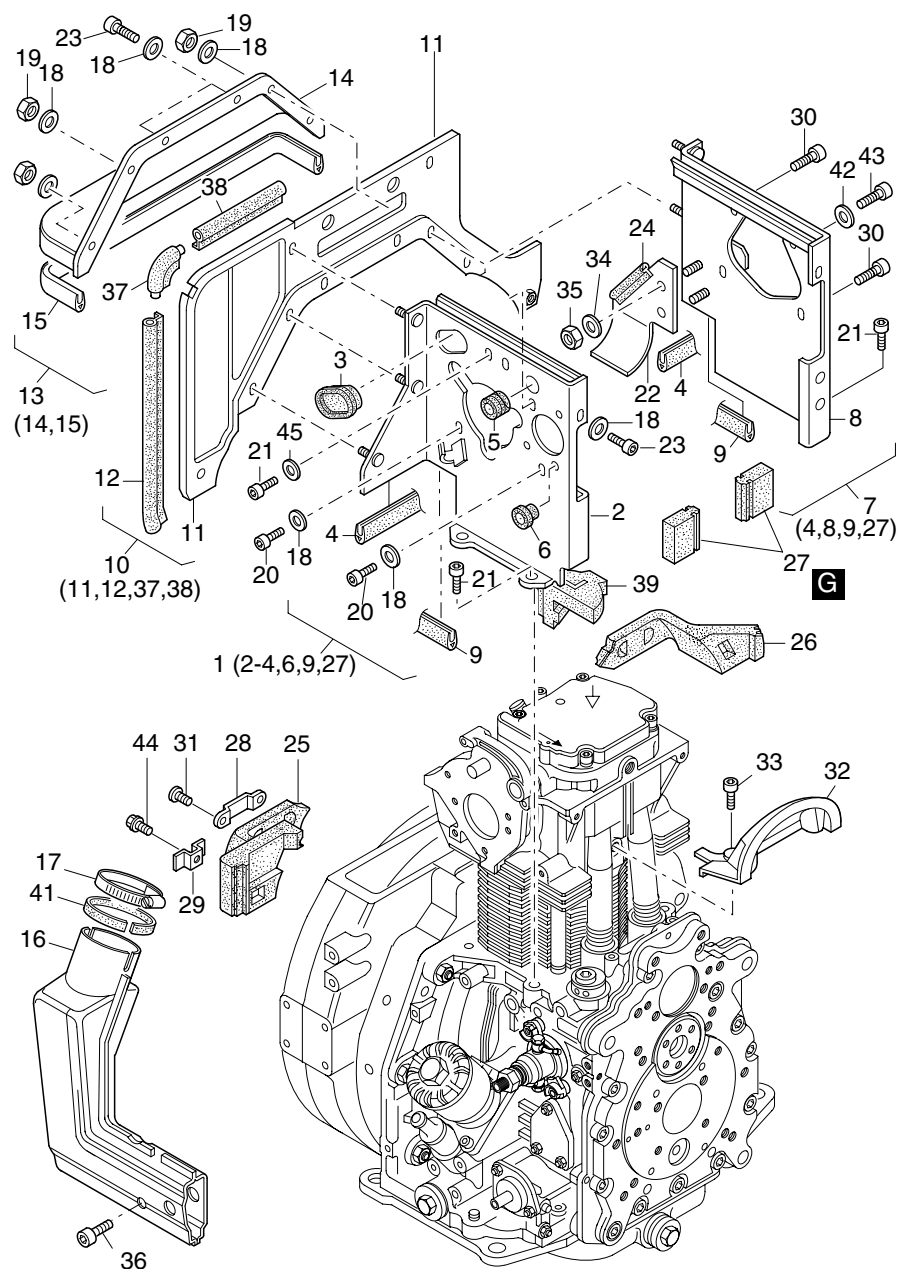


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41C	1D42C	1D81C	1D90C		
1	0000 012 908 10	1	1	-	-		
1	0000 012 790 11	-	-	1	1		
2	-----	-	-	-	-		
3	0000 040 786 00	1	1	-	-		
3	0000 040 553 00	-	-	1	1		
4	0000 040 308 01	2	2	-	-		41 mm
4	0000 040 077 20	-	-	2	2		76 mm
5	0000 040 554 01	-	-	1	1		
6	0000 503 348 00	1	1	1	1		
7	0000 012 907 10	1	1	-	-		
7	0000 012 789 21	-	-	1	1		
8	-----	-	-	-	-		
9	0000 040 309 01	2	2	-	-		29 mm
9	0000 040 076 01	-	-	2	2		35 mm
10	0000 012 906 00	1	1	-	-		
10	0000 012 787 10	-	-	1	1		
11	-----	-	-	-	-		
12	0000 040 669 00	1	1	1	1		228 mm
13	0000 012 904 01	1	1	-	-		
13	0000 012 773 01	-	-	1	1		
14	-----	-	-	-	-		
15	0000 041 465 00	1	1	-	-		304 mm
15	0000 040 079 01	-	-	1	1		406 mm
16	0000 013 076 00	1	1	-	-		
16	0000 012 745 03	-	-	1	1		
17	0000 400 715 00	1	1	-	-		Ø 32 - 50
17	0000 503 399 00	-	-	1	1		Ø 40 - 60
18	0000 503 907 01	13	13	13	13		6 DIN 6796 - 6 - FST ZN
19	0000 501 444 00	4	4	4	4		M 6 DIN 934 - 8 A3C
20	0000 503 842 00	2	2	-	-		M 6x12 DIN 912-8.8 A3C Tuf.
20	0000 505 281 00	-	-	3	3		M6x16DIN6912-8.8A3C KL360G
21	0000 504 168 00	4	4	-	-		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
21	0000 505 366 00	-	-	5	5		M8X18 DIN912-8.8 A3C TUF360G
22	0000 013 098 00	1	1	-	-		
22	0000 012 680 10	-	-	1	1		
23	0000 504 168 00	4	4	4	4		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
24	0000 040 855 00	1	1	-	-		60 mm
24	0000 040 388 00	-	-	1	1		94 mm
25	0000 040 755 00	1	1	-	-		
25	0000 040 450 10	-	-	1	1		
26	0000 040 754 00	1	1	-	-		
26	0000 040 446 10	-	-	1	1		
27	0000 040 459 00	-	-	2	2		
28	0000 040 449 00	-	-	2	2		
29	0000 040 756 00	4	4	-	-		
29	0000 040 448 00	-	-	2	2		
30	0000 501 491 00	3	3	-	-		M 6 x 12 DIN 912-8.8A3C
30	0000 505 281 00	-	-	4	4		M6x16DIN6912-8.8A3C KL360G
31	0000 040 447 00	-	-	4	4		M 8 X 16

M26b

Air ducting C
Luftführung C
Carter ventilation C
Conducción de aire C
Carter ventilatore C

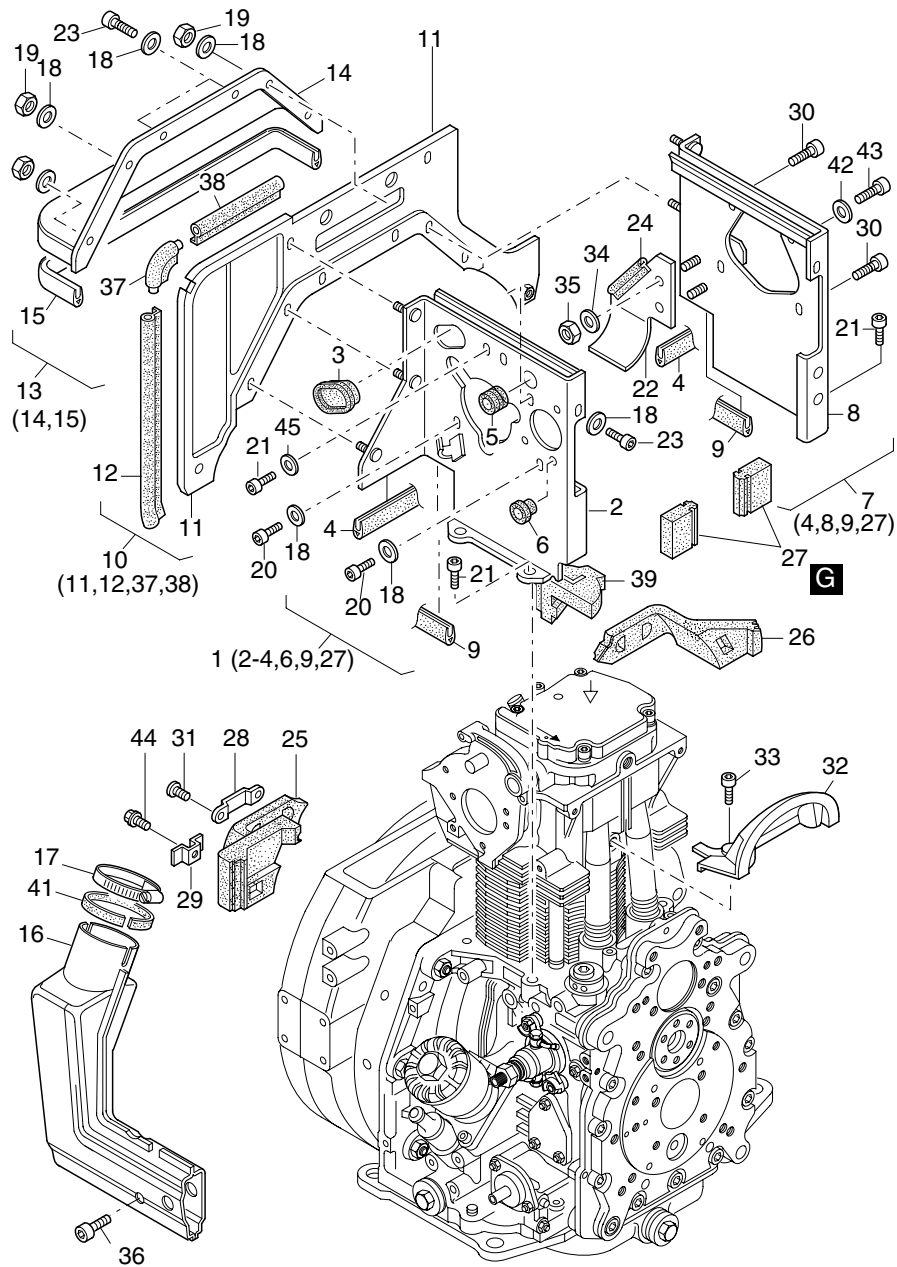


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41C	1D42C	1D81C	1D90C		
32	0000 024 335 00	-	-	1	1		
33	0000 503 356 00	-	-	2	2		M 6 x 16 KZ 1-8.8 A3D
34	0000 501 200 00	2	2	2	2		A 6,4 DIN 9021-St A3C
35	0000 503 283 00	2	2	2	2		VM 6 DIN 980-8 A3C
36	0000 501 706 00	1	1	1	1		M 6 x 20 DIN 912-8.8A3C
37	0000 040 664 00	1	1	1	1		
38	0000 040 749 00	1	1	-	-		100 mm
38	0000 040 667 00	-	-	1	1		104 mm
39	0000 040 796 00	1	1	-	-		
41	0000 040 891 00	1	1	-	-		13 x 1 x 148
41	0000 040 892 00	-	-	1	1		13 x 1 x 167
42	0000 501 709 00	1	1	-	-		6 DIN 128 - A3C
43	0000 503 842 00	1	1	-	-		M 6x12 DIN 912-8.8 A3C Tuf.
44	0000 506 062 00	4	4	2	2		M 6 x 12 KZ 1-8.8 A3D
45	0000 501 481 00	-	-	1	1		8,4 DIN 125-St A3C

M31, M32

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

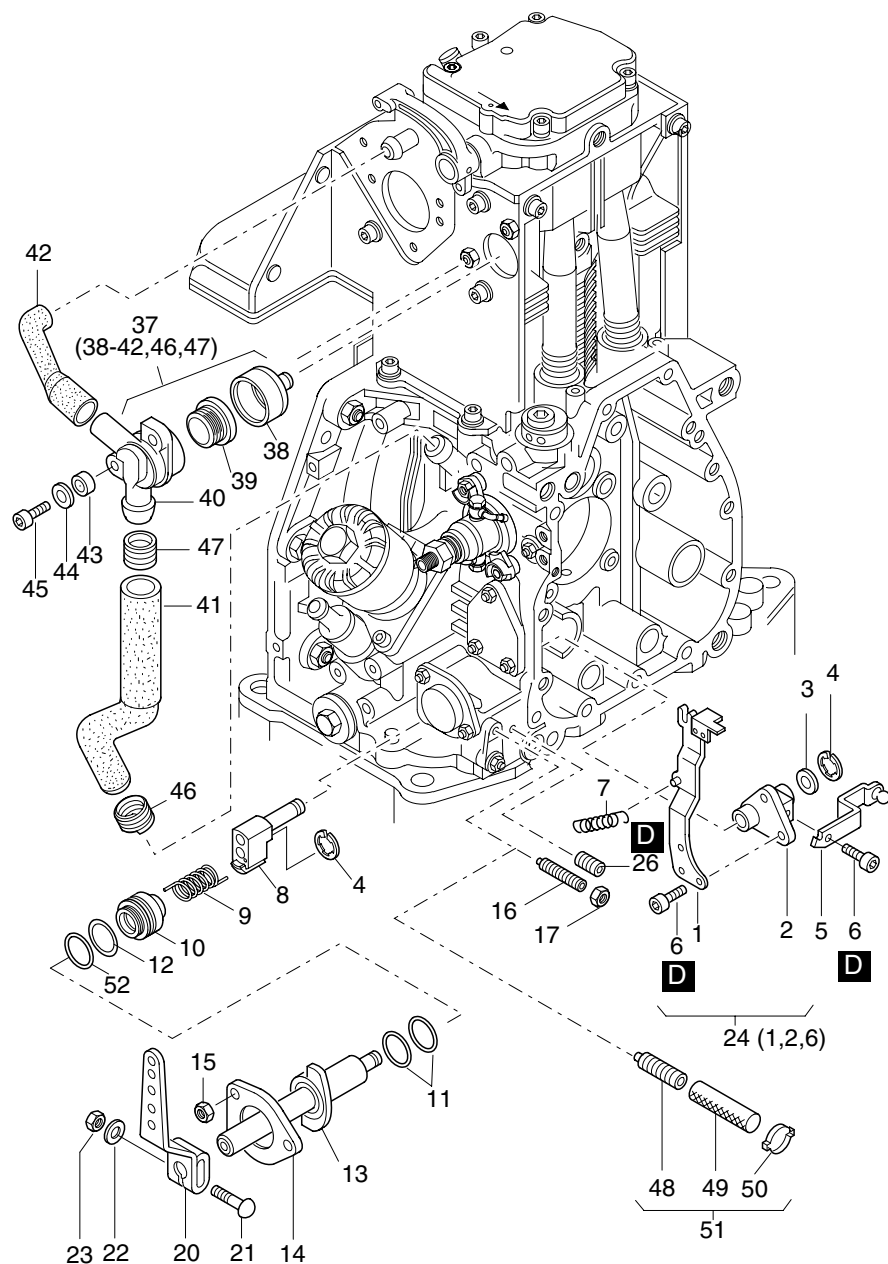


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	-----	-	-	-	-	-		
2	-----	-	-	-	-	-		
3	0000 040 001 00	1	1	1	1	1		
4	0000 502 661 00	2	2	2	2	2		6 DIN 6799
5	0000 040 375 00	1	1	1	1	1		
6	0000 503 287 01	4	4	4	4	4		M 5 X 8 DIN 912- 8.8TUF
7	0000 040 002 00	1	1	1	1	1		
8	0000 012 428 11	1	1	1	1	1		
9	0000 037 990 10	1	1	1	1	1		
10	0000 040 527 10	1	1	1	1	1		
11	0000 504 129 00	2	2	2	2	2	D2	18 x 2
12	0000 501 299 00	1	1	1	1	1	D1	32 x 2,5
13	0000 012 792 22	1	1	1	1	1		
13	0000 013 029 22	1	1	-	1	1		„C“
14	0000 037 992 10	1	1	1	1	1		
15	0000 503 283 00	3	3	3	3	3		VM 6 DIN 980-8 A3C
16	0000 505 078 01	2	2	2	2	2		M 6 X 45 DIN 915
17	0000 501 444 00	2	2	2	2	2		M 6 DIN 934 - 8 A3C
20	0000 038 883 00	1	1	1	1	1		
21	0000 039 273 01	1	1	1	1	1		M 6 x 32
22	0000 501 445 00	1	1	1	1	1		6,4 DIN 125-St A3C
23	0000 503 465 00	1	1	1	1	1		M 6 DIN 934 - 10 A2F
24	0000 012 468 03	1	1	1	1	1		
26	0000 504 035 00	1	1	1	1	1		M 8 X 20 DIN 914TUF360G
37	0000 013 081 01	1	1	1	-	-		
37	0000 013 170 00	-	-	-	1	1		
38	0000 040 803 00	1	1	1	1	1		
39	0000 035 687 00	1	1	1	1	1		
40	-----	-	-	-	-	-		
41	0000 040 838 00	1	1	1	-	-		
41	0000 040 747 00	-	-	-	1	1		
42	0000 040 748 00	1	1	1	1	1		
43	0000 040 805 00	2	2	2	2	2		7 x 8 x 8
44	0000 500 812 00	2	2	2	2	2		A 6 DIN 137 - A3C
45	0000 501 707 00	2	2	2	2	2		M 6 x 16 DIN 912-8.8A3C
46	0000 040 905 00	1	1	1	1	1		
47	0000 041 223 00	1	1	1	-	-		
48	0000 504 053 01	1	1	-	1	1		M 6 X 45 DIN 915 TUF180G „C“
49	0000 050 379 00	1	1	-	-	-		7 x 12 x 90 „C“
49	0000 050 380 00	-	-	-	1	1		7 x 12 x 120 „C“
50	0000 503 883 00	1	1	-	1	1		Ø 11 - 13 „C“
51	0000 014 740 00	1	1	-	-	-		„C“
51	0000 014 756 00	-	-	-	1	1		„C“
52	0000 504 536 00	1	1	1	1	1		32 x 45 x 2,5 A3C DIN 988

Low idle speed stabilization
Leerlaufdrehzahl-Regelung
Stabilisation du régime ralenti
Regulador de velocidades minima
Regolatore basso regime

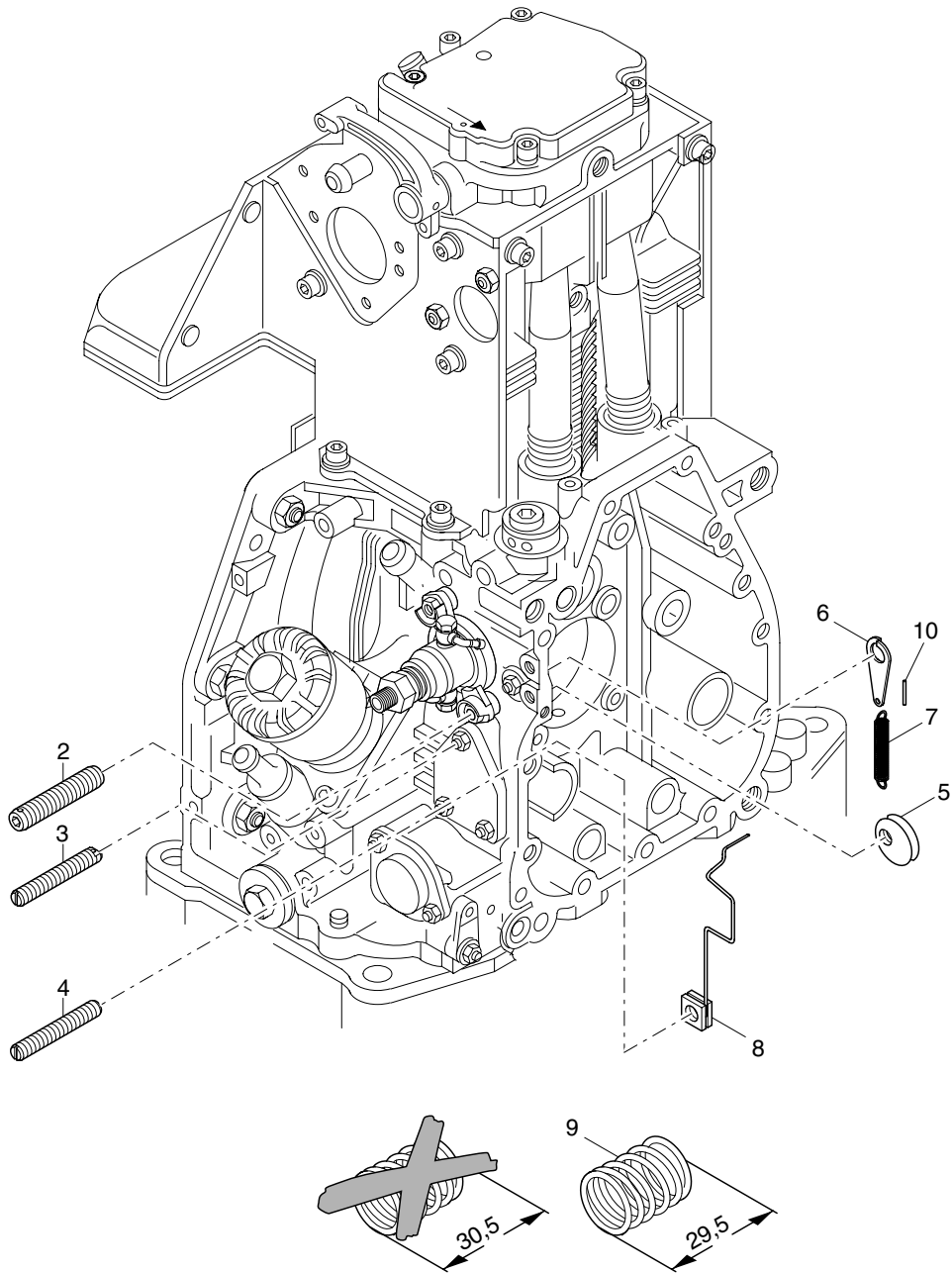


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
2	0000 041 746 00	1	1	1	1	1		M 8 x 47
3	0000 040 870 01	1	1	1	1	1		M 6 x 40
4	0000 504 123 00	1	1	1	1	1		M6x40DIN551-5.8 TUF360G
5	0000 040 871 00	1	1	1	1	1		
6	0000 040 869 00	1	1	1	1	1		
7	0000 040 002 00	1	1	1	1	1		
8	0000 013 105 01	1	1	1	1	1		
9	0000 050 397 00	1	1	1	1	1		ø 3,0 mm
10	0000 050 776 00	1	1	1	1	1		10mm

M35a

Capsule C
Kapsel C
Capsule C
Cápsula C
Confanatura silenziosa C

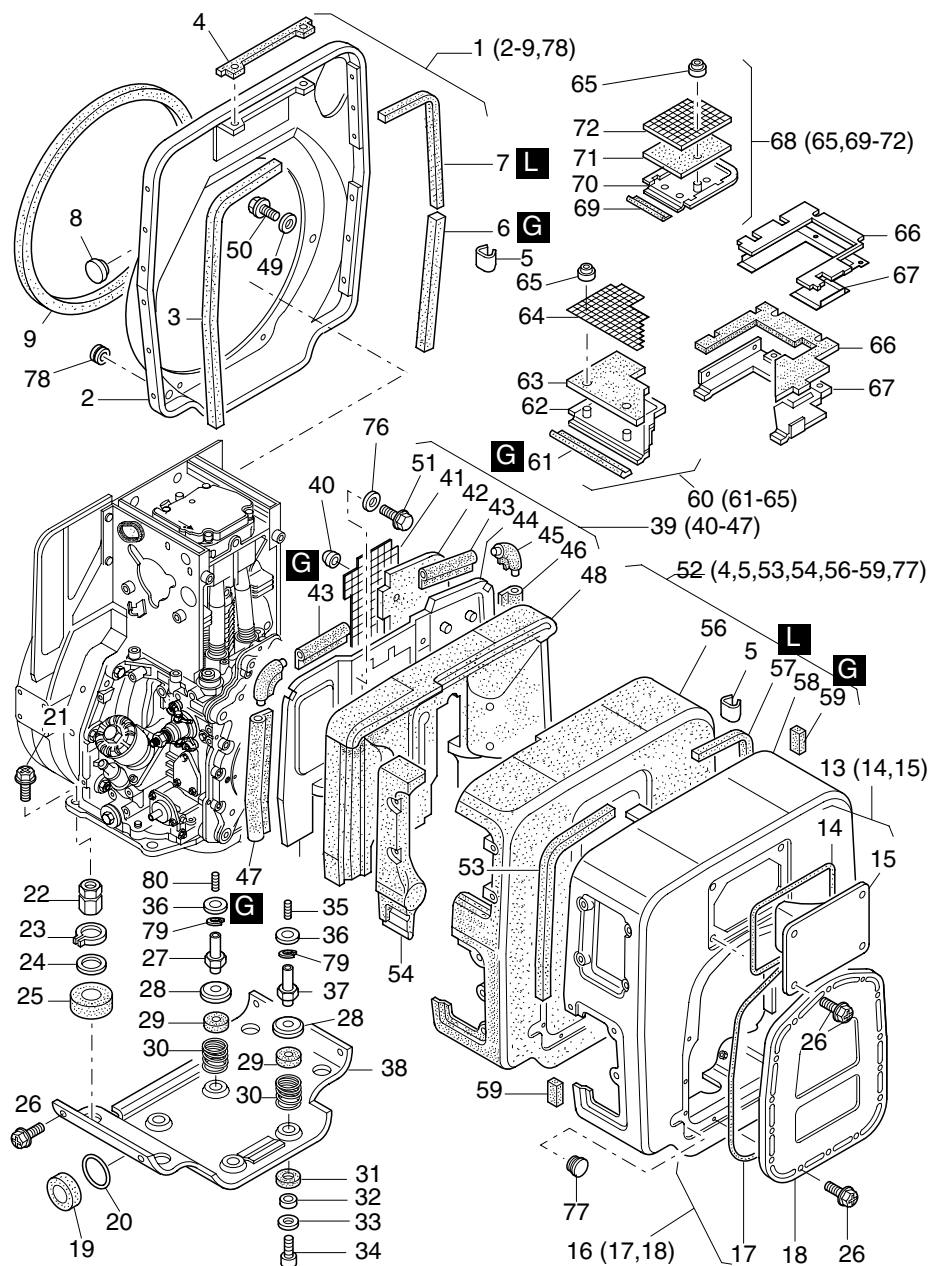


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen		
		1D41C	1D42C	1D81C	1D90C	
1	0000 012 891 00	1	1	-	-	
1	0000 012 763 10	-	-	1	1	
2	-----	-	-	-	-	
3	0000 040 806 00	1	1	-	-	8 x 8 x 530 mm Silikon
3	0000 040 861 00	-	-	1	1	610 mm
4	0000 040 738 00	2	2	2	2	
5	0000 040 841 00	8	8	8	8	
6	0000 040 860 00	-	-	1	1	200 mm
7	0000 040 810 00	1	1	-	-	8 x 8 x 530 mm
7	0000 040 735 00	-	-	1	1	410 mm
8	0000 503 955 00	1	1	1	1	PHT 17, 6/20
9	0000 040 455 01	1	1	-	-	1040 mm
9	0000 040 495 00	-	-	1	1	1170 mm
13	0000 012 895 00	1	1	-	-	
13	0000 012 766 00	-	-	1	1	
14	0000 040 491 00	1	1	1	1	
15	-----	-	-	-	-	
16	0000 012 894 01	0... 1	0... 1	-	-	
16	0000 012 767 00	-	-	0... 1	0... 1	
16	0000 014 744 01	0... 1	0... 1	-	-	Handstart, demarr. man.
16	0000 014 642 00	-	-	0... 1	0... 1	Handstart, demarr. man.
16	0000 015 186 00	-	-	0... 1	0... 1	f. Welle 4, shaft 4
16	0000 014 321 00	-	-	0... 1	0... 1	Hydr. pump
17	0000 040 809 00	1	1	-	-	3,0 x 1045
17	0000 040 490 00	-	-	1	1	
18	-----	-	-	-	-	
19	0000 037 553 00	1	1	-	-	46/16
19	0000 035 795 00	-	-	1	1	46/22
20	0000 035 923 01	1	1	1	1	26,1 x 38 x 1
21	0000 503 866 00	4	4	4	4	M 10 x 20 A3C
22	0000 039 937 00	4	4	4	4	M10 x 27,5
23	0000 500 204 00	4	4	4	4	A 24 x 1,2 DIN 471
24	0000 035 923 01	4	4	4	4	26,1 x 38 x 1
25	0000 037 553 00	4	4	4	4	46/16
26	0000 506 062 00	24	23	57	57	M 6 x 12 KZ 1-8.8 A3D
27	0000 040 774 00	2	2	-	-	
27	0000 040 475 10	-	-	2	2	
28	0000 040 421 00	4	4	4	4	
29	0000 040 419 00	4	4	4	4	
30	0000 040 422 00	4	4	4	4	
31	0000 040 418 00	4	4	4	4	
32	0000 040 417 00	4	4	4	4	7 x 12 x 11
33	0000 040 420 00	4	4	4	4	6,5 x 22,5 x 1
34	0000 501 706 00	4	4	4	4	M 6 x 20 DIN 912-8.8A3C
35	0000 504 343 00	2	2	-	-	M 6 x 20 DIN 939-8.8
35	0000 501 392 01	-	-	2	2	M6 x 16 DIN 939-8.8 A3C
36	0000 501 445 00	4	4	4	4	6,4 DIN 125-St A3C
37	0000 040 774 00	2	2	-	-	
37	0000 040 416 10	-	-	2	2	
38	0000 013 037 00	1	1	-	-	
38	0000 012 705 10	-	-	1	1	
39	0000 013 063 00	1	1	-	-	

M35a

Capsule C
Kapsel C
Capsule C
Cápsula C
Confanatura silenziosa C

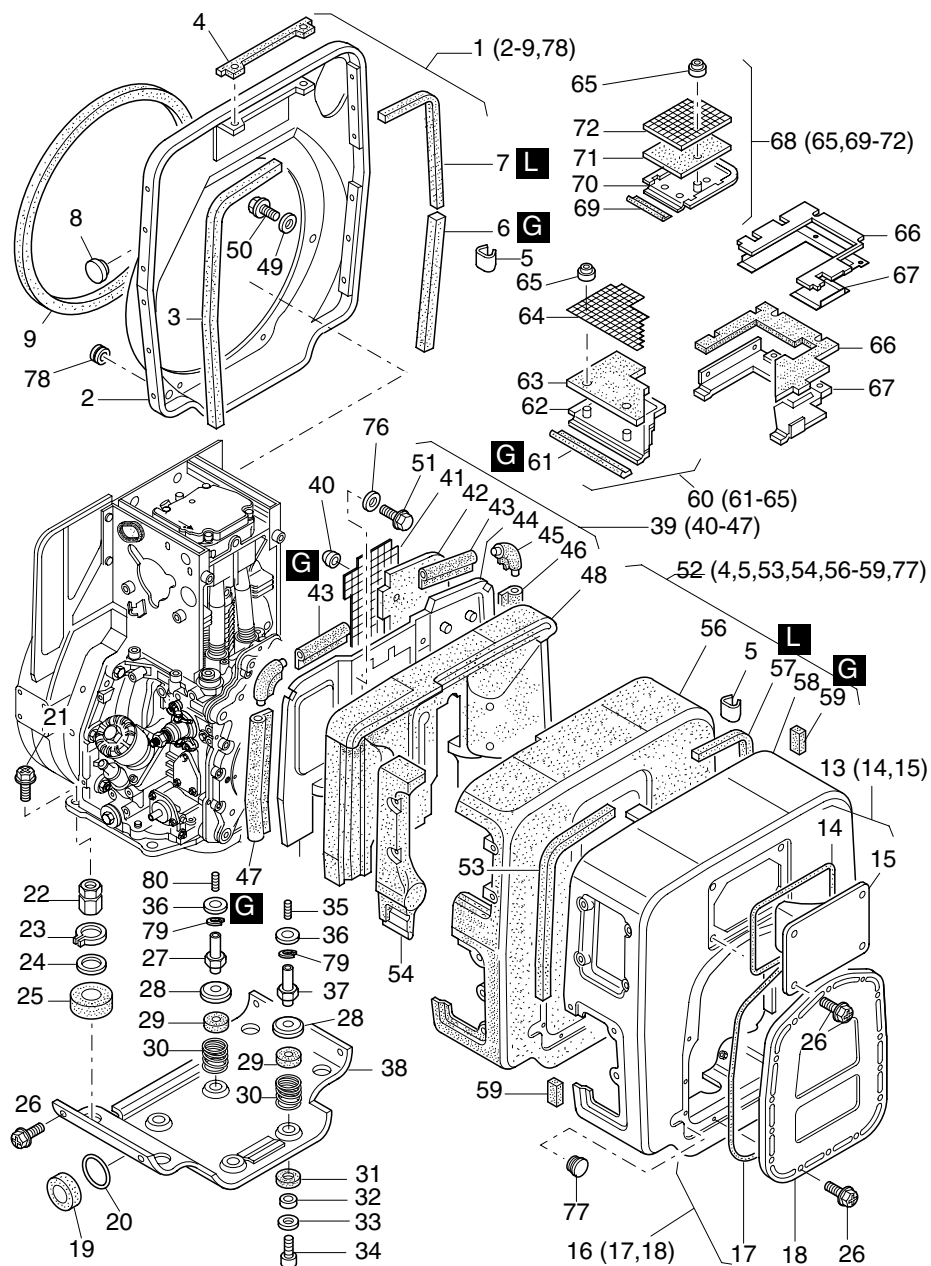


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41C	1D42C	1D81C	1D90C		
39	0000 012 748 20	-	-	1	1		
40	0000 503 885 00	4	4	4	4		4,5
41	0000 040 781 00	1	1	-	-		
41	0000 040 666 00	-	-	1	1		
42	0000 040 780 00	1	1	-	-		
42	0000 040 467 10	-	-	1	1		
43	0000 040 749 00	2	2	-	-		100 mm
43	0000 040 667 00	-	-	2	2		104 mm
44	-----	-	-	-	-		
45	0000 040 664 00	2	2	2	2		
46	0000 040 750 00	1	1	-	-		180 mm
46	0000 040 669 00	-	-	1	1		228 mm
47	0000 040 669 00	1	1	-	-		228 mm
47	0000 040 670 00	-	-	1	1		280 mm
48	0000 013 065 00	1	1	-	-		
48	0000 012 794 20	-	-	1	1		
49	0000 501 445 00	6	6	6	6		6,4 DIN 125-St A3C
50	0000 502 748 00	6	6	6	6		M 6 x 6 DIN 933-8.8 A3C
51	0000 503 356 00	2	2	-	-		M 6 x 16 KZ 1-8.8 A3D
51	0000 500 507 00	-	-	2	2		M 6 x 16 DIN 912-8.8
52	0000 012 893 00	1	1	-	-		
52	0000 012 765 20	-	-	1	1		
53	0000 040 816 00	1	1	-	-		8 x 8 x 360 mm
53	0000 040 858 00	-	-	1	1		8 x 8 x 410 mm
54	0000 040 472 10	-	-	1	1		
56	0000 013 053 00	1	1	-	-		
56	0000 012 726 10	-	-	1	1		
57	0000 040 807 00	1	1	-	-		8 x 8 x 360
57	0000 040 735 00	-	-	1	1		410 mm
58	-----	-	-	-	-		
59	0000 040 817 00	2	2	-	-		8 x 8 x 25 mm
59	0000 040 859 00	-	-	1	1		40 mm
60	0000 012 750 11	-	-	1	1		
61	0000 040 494 00	-	-	1	1		186 mm
62	-----	-	-	-	-		
63	0000 040 820 00	-	-	1	1		
64	0000 040 819 00	-	-	1	1		
65	0000 503 885 00	-	-	4	4		4,5
66	0000 040 777 10	1	1	-	-		
66	0000 040 821 00	-	-	1	1		
67	0000 040 826 00	1	1	-	-		
67	0000 040 814 00	-	-	1	1		
68	0000 012 892 00	1	1	-	-		
69	0000 040 832 00	1	1	-	-		97 mm
70	-----	-	-	-	-		
71	0000 040 828 00	1	1	-	-		
72	0000 040 827 00	1	1	-	-		
76	0000 400 277 00	-	-	2	2		6
77	0000 501 608 00	1	1	1	1		F 5 14x10,7x7,5
78	0000 505 925 00	2	2	2	2		
79	0000 501 709 00	4	4	-	-		6 DIN 128 - A3C
80	0000 504 343 00	2	2	2	2		M 6 x 20 DIN 939-8.8

Capsule C
Kapsel C
Capsule C
Cápsula C
Confanatura silenziosa C

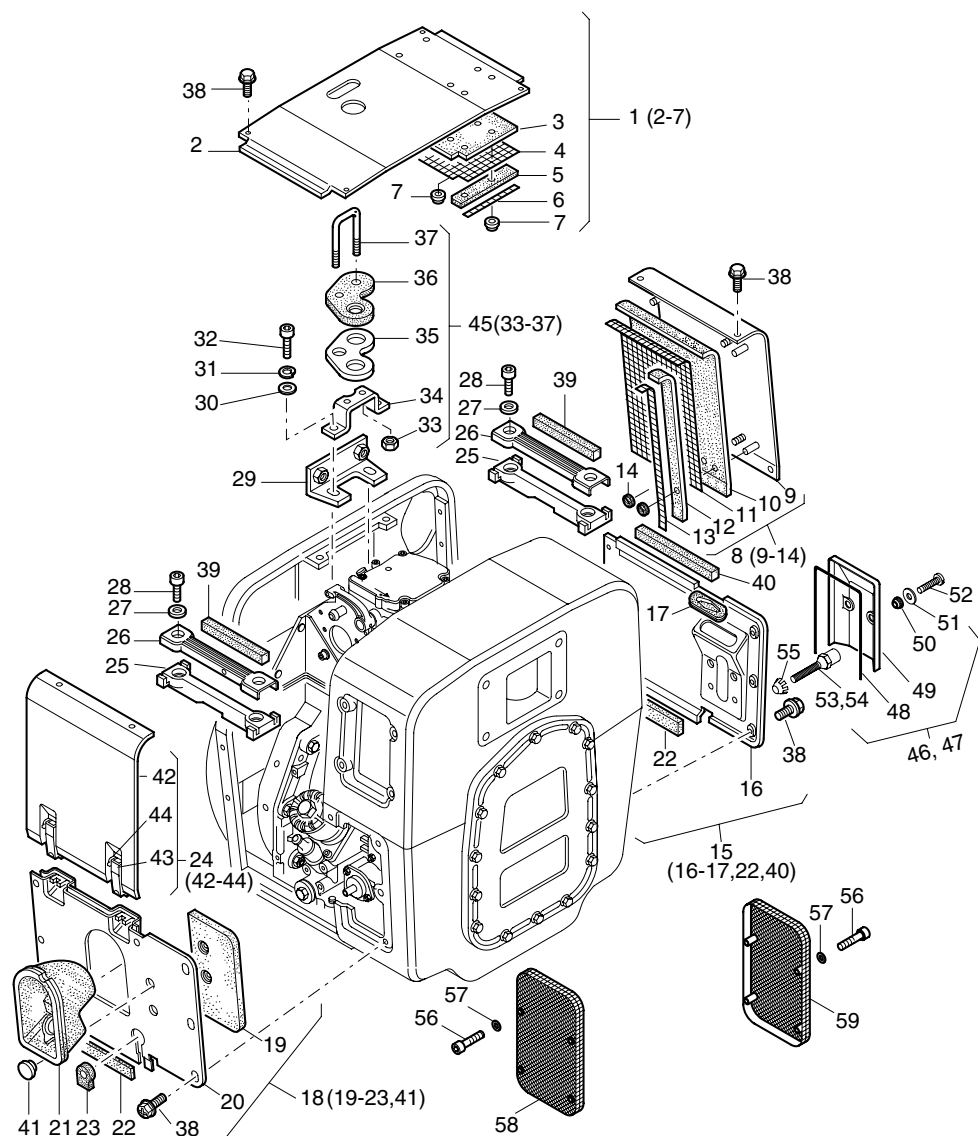


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41C	1D42C	1D81C	1D90C		
1	0000 013 055 00	1	1	-	-		
1	0000 012 749 10	-	-	1	1		
2	-----	-	-	-	-		
3	0000 040 760 00	1	1	-	-		
3	0000 040 468 10	-	-	1	1		
4	0000 040 763 00	1	1	1	1		
4	0000 040 676 00	-	-	1	1		
5	0000 040 761 00	1	1	-	-		
5	0000 040 677 00	-	-	1	1		
6	0000 040 762 00	1	1	-	-		
6	0000 040 660 00	-	-	1	1		
7	0000 503 885 00	6	6	6	6		4,5
8	0000 013 058 00	1	1	-	-		
8	0000 012 747 10	-	-	1	1		
9	-----	-	-	-	-		
10	0000 040 766 00	1	1	-	-		
10	0000 040 466 10	-	-	1	1		
11	0000 040 768 00	1	1	-	-		
11	0000 040 671 00	-	-	1	1		
12	0000 040 767 00	1	1	-	-		
12	0000 040 659 00	-	-	1	1		
13	0000 040 769 00	1	1	-	-		
13	0000 040 658 00	-	-	1	1		
14	0000 503 885 00	6	6	6	6		4,5
15	0000 012 900 00	1	1	-	-		
15	0000 012 770 10	-	-	1	1		
16	-----	-	-	-	-		
17	0000 039 931 00	1	1	1	1		
18	0000 012 898 00	1	1	-	-		
18	0000 012 769 10	-	-	1	1		
19	0000 040 876 00	1	1	-	-		
19	0000 040 740 00	-	-	1	1		
20	-----	-	-	-	-		
21	0000 040 765 00	1	1	-	-		
21	0000 040 470 10	-	-	1	1		
22	0000 040 865 00	1	1	-	-		13 x 1 x 182 mm
22	0000 040 497 00	-	-	2	2		13 x 1 x 195 mm
23	0000 040 847 00	1	1	-	-		
23	0000 040 846 00	-	-	1	1		
24	0000 012 897 00	1	1	-	-		
24	0000 012 710 10	-	-	1	1		
24	0000 020 159 00	1	1	-	-		Dekompr.-Automatik
24	0000 020 160 00	-	-	1	1		Dekompr.-Automatik
25	0000 040 773 00	2	2	-	-		
25	0000 040 679 00	-	-	2	2		
26	0000 013 061 00	2	2	-	-		
26	0000 013 004 00	-	-	2	2		
27	0000 500 812 00	4	4	4	4		A 6 DIN 137 - A3C
28	0000 501 330 00	4	4	4	4		M 6 x 12 DIN 6912-8.8

M35b

Capsule C
Kapsel C
Capsule C
Cápsula C
Confanatura silenziosa C

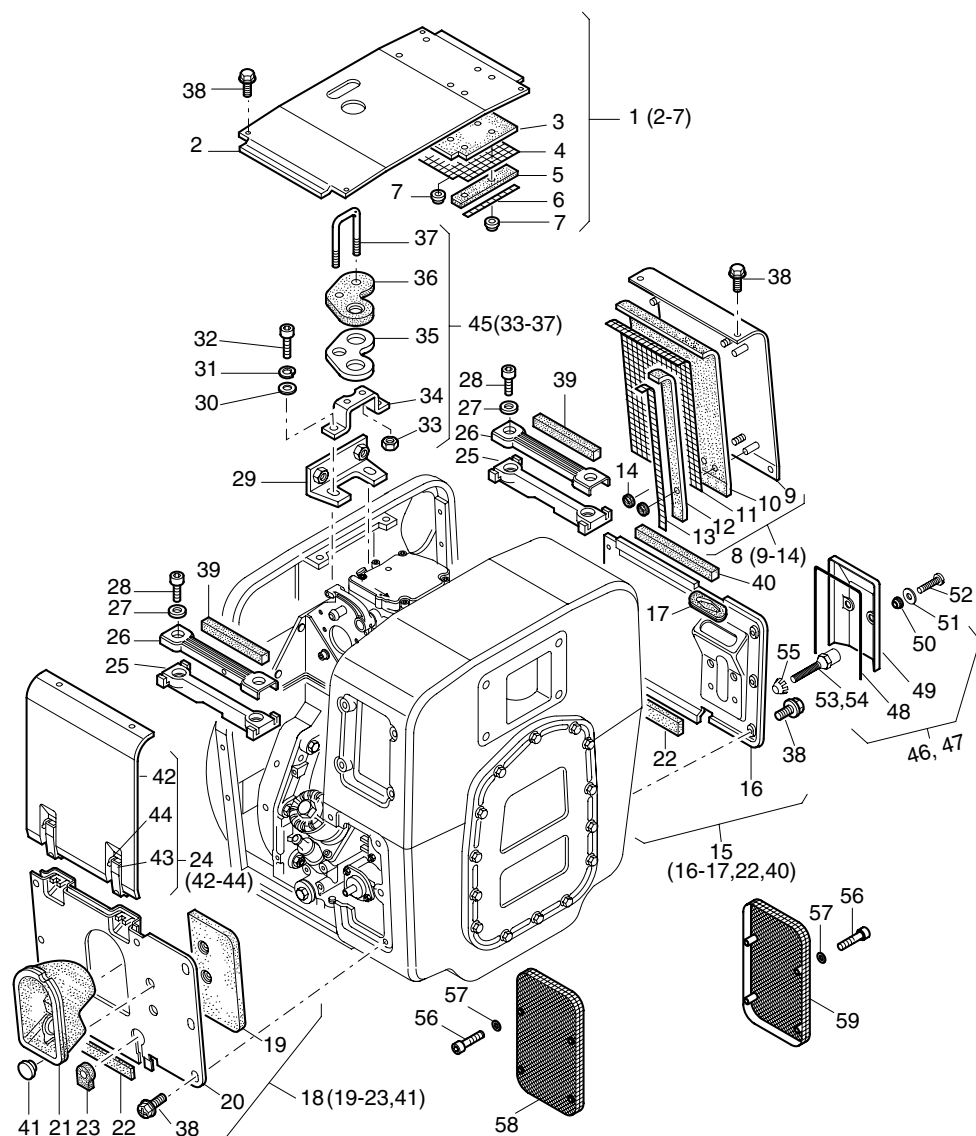


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41C	1D42C	1D81C	1D90C		
29	0000 013 078 00	1	1	-	-		
29	0000 012 827 10	-	-	1	1		
30	0000 501 481 00	2	2	2	2		8,4 DIN 125-St A3C
31	0000 503 473 01	2	2	2	2		VHZ 8 A4B
32	0000 501 759 00	2	2	2	2		M 8 X 30 DIN 912-8.8 A3C
33	0000 503 283 00	2	2	2	2		VM 6 DIN 980-8 A3C
34	0000 040 612 10	1	1	-	-		
34	0000 040 431 20	-	-	1	1		
35	-----	-	-	-	-		
36	0000 040 611 00	1	1	-	-		
36	0000 040 434 00	-	-	1	1		
37	-----	-	-	-	-		
38	0000 502 892 00	26	26	26	26		M 6 x 14 KZ 1-8.8 A3D
39	0000 040 772 00	2	2	-	-		8 x 8 x 122 mm
39	0000 040 737 00	-	-	2	2		8 x 8 x 134 mm
40	0000 040 800 00	1	1	-	-		8 x 8 x 160 mm
40	0000 040 736 00	-	-	1	1		170 mm
41	0000 503 955 00	2	2	2	2		PHT 17, 6/20
42	-----	-	-	-	-		
43	0000 503 932 00	2	2	2	2		
44	0000 503 961 00	4	4	4	4		2,5 x 8 DIN 660-St
45	0000 012 905 01	1	1	-	-		
45	0000 014 626 02	-	-	1	1		
46	0000 015 831 00	0... 1	0... 1	0... 1	0... 1		(ohne,without,sans Powerbox)
47	0000 017 531 00	0... 1	0... 1	0... 1	0... 1		(mit,with,avec Powerbox)
48	0000 050 362 00	1	1	1	1		409mm
49	-----	-	-	-	-		
50	0000 036 652 00	2	2	2	2		
51	0000 504 088 00	1	1	1	1		5,3 DIN 9021 - St A3C
52	0000 504 089 00	2	2	2	2		M 5 X 8 DIN 84-4.8 A3C
53	0000 050 358 00	0... 2	0... 2	0... 2	0... 2		
54	0000 051 739 00	0... 2	0... 2	0... 2	0... 2		
55	0000 504 087 00	2	2	2	2		V 5,3 DIN 6797-FST
56	0000 501 708 00	8	8	8	8		M 6 x 25 DIN 912-8.8A3C
57	0000 501 445 00	8	8	8	8		6,4 DIN 125-St A3C
58	0000 013 109 00	1	1	-	-		
58	0000 013 008 00	-	-	1	1		
59	0000 013 108 00	1	1	-	-		
59	0000 013 009 00	-	-	1	1		

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

67

Z01a

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

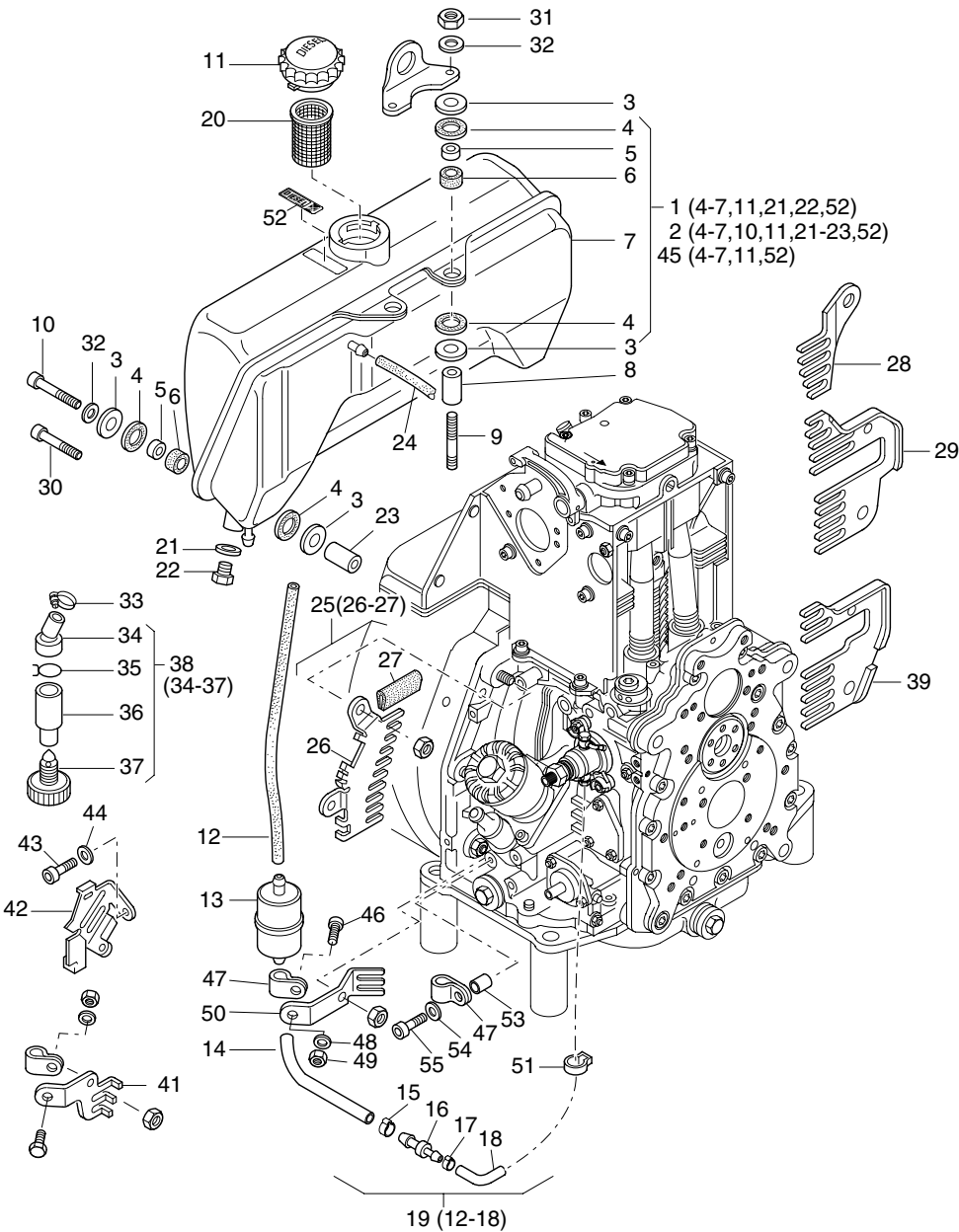


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
36	0000 050 439 02	1	1	1	1	1		
37	0000 504 148 00	1	1	1	1	1		M 10
38	0000 015 194 02	1	1	1	1	1		
39	0000 015 290 00	1	1	1	-	-		
41	0000 050 366 00	1	1	1	-	-		
42	0000 050 367 01	1	1	1	-	-		
43	0000 501 390 00	1	1	1	-	-		M 6 x 10 DIN 912-8.8C4P
44	0000 500 812 00	1	1	1	-	-		A 6 DIN 137 - A3C
45	0000 015 851 00	-	-	-	1	1		10 l
46	0000 501 771 00	1	1	1	1	1		M 6 x 16 DIN 933-8.8 A3C
47	0000 501 584 00	2	2	2	2	2		14 / 15
48	0000 501 445 00	1	1	1	1	1		6,4 DIN 125-St A3C
49	0000 501 444 00	1	1	1	1	1		M 6 DIN 934 - 8 A3C
50	0000 050 319 00	-	-	-	1	1		
51	0000 505 900 00	1	1	1	1	1		Ø 12,0
52	0000 052 356 02	1	1	1	1	1		„DIESEL“
53	0000 040 984 00	1	1	1	1	1		7 x 12 x 16,3
54	0000 501 709 00	1	1	1	1	1		6 DIN 128 - A3C
55	0000 503 239 00	1	1	1	1	1		M 6 x 30 DIN 912-8.8A3C

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

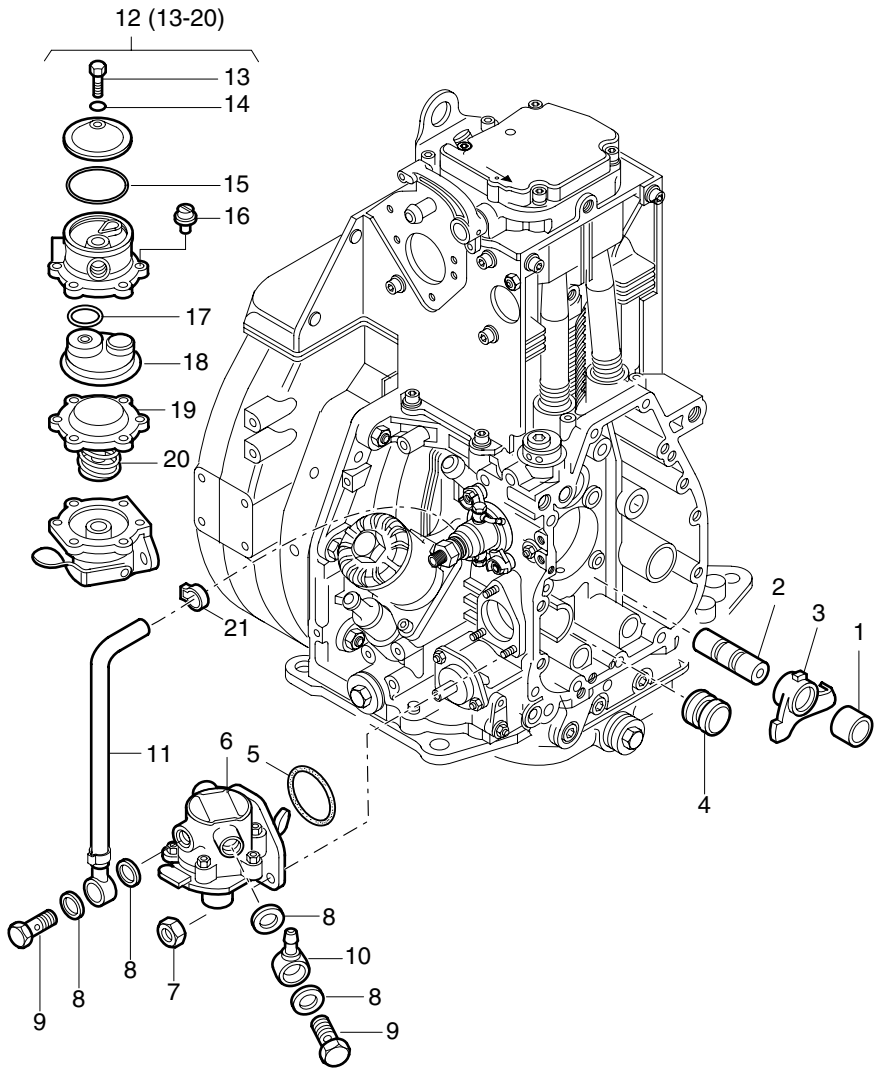


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 040 119 00	1	1	1	1	1		15x24x17 „S“
2	0000 037 964 01	1	1	1	1	1		„S“
3	0000 041 854 00	1	1	1	1	1		
4	0000 040 236 00	1	1	1	-	-		ø 25 mm „S“
4	0000 040 008 00	-	-	-	1	1		ø 22 mm „S“
5	0000 503 318 00	1	1	1	1	1		35 x 2,8
6	0000 053 015 00	1	1	1	1	1		
7	0000 503 283 00	3	3	3	3	3		VM 6 DIN 980-8 A3C
8	0000 500 012 00	4	4	4	4	4		A 14 x 18 DIN 7603-Cu
9	0000 500 064 00	2	2	2	2	2		10-3 DIN 7643
10	0000 500 159 00	1	1	1	1	1		NW 8 / 6
11	0000 014 688 12	1	1	1	1	1		
12	0000 490 625 01	1	1	1	1	1		Reparatursatz, repair kit
13	-----	-	-	-	-	-		
14	-----	-	-	-	-	-		
15	0000 503 995 00	1	1	1	1	1		37 x 2,5
16	-----	-	-	-	-	-		
17	-----	-	-	-	-	-		
18	-----	-	-	-	-	-		
19	-----	-	-	-	-	-		
20	-----	-	-	-	-	-		
21	0000 505 900 00	1	1	1	1	1		Ø 12,0

Air filter
Luftfilter
Filtre à air
Filtro de aire
Filtro aria

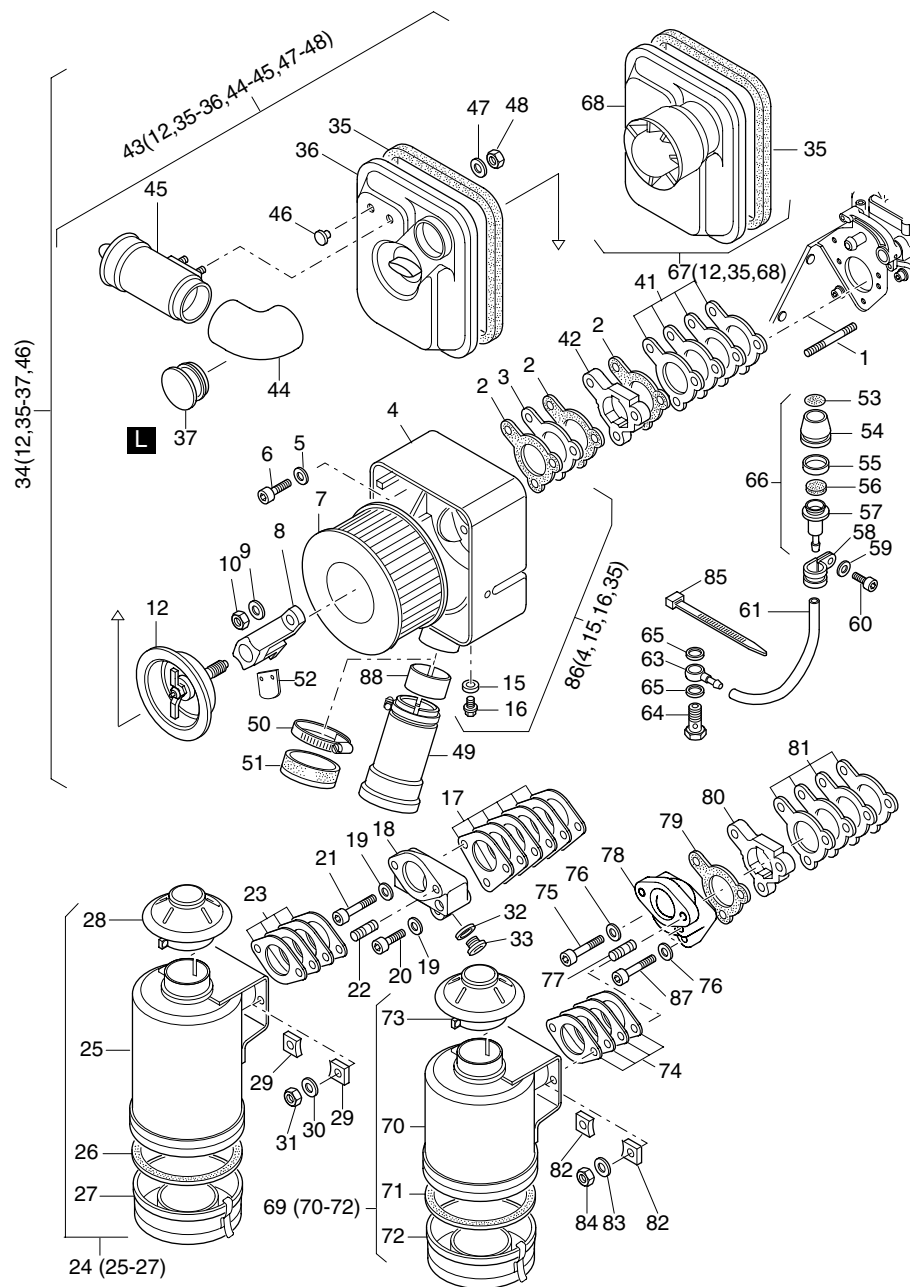


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 500 389 00	2	2	2	2	2		M 8 x 60 DIN 855-8.8
2	0000 040 298 00	3	3	3	-	-	d3	
2	0000 040 063 00	-	-	-	3	3	d3	
3	0000 040 297 01	1	1	1	-	-		
3	0000 040 062 00	-	-	-	1	1		
4	-----	-	-	-	-	-		
5	0000 500 951 00	1	1	1	1	1		A 8 DIN 137 A3C
6	0000 500 808 00	1	1	1	-	-		M 8 X 42 DIN 912-8.8
6	0000 503 984 00	-	-	-	1	1		M 8 X 45 DIN 6912-8.8 A3C
7	0000 040 301 00	1	1	1	-	-	W2	
7	0000 014 930 00	-	-	-	1	1	W2	
8	0000 014 909 01	1	1	1	-	-		
8	0000 014 834 01	-	-	-	1	1		
9	0000 501 481 00	2	2	2	2	2		8,4 DIN 125-St A3C
10	0000 501 295 00	2	2	2	2	2		M 8 DIN 985-8 A3C
12	0000 020 241 00	1	1	1	-	-		
12	0000 020 242 00	-	-	-	1	1		
15	0000 500 009 00	1	1	1	-	-		A 8 x 11,5 DIN 7603-Cu
15	0000 500 624 00	-	-	-	1	1		A 10 x 13,5 DIN 7603-Cu
16	0000 501 379 00	1	1	1	-	-		M 8 x 1 DIN 7604
16	0000 500 623 00	-	-	-	1	1		M 10 x 1 DIN 908-5.8 A3C
17	0000 012 802 01	-	-	-	1	1		
18	0000 039 872 10	-	-	-	1	1		
19	0000 500 951 00	-	-	-	3	3		A 8 DIN 137 A3C
20	0000 501 759 00	-	-	-	1	1		M 8 X 30 DIN 912-8.8 A3C
21	0000 502 888 00	-	-	-	2	2		M 8 X 55 DIN 912-8.8 A3C
22	0000 501 454 00	-	-	-	2	2		M 10 x 28 DIN 835-8.8 A3C
23	0000 011 587 00	-	-	-	1	1		
24	0000 010 785 01	-	-	-	1	1		
25	-----	-	-	-	-	-		
26	0000 490 380 00	-	-	-	1	1		
27	0000 490 566 00	-	-	-	1	1		
28	0000 400 367 00	-	-	-	1	1		ø 62 mm
29	0000 039 454 00	-	-	-	2	2		
30	0000 501 356 00	-	-	-	2	2		10 DIN 128 A3C
31	0000 501 458 00	-	-	-	2	2		M10 DIN 934-8 A3C
32	0000 500 016 00	-	-	-	1	1		A 22 x 27 DIN 7603 Cu
33	0000 501 404 00	-	-	-	1	1		AM22x1,5DIN7604-5.8A3C
34	0000 022 800 01	1	1	1	-	-		
34	0000 022 801 01	-	-	-	1	1		
35	0000 040 615 01	1	1	1	-	-		630 mm
35	0000 040 477 01	-	-	-	1	1		705 mm
36	-----	-	-	-	-	-		
37	0000 050 394 02	1	1	1	1	1		
41	0000 014 491 00	1	1	1	-	-		
41	0000 012 879 00	-	-	-	1	1		
42	0000 040 531 01	1	1	1	-	-		
42	0000 040 473 00	-	-	-	1	1		
43	0000 022 798 01	1	1	1	-	-		

Air filter
Luftfilter
Filtre à air
Filtro de aire
Filtro aria

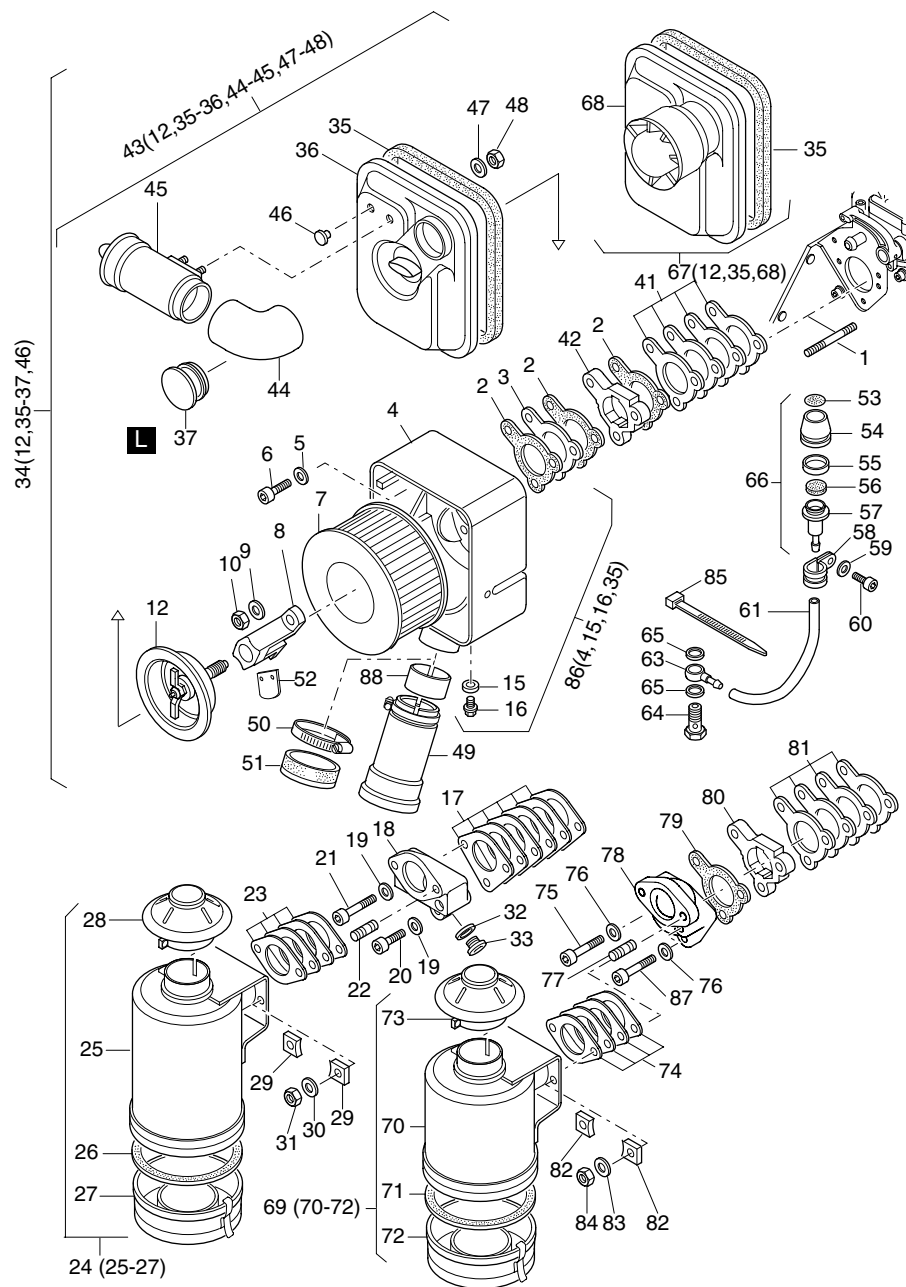


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
43	0000 022 799 01	-	-	-	1	1		
44	0000 050 389 11	1	1	1	1	1		
45	0000 014 910 10	1	1	1	1	1		
46	0000 504 119 00	2	2	2	2	2		F 2
47	0000 501 200 00	2	2	2	2	2		A 6,4 DIN 9021-St A3C
48	0000 506 024 00	2	2	2	2	2		M 6 DIN 982 - 8 A3B
49	0000 014 712 00	1	1	1	-	-		
49	0000 014 110 00	-	-	-	1	1		Ø 40 - 60
50	0000 504 066 00	1	1	1	1	1		
51	0000 014 814 00	1	1	1	-	-		
51	0000 005 759 00	-	-	-	1	1		„S - Z“ (f.Pos. 66)
52	0000 050 335 00	1	1	1	1	1		
53	0000 050 445 02	1	1	1	1	1		(grün, green, vert, verde)
54	0000 050 436 01	1	1	1	1	1		Filter, Filtre, Filtro ø 20 mm
55	0000 050 456 00	1	1	1	1	1		
56	0000 051 372 00	1	1	1	1	1		
57	0000 050 437 00	1	1	1	1	1		
58	0000 501 735 00	1	1	1	1	1		10 / 15
59	0000 501 709 00	1	1	1	1	1		6 DIN 128 - A3C
60	0000 501 706 00	1	1	1	1	1		M 6 x 20 DIN 912-8.8A3C
61	0000 053 355 00	1	1	1	-	-		3,5 x 200
61	0000 053 844 00	-	-	-	1	1		3,5 x 230
63	0000 500 157 00	1	1	1	-	-		NW 3
63	0000 501 595 00	-	-	-	1	1		NW 4 / 3
64	0000 500 061 00	1	1	1	-	-		4-5-3 DIN 7643
64	0000 500 062 00	-	-	-	1	1		6 - 3 DIN 7643
65	0000 500 009 00	2	2	2	-	-		A 8 x 11,5 DIN 7603-Cu
65	0000 500 624 00	-	-	-	2	2		A 10 x 13,5 DIN 7603-Cu
66	0000 014 998 02	1	1	1	1	1		
67	0000 022 796 01	1	1	1	-	-		
67	0000 022 797 01	-	-	-	1	1		
68	-----	-	-	-	-	-		
69	0000 016 471 00	1	1	1	-	-		
70	-----	-	-	-	-	-		
71	0000 490 380 00	1	1	1	-	-		
72	0000 490 379 00	1	1	1	-	-		
73	0000 400 404 00	1	1	1	-	-		
74	0000 016 514 01	1	1	1	-	-		
75	0000 503 929 00	2	2	2	-	-		M 8 X 50 DIN 912-8.8 A3C
76	0000 500 951 00	3	3	3	-	-		A 8 DIN 137 A3C
77	0000 501 454 00	2	2	2	-	-		M 10 x 28 DIN 835-8.8 A3C
78	0000 051 731 01	1	1	1	-	-		
79	0000 040 298 00	1	1	1	-	-	d3	
80	0000 040 531 01	1	1	1	-	-		
81	0000 014 491 00	1	1	1	-	-		
82	0000 039 454 00	2	2	2	-	-		
83	0000 501 356 00	2	2	2	-	-		10 DIN 128 A3C
84	0000 501 458 00	2	2	2	-	-		M10 DIN 934-8 A3C
85	0000 503 584 00	1	1	1	1	1		4,8 x 200 mm Black

Z02a

Air filter
Luftfilter
Filtre à air
Filtro de aire
Filtro aria

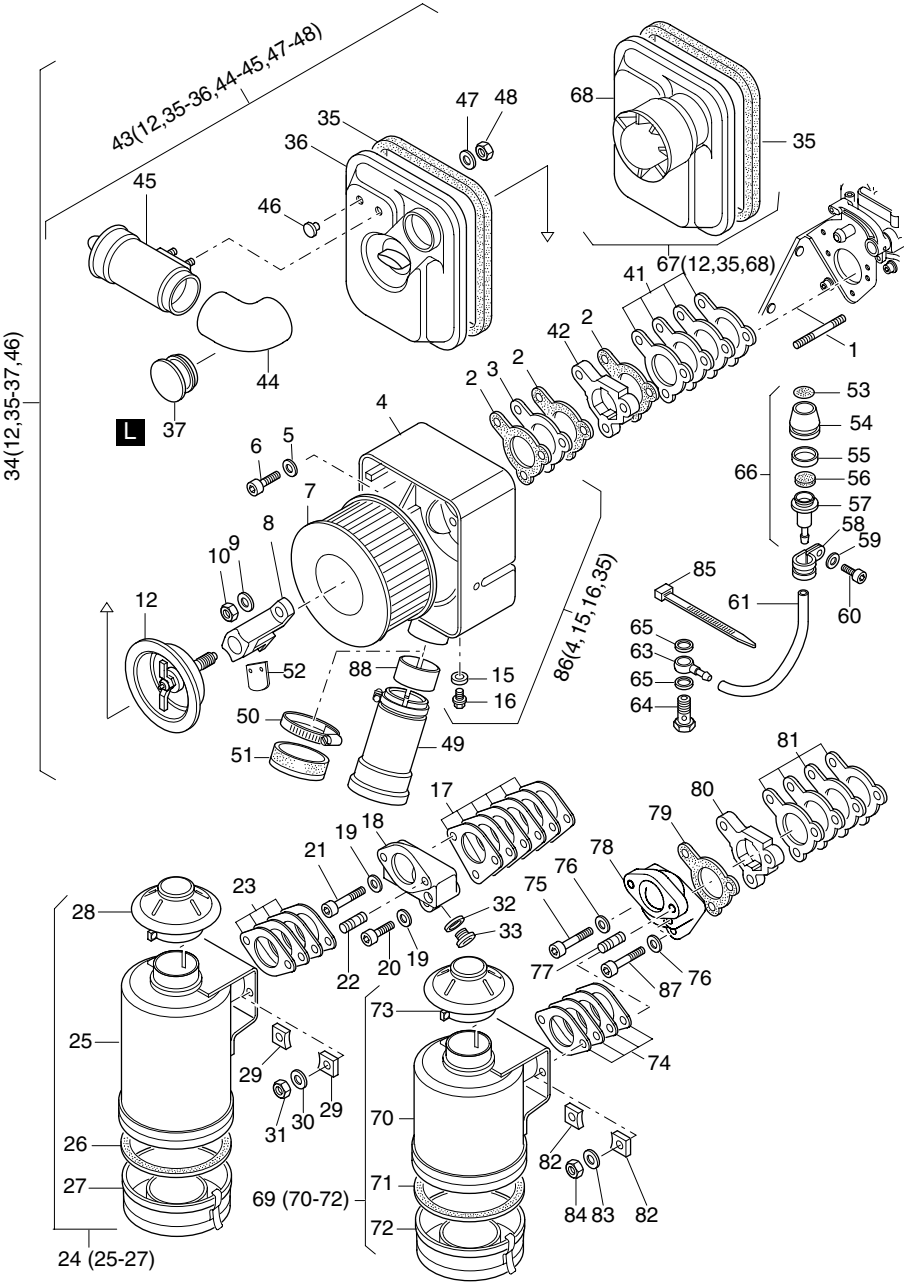


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
86	0000 014 983 01	1	1	1	-	-		
86	0000 014 866 01	-	-	-	1	1		s.Grp Z05c Pos 24/25
87	0000 501 772 00	1	1	1	-	-		M 8 X 80 DIN 912-8.8 A3C
88	0000 050 261 00	-	-	-	1	1		

Exhaust silencer S, Z
Abgasdämpfer S, Z
Silencieux S, Z
Silenciador S, Z
Scarico S, Z

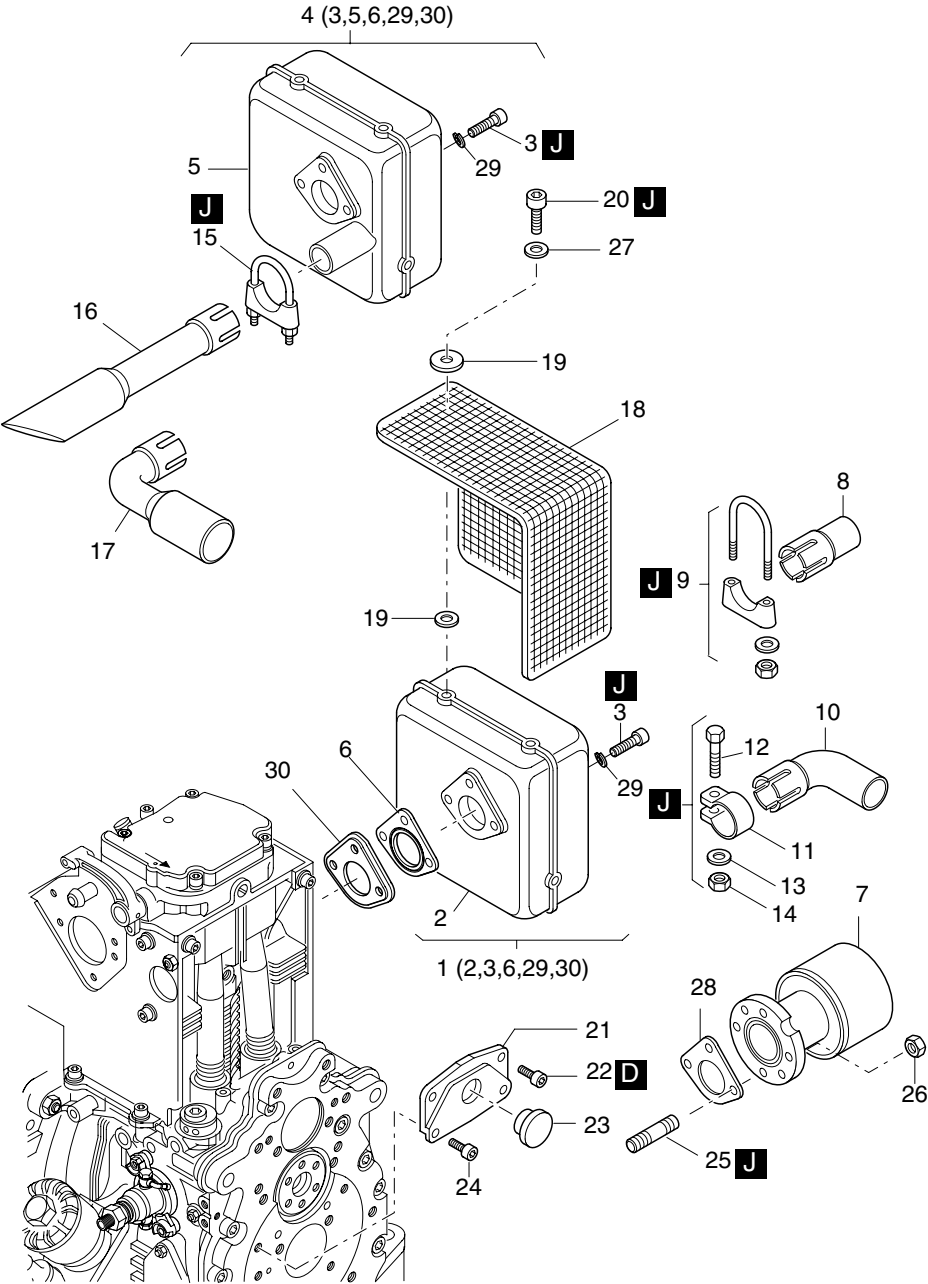


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1	0000 015 586 02	1		
1	0000 025 212 00	1		DOC
1	0000 014 988 03	1		
1	0000 025 046 00	1		DOC
2	-----	-		
3	0000 504 040 00	3		M 8 X 30 DIN 912-8.8 C4P
4	0000 015 077 02	1		
4	0000 025 213 00	1		DOC
4	0000 015 075 03	1		
4	0000 025 047 00	1		DOC
5	-----	-		
6	0000 039 742 00	1		d1
6	0000 039 743 00	1		d1
7	0000 015 009 01	1		
8	0000 039 983 00	1		
9	0000 008 731 00	1		40 / 42
10	0000 037 408 01	1		ø 38
10	0000 038 773 00	1		
11	0000 037 409 00	1		41,5 mm
11	0000 038 777 00	1		52,5 mm
12	0000 503 800 00	1		M 8 x 50 DIN 931-8.8 A3C
12	0000 502 495 00	1		M 10 x 50 DIN 931-8.8 A3C
13	0000 501 481 00	1		8,4 DIN 125-St A3C
13	0000 501 459 00	1		10,5 DIN 125-St A3C
14	0000 400 284 00	1		VM 8 DIN 980-8 C3A
14	0000 400 286 00	1		VM 10 DIN 980-8 C3A
15	0000 503 880 00	1		1/8-28
15	0000 503 881 00	1		3/8-36
16	0000 039 973 01	1		
16	0000 039 971 01	1		
17	0000 039 972 01	1		
17	0000 039 970 00	1		
18	0000 051 407 01	1		
18	0000 011 919 03	1		
19	0000 050 342 02	8		6,5 x 38
20	0000 502 557 00	4		M 6 x 12 DIN 912-8.8C4A
21	0000 039 853 00	1		
22	0000 501 357 00	2		M10 X 16 DIN 912-8.8 A3C
23	0000 400 914 00	1		F24
24	0000 501 654 00	2		M 8 X 16 DIN 912-8.8 A3C
25	0000 500 378 00	2		M 8 x 22 DIN 835-10.9
25	0000 500 373 00	-		M 8 x 18 DIN 835-10.9

Exhaust silencer S, Z
Abgasdämpfer S, Z
Silencieux S, Z
Silenciador S, Z
Scarico S, Z

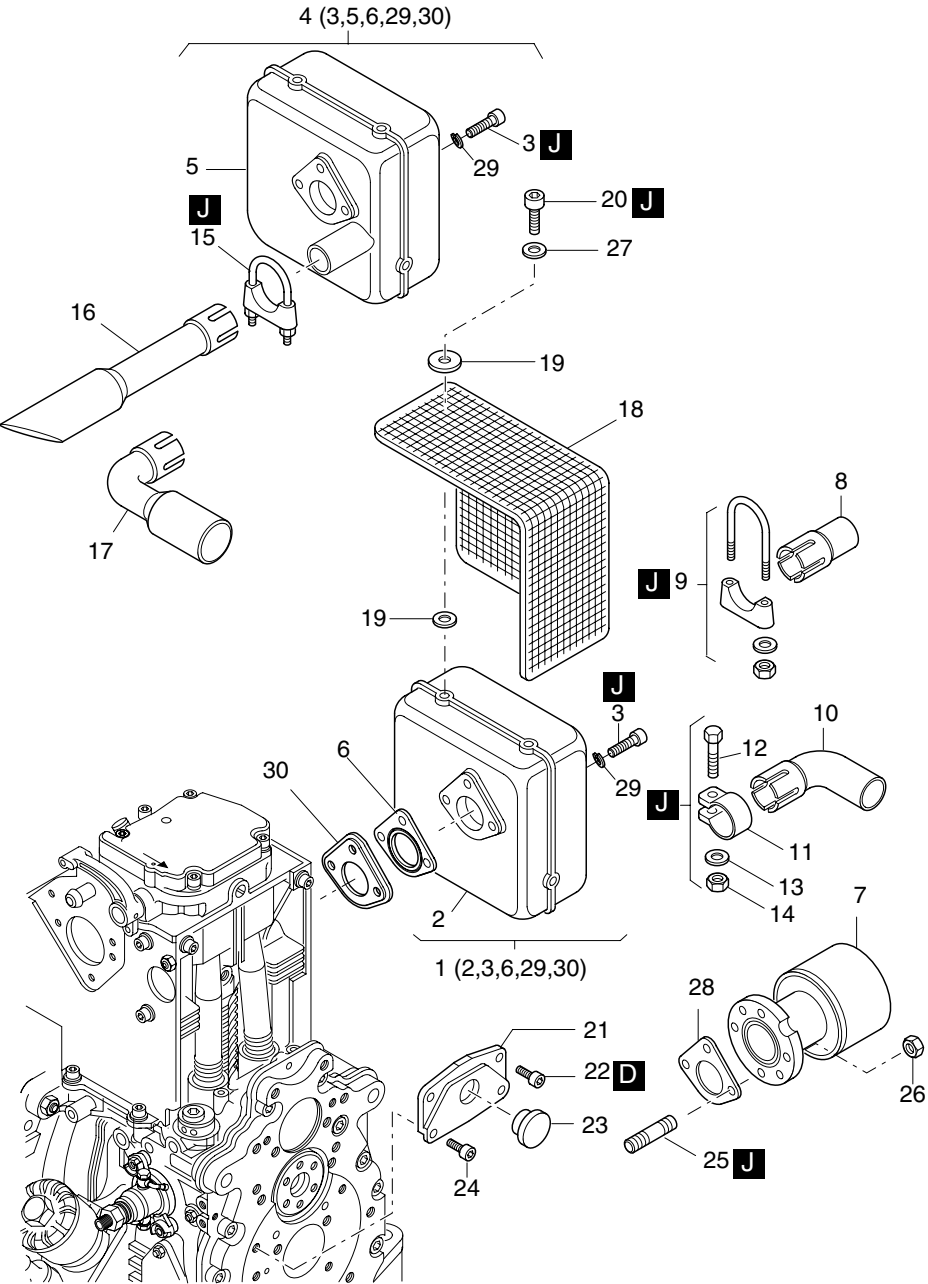


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
26 0000 400 284 00	1D41 EPATER IV Serial No. 094 22 ...	2	2	VM 8 DIN 980-8 C3A A 6,4 DIN 9021-St A3C
27 0000 501 200 00	1D42(C) EPATER IV Serial No. 133 11 ...	2	2	
28 0000 014 893 10	1D42 EPATER IV final-DOC Serial No. 172 10 ...	2	2	8 DIN 128 A3C
28 0000 014 291 00	1D50 EPATER IV Serial No. 109 20 ...	2	2	
29 0000 502 085 00	1D50 EPATER IV final-DOC Serial No. 173 10 ...	2	2	
30 0000 042 126 01	1D81 EPATER IV final Serial No. 073 27 ...	1	1	
30 0000 041 256 01	1D81 EPATER IV final-DOC 1500-1800 Serial No. 166 27 ...	1	1	
	1D81 EPATER IV final-DOC 1500-1800 Serial No. 171 27 ...	1	1	
	1D81 Minimum load Serial No. 316 27 ...	1	1	
	1D90 EPATER IV final Serial No. 108 20 ...	1	1	
	1D90 EPATER IV final-DOC 1500-1800 Serial No. 167 20 ...	1	1	
	1D90 EPATER IV final-DOC 1850-3000 Serial No. 169 20 ...	1	1	

Z03b

Exhaust silencer C
Abgasdämpfer C
Silencieux C
Silenciador C
Scarico C

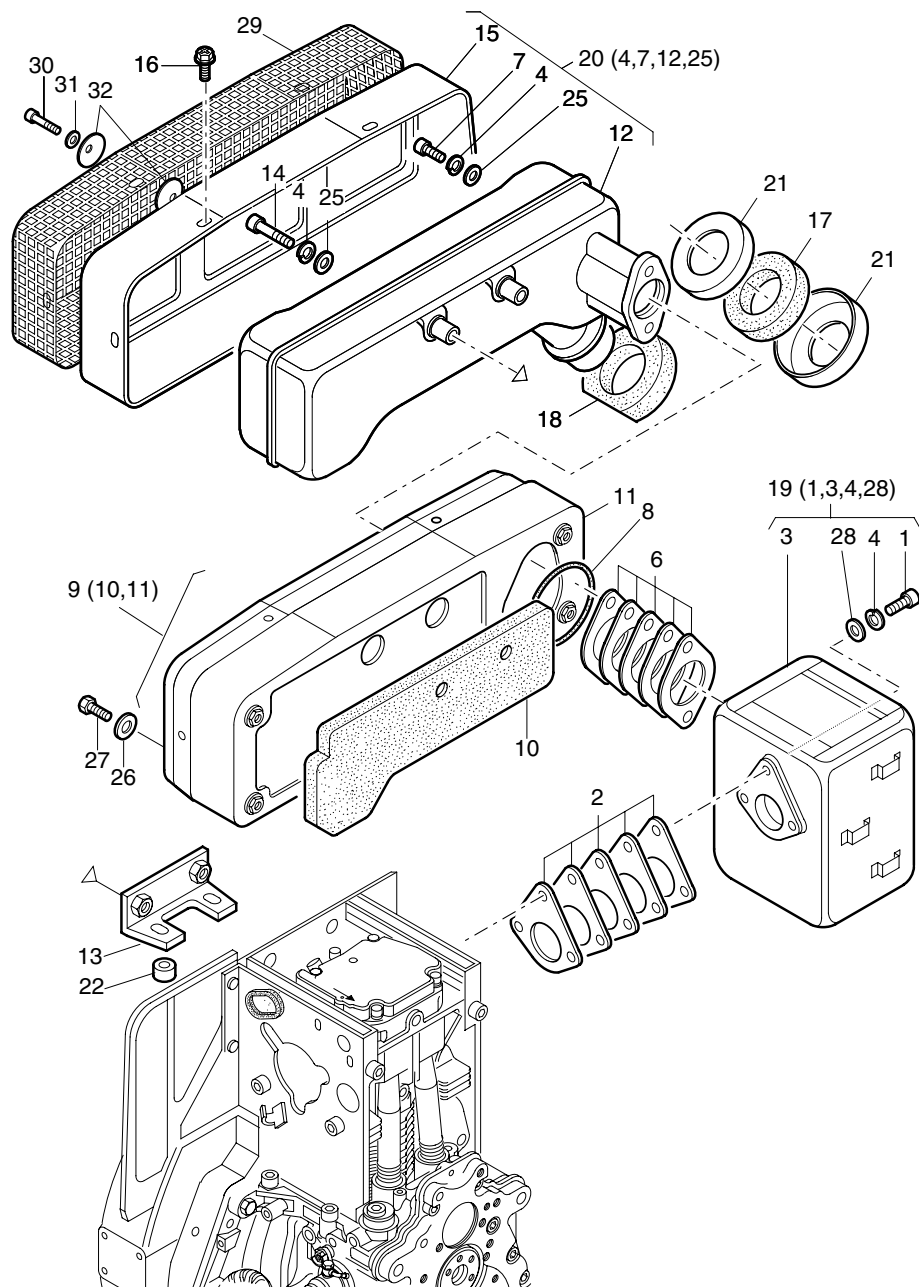


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D41	1D42	1D81	1D90		
1	0000 504 296 00	3	3	-	-		M 8 X 35 DIN 912-8.8 C4P
1	0000 504 040 00	-	-	3	3		M 8 X 30 DIN 912-8.8 C4P
2	0000 014 279 00	1	1	-	-		
2	0000 014 291 00	-	-	1	1		
3	-----	-	-	-	-		
4	0000 503 473 01	7	7	7	7		VHZ 8 A4B
6	0000 013 093 00	1	1	-	-		
6	0000 012 878 00	-	-	1	1		
7	0000 504 039 00	2	2	2	2		M 8 X 25 DIN 912-8.8 C4P
8	0000 503 497 00	-	-	1	1		100 x 2,5
9	0000 013 094 00	1	1	-	-		
9	0000 012 782 00	-	-	1	1		
10	0000 040 788 00	1	1	-	-		
10	0000 040 454 00	-	-	1	1		
11	-----	-	-	-	-		
12	-----	-	-	-	-		
13	0000 013 078 00	1	1	-	-		
13	0000 012 827 10	-	-	1	1		
14	0000 504 041 00	2	2	2	2		M 8 X 60 DIN 912-8.8 C4P
15	0000 013 075 01	1	1	-	-		
15	0000 012 740 01	-	-	1	1		
16	0000 506 062 00	8	8	6	6		M 6 x 12 KZ 1-8.8 A3D
17	0000 040 795 00	1	1	-	-		33 x 62x 15
18	0000 040 500 00	-	-	1	1		
19	0000 013 096 00	1	1	-	-		
19	0000 014 690 10	-	-	1	1		
20	0000 013 095 00	1	1	-	-		
20	0000 014 691 00	-	-	1	1		
21	0000 040 794 00	2	2	-	-		
22	0000 040 646 00	2	2	-	-		8,4 x 19 x 5,5
25	0000 501 157 00	4	4	4	4		8,4 DIN433-St 140 HV
26	0000 500 027 00	-	-	4	4		6 DIN 128
27	0000 500 257 00	-	-	4	4		M 6 x 16 DIN 933-8.8
28	0000 501 157 00	3	3	3	3		8,4 DIN433-St 140 HV
29	0000 014 865 00	1	1	-	-		
29	0000 014 863 00	-	-	1	1		
30	0000 502 557 00	8	8	8	8		M 6 x 12 DIN 912-8.8C4A
31	0000 501 200 00	8	8	8	8		A 6,4 DIN 9021-St A3C
32	0000 050 342 02	16	16	16	16		6,5 x 38

Starting handle
Andrehkurbel
Manivelle
Manivela
Manovella

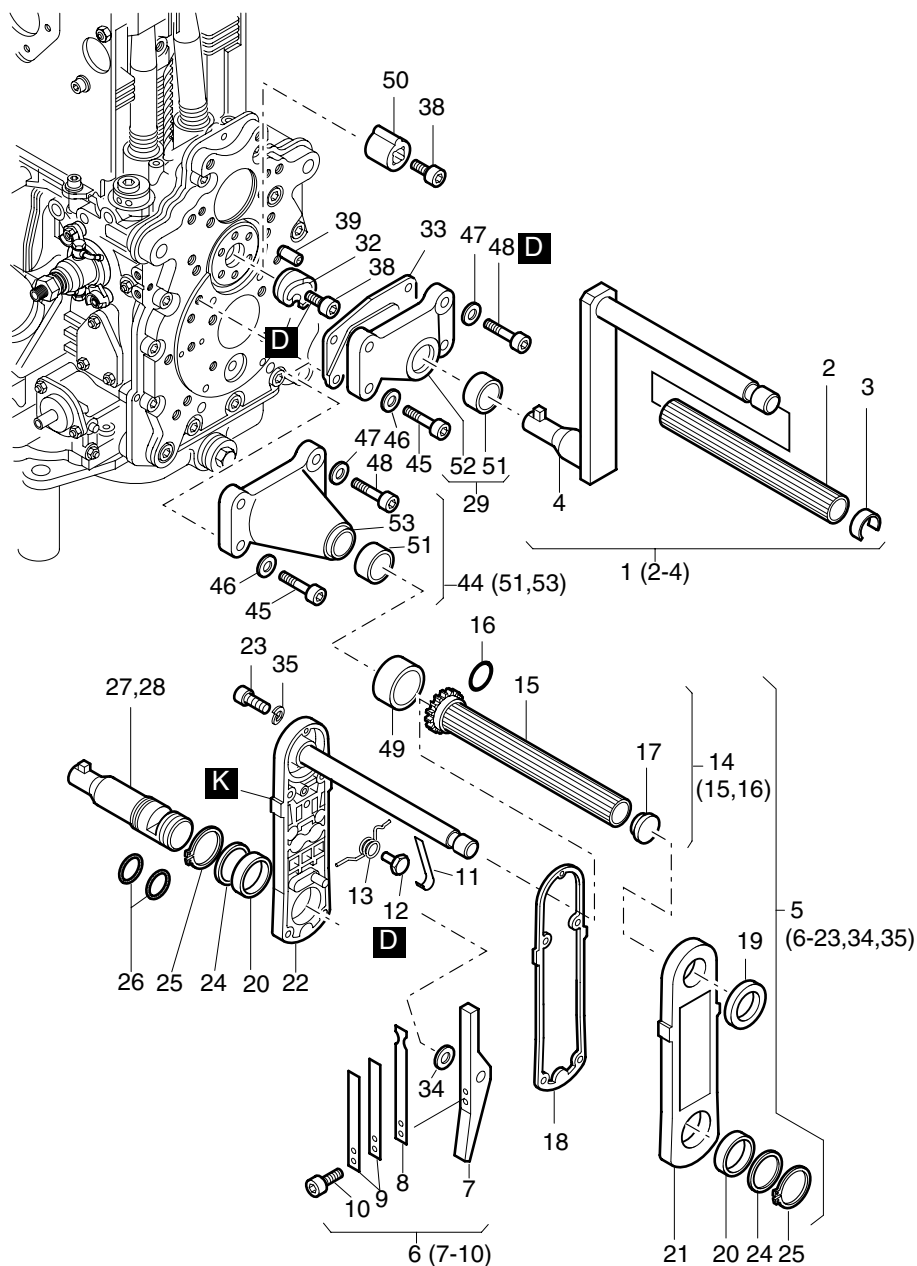


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 012 480 02	1	1	1	1	1		80 mm
1	0000 014 073 02	1	1	1	1	1		200 mm
1	0000 014 265 02	1	1	1	1	1		140 mm
1	0000 014 267 02	1	1	1	1	1		160 mm
1	0000 014 332 02	1	1	1	1	1		275 mm
1	0000 014 698 00	1	1	1	1	1		330 mm
2	0000 035 224 00	1	1	1	1	1		
3	0000 035 154 00	1	1	1	1	1		
4	-----	-	-	-	-	-		
5	0000 010 278 05	1	1	1	1	1		„A“
6	0000 010 114 04	1	1	1	1	1		
7	-----	-	-	-	-	-		
8	0000 038 121 02	1	1	1	1	1		
9	0000 039 171 00	2	2	2	2	2		M 5 X 8 DIN 6912-8.8 A3C
10	0000 503 165 00	2	2	2	2	2		
11	0000 039 549 00	1	1	1	1	1		
12	0000 039 556 00	1	1	1	1	1		„A“
13	0000 039 559 00	1	1	1	1	1		
14	0000 010 113 10	1	1	1	1	1		
15	-----	-	-	-	-	-		
16	0000 501 691 00	1	1	1	1	1		19 x 1,8
17	0000 501 992 00	1	1	1	1	1		V18
18	0000 038 130 00	1	1	1	1	1		
19	0000 501 942 00	1	1	1	1	1		28 x 35 x 4
20	0000 501 934 00	2	2	2	2	2		
21	-----	-	-	-	-	-		
22	-----	-	-	-	-	-		
23	0000 502 366 00	5	5	5	5	5		M 6 x 25 DIN 6912-8.8 A3C
24	0000 039 286 10	0...2	0...2	0...2	0...2	0...2		30 x 38 x 0,10
25	0000 501 943 00	2	2	2	2	2		A 30 x 1,5 K DIN 983
26	0000 502 585 00	2	2	2	2	2		26 x 1,5
27	0000 011 872 02	1	1	1	1	1		80 mm
27	0000 014 114 02	1	1	1	1	1		200 mm
27	0000 014 211 02	1	1	1	1	1		275 mm
27	0000 014 268 02	1	1	1	1	1		140 mm
27	0000 014 269 02	1	1	1	1	1		160 mm
27	0000 014 697 00	1	1	1	1	1		330 mm
28	-----	-	-	-	-	-		
29	0000 014 636 00	1	1	1	1	1		
29	0000 050 582 00	1	1	1	1	1		Ammann
32	0000 040 203 10	1	1	1	1	1		
33	0000 039 853 00	1	1	1	1	1		
34	0000 501 958 00	1	1	1	1	1		10 x 16 x 0,5 DIN 988
35	0000 501 709 00	5	5	5	5	5		6 DIN 128 - A3C
38	0000 501 349 00	1	1	1	1	1		M 8 X 16 DIN 6912-8.8 A3C
39	0000 503 871 00	1	1	1	1	1		5 M6 X 20 DIN 6325
44	0000 014 595 00	1	1	1	1	1		80 - 200 mm
44	0000 014 333 00	1	1	-	1	1		200 - 265 mm „C“
45	0000 501 830 00	2	2	2	2	2		M 8 X 35 DIN 912-8.8 A3C

Starting handle
Andrehkurbel
Manivelle
Manivela
Manovella

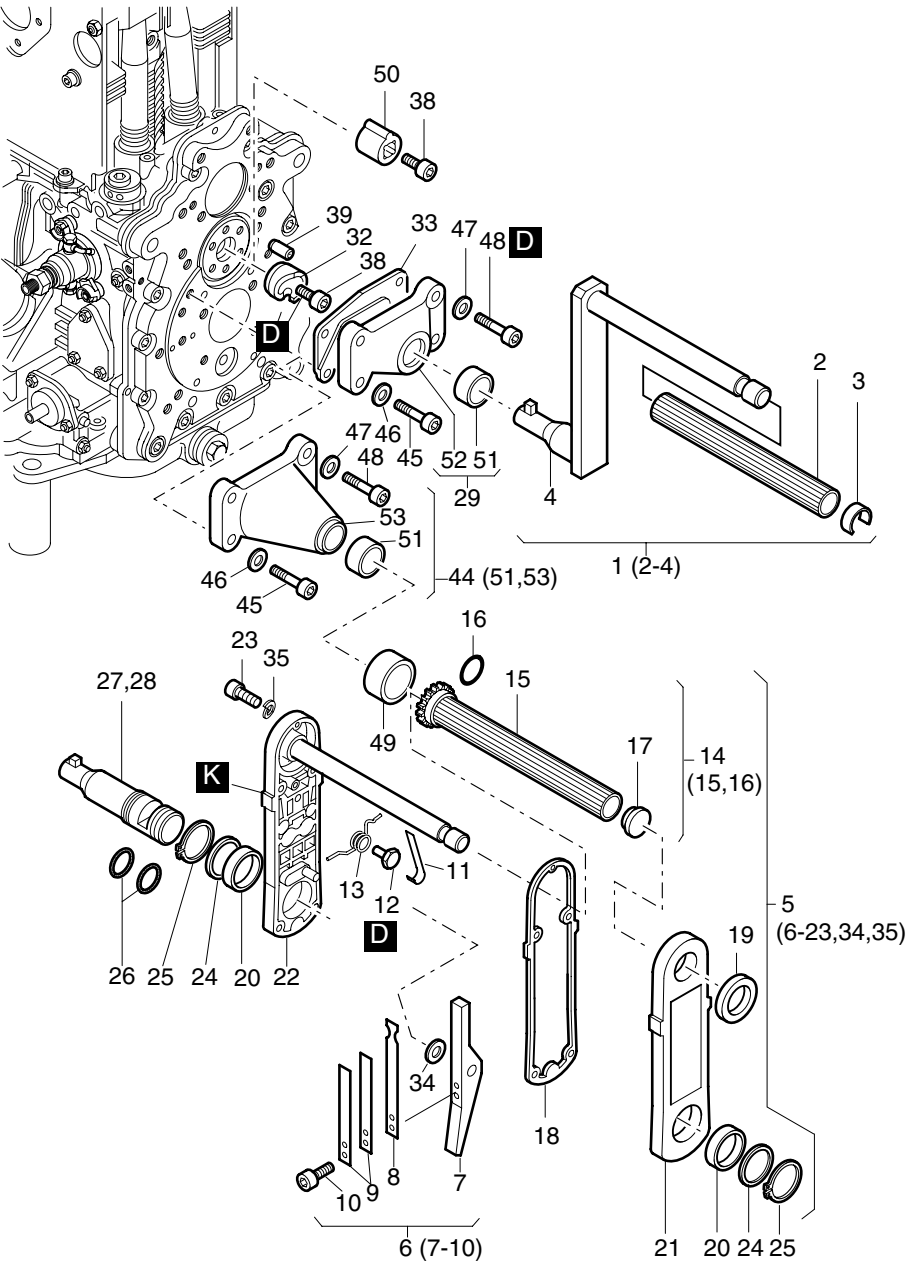


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
46	0000 501 481 00	2	2	2	2	2		8,4 DIN 125-St A3C
47	0000 501 459 00	2	2	2	2	2		10,5 DIN 125-St A3C
48	0000 503 278 00	2	2	2	2	2		M10 X 35 DIN 912-8.8 A3C
49	0000 035 797 00	1	1	-	1	1		„C“
50	0000 040 829 00	1	1	1	1	1		1/2“
51	0000 503 876 01	1	1	1	1	1		1“
52	-----	-	-	-	-	-		
53	-----	-	-	-	-	-		

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

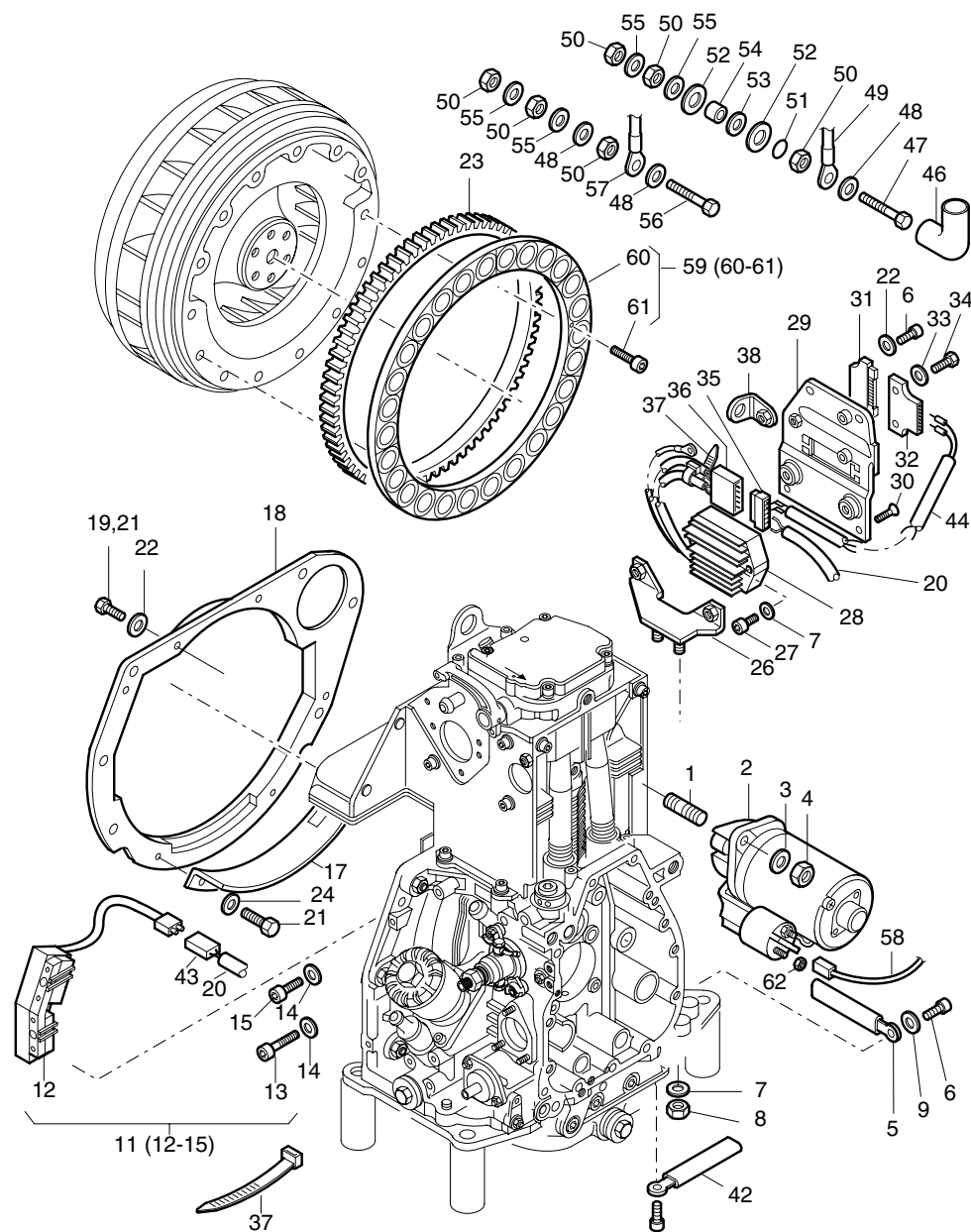


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 504 864 00	2	2	2	2	2		M 12 x 50Fo DIN 835-8.8 A3C
2	0000 017 210 00	1	1	1	-	-		12 V - 2,0 kW „S, Z, C“
2	0000 017 212 00	1	1	1	-	-		24 V - 2,5 kW „S, Z, C“
2	0000 504 959 01	-	-	-	1	1		12 V - 2,0 kW „S, Z, C“
2	0000 019 817 00	-	-	-	1	1		24 V - 3,0 kW „S, Z, C“
3	0000 500 937 00	2	2	2	2	2		13 DIN 125-St A3C
4	0000 503 806 00	2	2	2	2	2		M12 DIN 970-8 A3C
5	0000 050 012 00	2	2	2	2	2		
6	0000 501 491 00	2	2	2	2	2		M 6 x 12 DIN 912-8.8A3C
7	0000 502 085 00	4	4	4	4	4		8 DIN 128 A3C
8	0000 501 480 00	2	2	2	2	2		M 8 DIN 934-8 A3B
9	0000 501 445 00	1	1	1	1	1		6,4 DIN 125-St A3C
11	0000 015 924 00	-	-	-	1	1		12 V
11	0000 015 925 00	-	-	-	1	1		24 V
11	0000 016 394 00	-	-	-	1	1		12 V - 350 W
11	0000 016 395 00	-	-	-	1	1		24 V - 350 W
12	0000 014 407 10	1	1	1	-	-		12 V
12	0000 014 408 10	1	1	1	-	-		24 V
12	0000 018 636 00	-	-	1	-	-		12 V - 300 W
12	0000 018 638 00	-	-	1	-	-		24 V - 300 W
13	0000 502 366 00	1	1	1	-	-		M 6 x 25 DIN 6912-8.8 A3C
13	0000 504 488 00	-	-	-	1	1		M 6 X 40 DIN 6912-8.8 A3C
14	0000 503 907 01	2	2	2	2	2		6 DIN 6796 - 6 - FST ZN
15	0000 504 487 00	1	1	1	1	1		M 6 x 30 DIN 6912-8.8 A3C
17	0000 040 211 00	-	-	-	1	1		„S, Z“
18	0000 040 318 10	1	1	-	-	-		
18	0000 041 368 01	-	-	1	-	-		
18	0000 040 099 20	-	-	-	1	1		
19	0000 500 985 00	-	-	2	-	-		M 8 x 16 DIN 933-8.8 A3C
20	0000 014 628 00	0...1	0...1	0...1	0...1	0...1		350W
20	0000 015 583 00	0...1	0...1	0...1	0...1	0...1		
21	0000 501 655 00	5	5	5	5	5		M 6 x 12 DIN 933-8.8 A3C
22	0000 501 709 00	6	6	6	4	4		6 DIN 128 - A3C
23	0000 040 323 10	1	1	1	-	-		„S, Z, C“
23	0000 040 212 10	-	-	-	1	1		„S, Z, C“
24	0000 501 445 00	-	-	-	2	2		6,4 DIN 125-St A3C
26	0000 014 404 03	1	1	1	-	-		
26	0000 014 403 03	-	-	-	1	1		
27	0000 501 830 00	2	2	2	2	2		M 8 X 35 DIN 912-8.8 A3C
28	0000 019 838 00	1	1	1	1	1		12 V
28	0000 019 839 00	1	1	1	1	1		24 V
29	0000 014 401 00	1	1	1	1	1		
30	0000 504 225 01	2	2	2	2	2		M 6 x 12 DIN 7991 - 8.8 A3C
31	0000 503 737 00	1	1	1	1	1		
32	0000 503 736 00	1	1	1	1	1		
33	0000 502 163 00	2	2	2	2	2		5,3 DIN 125-St A3C
34	0000 503 357 00	2	2	2	2	2		M 5 x 25 DIN 933-8.8 A3C
35	0000 504 021 00	1	1	1	1	1		4-P.
36	0000 504 020 00	1	1	1	1	1		

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

91

Z05c, Z11

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

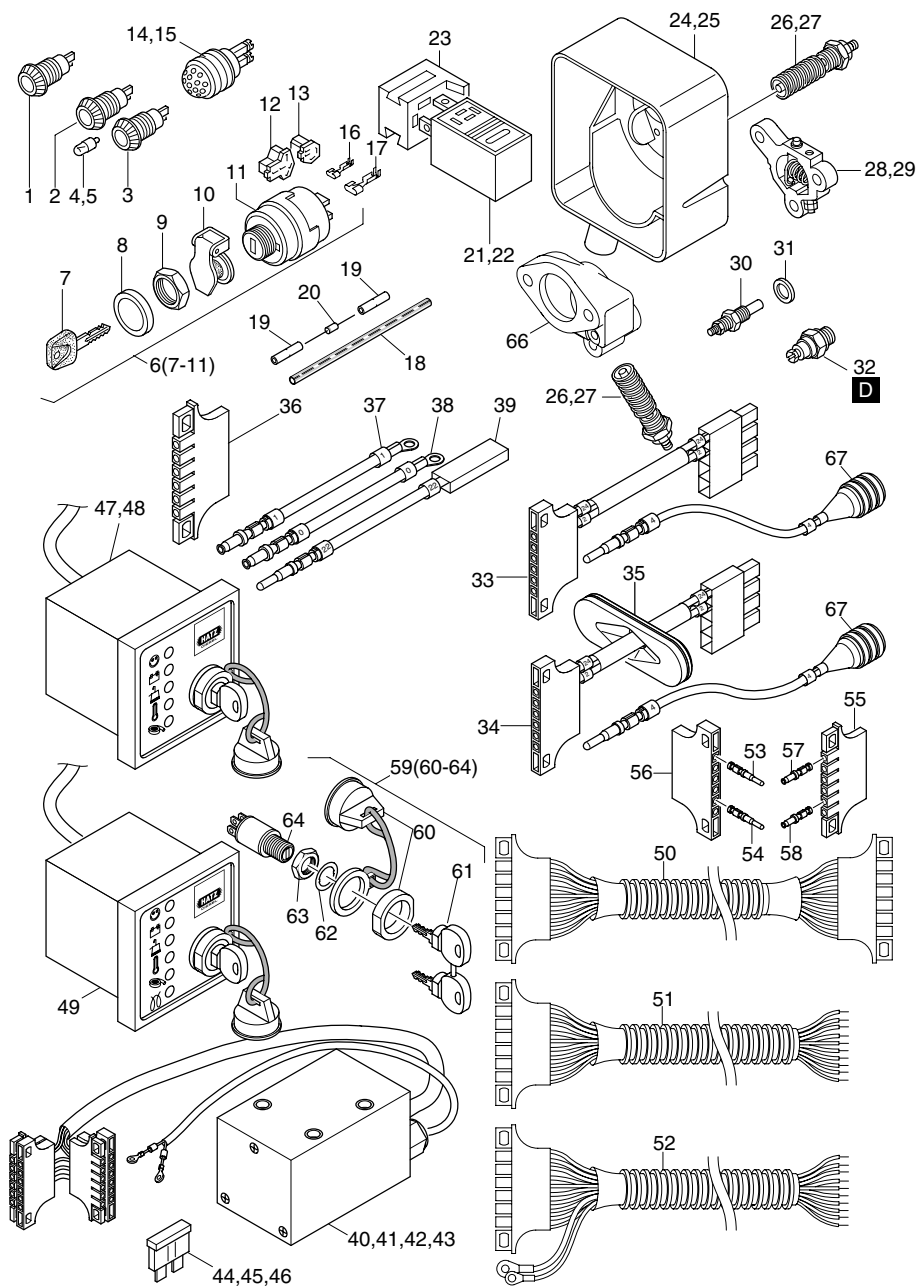


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 501 765 00	1	1	1	1	1		BATT.
2	0000 501 764 00	1	1	1	1	1		TEMP.
3	0000 501 766 00	1	1	1	1	1		OIL
4	0000 400 097 00	0...3	0...3	0...3	0...3	0...3		12 V - 2 W
5	0000 400 098 00	0...3	0...3	0...3	0...3	0...3		24 V - 2 W
6	0000 502 765 02	1	1	1	1	1		
7	0000 503 453 00	1	1	1	1	1		14603
8	-----	-	-	-	-	-		
9	-----	-	-	-	-	-		
10	0000 490 509 00	1	1	1	1	1		
11	-----	-	-	-	-	-		
12	0000 502 767 00	1	1	1	1	1		6 - P
13	0000 502 766 00	1	1	1	1	1		4 - P
14	0000 504 036 00	1	1	1	-	-		12 - 24 V
15	0000 503 972 00	-	-	-	1	1		12 - 24 V
16	0000 400 747 00	5	5	5	5	5		B 6,3 - 2,5 BZ
17	0000 502 768 00	4	4	4	4	4		9,5 - 6A
18	0000 036 700 00	2	2	2	2	2		4 x 120 mm
19	0000 501 892 00	4	4	4	4	4		
20	0000 503 444 00	2	2	2	2	2		1 N 4007
21	0000 502 758 02	0...1	0...1	0...1	0...1	0...1		12 V HATZ MSR
22	0000 502 759 02	0...1	0...1	0...1	0...1	0...1		24 V HATZ MSR
23	0000 502 760 00	1	1	1	1	1		
24	0000 050 351 10	0...1	0...1	0...1	-	-		(24 V)
25	0000 040 561 10	-	-	-	0...1	0...1		(24 V)
26	0000 504 037 00	0...1	0...1	0...1	-	-		24 V Widerstand, resistor
27	0000 503 973 02	-	-	-	0...1	0...1		24 V Widerstand, resistor
28	0000 014 682 02	1	1	1	-	-		12 - 24 V
29	0000 012 755 00	-	-	-	1	1		12 - 24 V
30	0000 502 686 00	1	1	1	1	1		TEMP. 12-24V
31	0000 051 624 00	1	1	1	1	1		10,4 x 14 x 4
32	0000 502 722 01	1	1	1	1	1		12 - 24V Oil
33	0000 014 036 20	1	1	1	1	1		
34	0000 014 701 00	1	1	-	1	1		„C“
35	0000 039 931 00	1	1	-	1	1		„C“
36	0000 503 737 00	1	1	1	1	1		
37	0000 015 743 00	1	1	1	1	1		(1)
38	0000 015 744 02	1	1	1	1	1		(0) 450mm
39	0000 015 268 00	1	1	1	1	1		(22) 360mm
40	0000 015 893 00	1	1	1	1	1		12 V Powerbox II
41	0000 015 957 00	1	1	1	1	1		24 V Powerbox II
42	0000 015 910 00	1	1	1	1	1		12 V Powerbox III
43	0000 015 911 00	1	1	1	1	1		24 V Powerbox III
44	0000 504 304 00	0...1	0...1	0...1	0...1	0...1		15 A
44	0000 504 593 00	0...1	0...1	0...1	0...1	0...1		10 A
45	0000 504 307 00	0...1	0...1	0...1	0...1	0...1		30 A
46	0000 504 330 00	1...2	1...2	1...2	1...2	1...2		40 A
47	0000 015 518 03	1	1	1	1	1		12 V, A 1, 2,0m
48	0000 015 697 03	1	1	1	1	1		24 V, A 1

Z05c, Z11

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

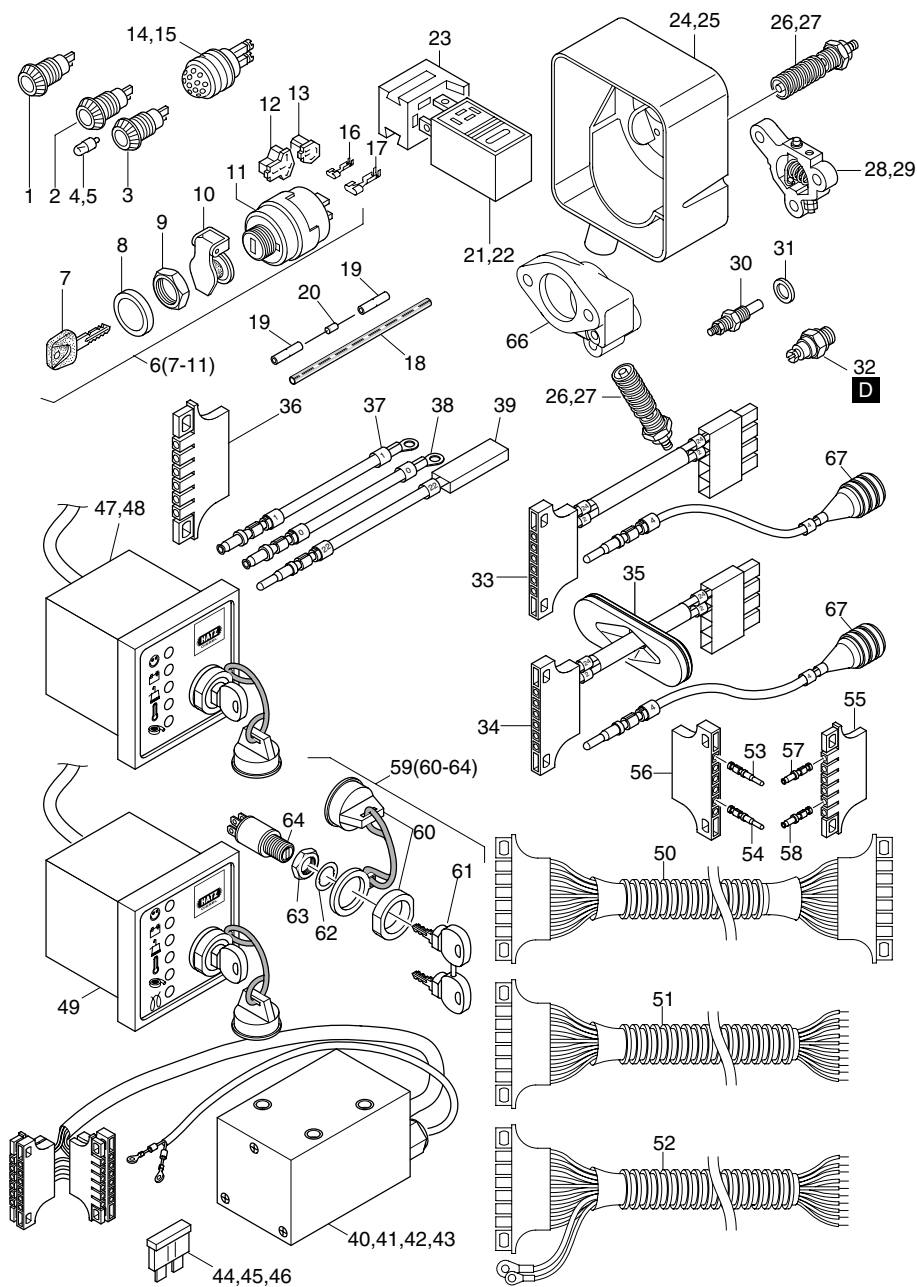


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
49	0000 015 589 04	1	1	1	1	1		12 V / 24 V, Aut., 2,0m
50	0000 016 112 00	1	1	1	1	1		K 1 - 2 m
51	0000 015 498 01	1	1	1	1	1		K 2 - 2 m
52	0000 011 927 10	1	1	1	1	1		K 3 - 2 m
53	0000 503 743 00	1	1	1	1	1		2,5 - 4,0
54	0000 503 741 00	5	5	5	5	5		0,5 - 1,0
55	0000 503 737 00	1	1	1	1	1		
56	0000 503 736 00	1	1	1	1	1		
57	0000 503 738 00	5	5	5	5	5		0,5 - 1,0
58	0000 503 739 00	1	1	1	1	1		1,5 - 2,5
59	0000 505 995 01	1	1	1	1	1		
60	0000 506 009 00	1	1	1	1	1		
61	0000 506 008 00	2	2	2	2	2		Nr. 607
62	-----	-	-	-	-	-		
63	-----	-	-	-	-	-		
64	-----	-	-	-	-	-		
66	0000 052 585 00	-	-	-	1	1		
67	0000 011 932 11	1	1	1	1	1		(4)

Engine brackets
Motorfüße
Pieds moteur
Soportes del motor
Staffe supporto motore

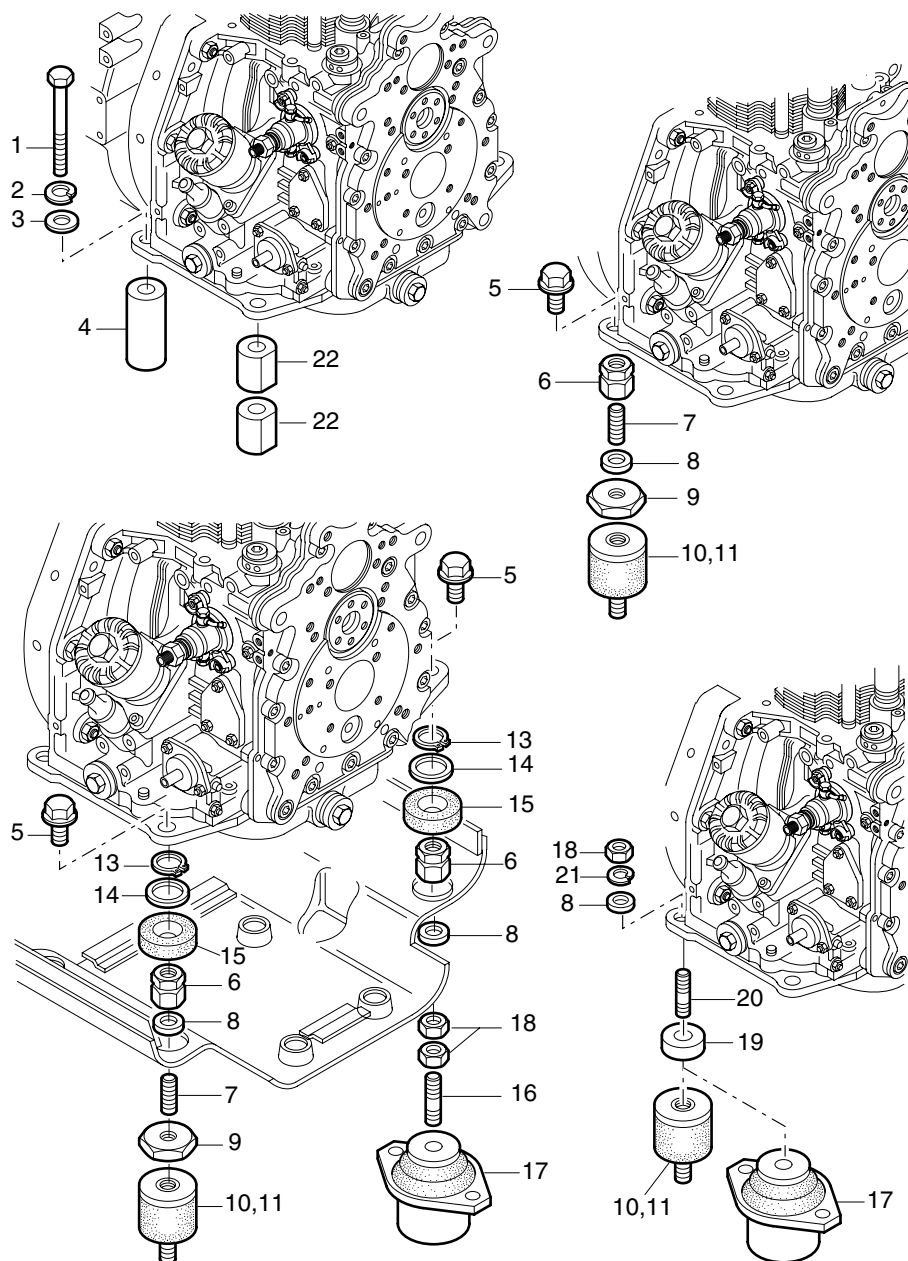


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	-----	-	-	-	-	-		M 10 x ...DIN 933-
2	0000 500 029 00	4	4	4	4	4		A 10 DIN 128
3	0000 500 706 00	4	4	4	4	4		10,5 x 25 x 4 DIN 7349 A3C
4	0000 039 954 00	3	3	3	-	-		13 x 36 x 13
4	0000 050 008 00	3	3	-	-	-		13 x 36 x 45
4	0000 051 515 00	-	-	3	-	-		13 x 36 x 52
4	0000 039 646 10	-	-	-	3	3		13 x 36 x 74,5
4	0000 051 122 00	-	-	-	3	3		13 x 36 x 10,5
5	0000 503 866 00	4	4	4	4	4		M 10 x 20 A3C
6	0000 039 937 00	4	4	4	-	-		M10 x 27,5
6	0000 051 178 00	-	-	-	4	4		M10 x 25
7	0000 039 935 00	4	4	4	4	4		M 10 x 30
8	0000 500 706 00	4	4	4	4	4		10,5 x 25 x 4 DIN 7349 A3C
9	0000 039 934 00	4	4	4	4	4		10,5 x 55 x 5
10	0000 503 867 00	4	4	4	4	4		40 Shore
11	0000 503 868 00	4	4	4	4	4		55 Shore
13	0000 500 204 00	4	4	-	4	4		A 24 x 1,2 DIN 471
14	0000 035 923 01	4	4	-	4	4		26,1 x 38 x 1
15	0000 037 553 00	4	4	-	4	4		46/16
16	0000 039 936 02	4	4	-	4	4		M 10 x 58
17	0000 503 236 00	4	4	4	4	4		V 12 / 600
18	0000 501 458 00	4	4	4	8	8		M10 DIN 934-8 A3C
19	0000 039 954 00	2... 4	2... 4	2... 4	-	-		13 x 36 x 13
19	0000 051 122 00	-	-	-	2... 4	2... 4		13 x 36 x 10,5
20	0000 501 248 00	4	4	4	4	4		M 10 x 40 DIN 939
21	0000 501 356 00	4	4	4	4	4		10 DIN 128 A3C
22	0000 050 203 00	2	2	2	-	-		f. Höhe 13, f. height 13
22	0000 050 181 01	2	2	-	-	-		f. Höhe 45, f. height 45
22	0000 051 516 01	-	-	2	-	-		f. Höhe 52, f. height 52
22	0000 050 180 11	-	-	-	2	2		f. Höhe 74,5 f. height 74.5
22	0000 051 123 00	-	-	-	2	2		f. Höhe 10,5, f. height 10.5

Z09, Z11

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

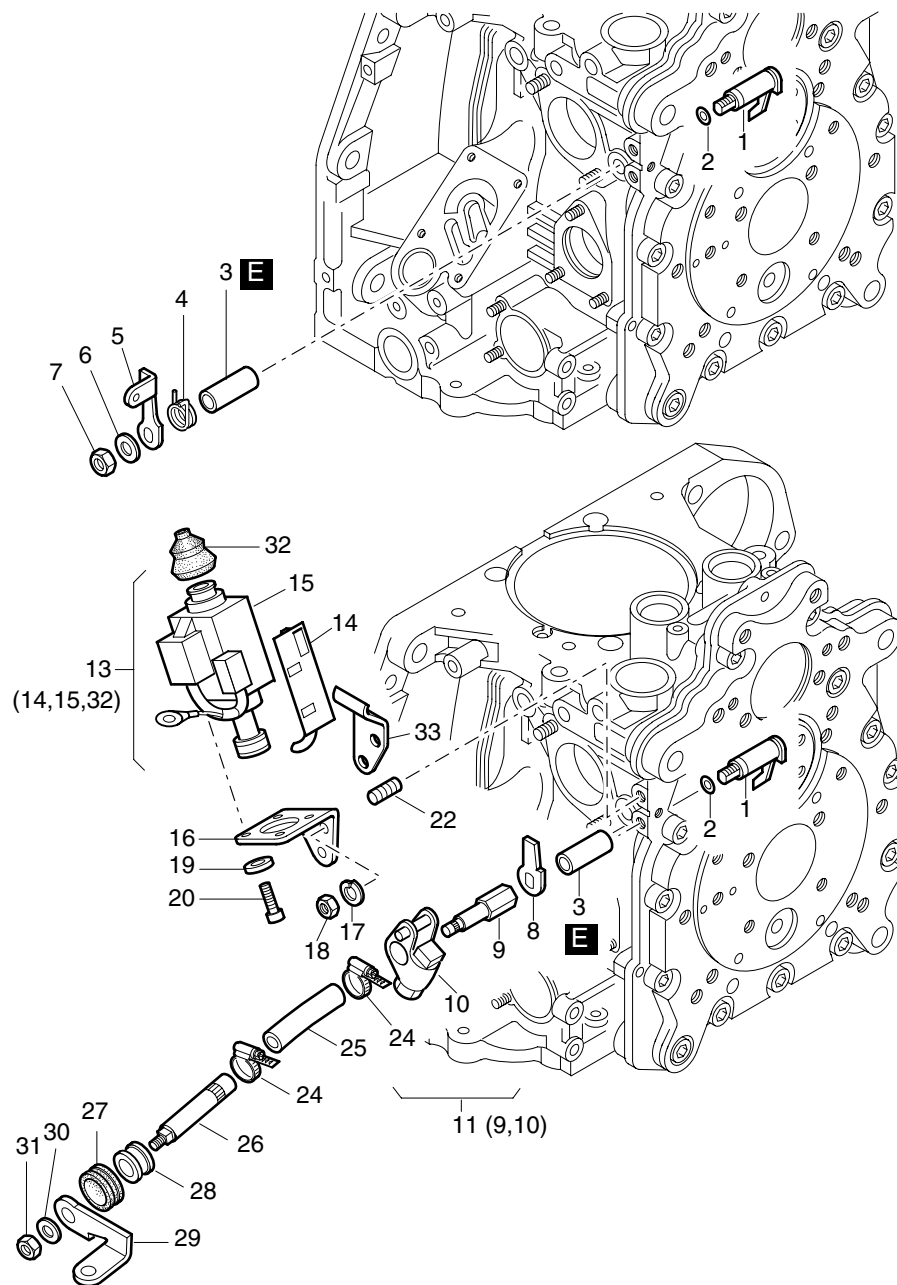


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 012 546 04	1	1	1	1	1		
2	0000 503 433 00	1	1	1	1	1		4,6 x 1,85
3	0000 040 214 00	1	1	1	1	1		
4	0000 040 218 00	1	1	1	1	1		
5	0000 040 217 00	1	1	1	1	1		
6	0000 501 445 00	1	1	1	1	1		6,4 DIN 125-St A3C
7	0000 503 283 00	1	1	1	1	1		VM 6 DIN 980-8 A3C
8	0000 052 092 00	1	1	1	1	1		
9	-----	-	-	-	-	-		
10	0000 014 931 11	1	1	1	1	1		
11	0000 015 153 00	1	1	1	1	1		
13	0000 015 155 00	1	1	1	1	1		12 V
13	0000 015 154 00	1	1	1	1	1		24 V
14	0000 050 584 00	1	1	1	1	1		
15	-----	-	-	-	-	-		
16	0000 050 235 01	1	1	1	1	1		
17	0000 501 709 00	2	2	2	2	2		6 DIN 128 - A3C
18	0000 501 444 00	2	2	2	2	2		M 6 DIN 934 - 8 A3C
19	0000 502 163 00	3	3	3	3	3		5,3 DIN 125-St A3C
20	0000 501 126 00	4	4	4	4	4		M 5 X 10 DIN 6912-8.8 A3C
22	0000 503 668 00	2	2	2	2	2		M 6 x 12 DIN 835-8.8 A3C
24	0000 400 261 00	2	2	-	2	2		Ø 10-16 „C“
25	0000 039 990 01	1	1	-	1	1		7 x 70 „C“
26	0000 039 966 00	1	1	-	1	1		„C“
27	0000 035 654 00	1	1	-	1	1		„C“
28	0000 050 692 00	1	1	-	1	1		„C“
29	0000 040 217 00	1	1	-	1	1		
30	0000 501 445 00	1	1	-	1	1		6,4 DIN 125-St A3C
31	0000 503 283 00	1	1	-	1	1		VM 6 DIN 980-8 A3C
32	0000 502 489 00	1	1	1	1	1		
33	0000 052 057 01	1	1	1	1	1		

Autom. shut-off device - „S/Z“
Abschaltautomatik mech. - „S/Z“
Arret. Autom. moteur - „S/Z“
Parada autom. motor - „S/Z“
Arresto automatico motore - „S/Z“

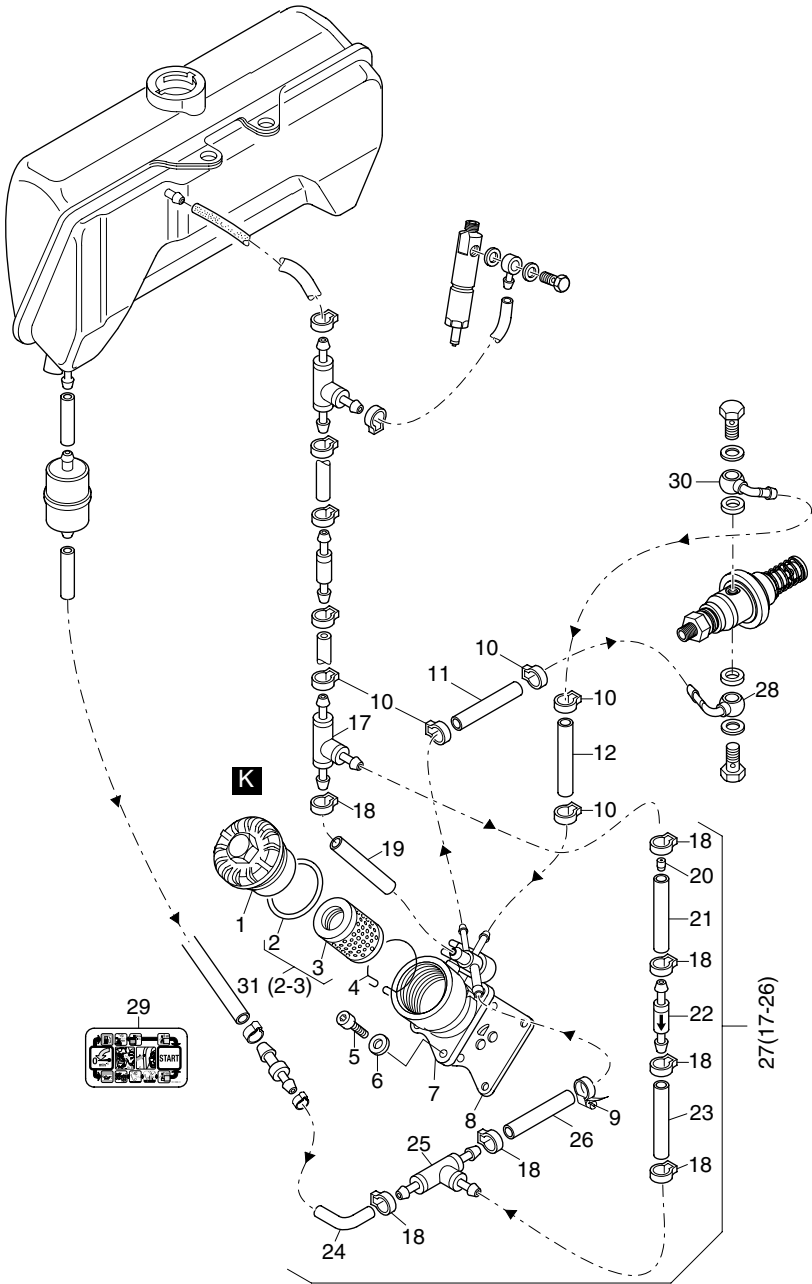


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 012 489 01	1	1	1	1	1		
2	0000 503 292 00	1	1	1	1	1		50 x 55 x 3
3	-----	-	-	-	-	-		
4	0000 040 840 01	1	1	1	1	1		
5	0000 501 706 00	4	4	4	4	4		M 6 x 20 DIN 912-8.8A3C
6	0000 500 812 00	4	4	4	4	4		A 6 DIN 137 - A3C
7	0000 014 528 21	1	1	1	1	1		
8	0000 050 689 00	1	1	1	1	1		
9	0000 503 572 00	1	1	1	1	1		Ø 7 - 11
10	0000 505 709 00	5	5	5	5	5		Ø 12,8
11	0000 053 640 00	1	1	1	1	1		6 x 12 x 200
12	0000 053 979 00	1	1	1	1	1		6 x 110
17	0000 053 090 00	1	1	1	1	1		NW 3
18	0000 505 709 00	7	7	7	7	7		Ø 12,8
19	0000 053 160 00	1	1	1	1	1		4,5 x 30
20	0000 053 057 00	1	1	1	1	1		
21	0000 053 437 00	1	1	1	1	1		5,3 x 50
22	0000 018 650 00	1	1	1	1	1		
23	0000 053 159 00	1	1	1	1	1		4,5 x 80
24	0000 053 162 00	1	1	1	1	1		4,5 x 35
25	0000 052 424 00	1	1	1	1	1		NW 3
26	0000 053 161 00	1	1	1	1	1		4,5 x 50
27	0000 018 787 02	1	1	1	1	1		
28	0000 053 056 00	1	1	1	1	1		
29	0000 051 268 02	1	1	1	1	1		
30	0000 052 997 01	1	1	1	1	1		
31	0000 014 800 01	1	1	1	1	1		

Autom. shut-off device - with fuel feed pump - „S/Z“
Abschaltautomatik mech. - mit Kraftstoffförderpumpe - „S/Z“
Arret. Autom. moteur - avec pompe d'alimentation - „S/Z“
Parada autom. motor - con bomba de alimentación - „S/Z“
Arresto automatico motore - con pompa a. c. - „S/Z“

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Autom. shut-off device - with fuel feed pump - „C“
Abschaltautomatik mech. - mit Kraftstoffförderpumpe - „C“
Arret. Autom. moteur - avec pompe d'alimentation - „C“
Parada autom. motor - con bomba de alimentación - „C“
Arresto automatico motore - con pompa a. c. - „C“

105

Intermediate housing
Anschlußgehäuse
Bride raccord
Caja de conexión
Flange accoppiamento

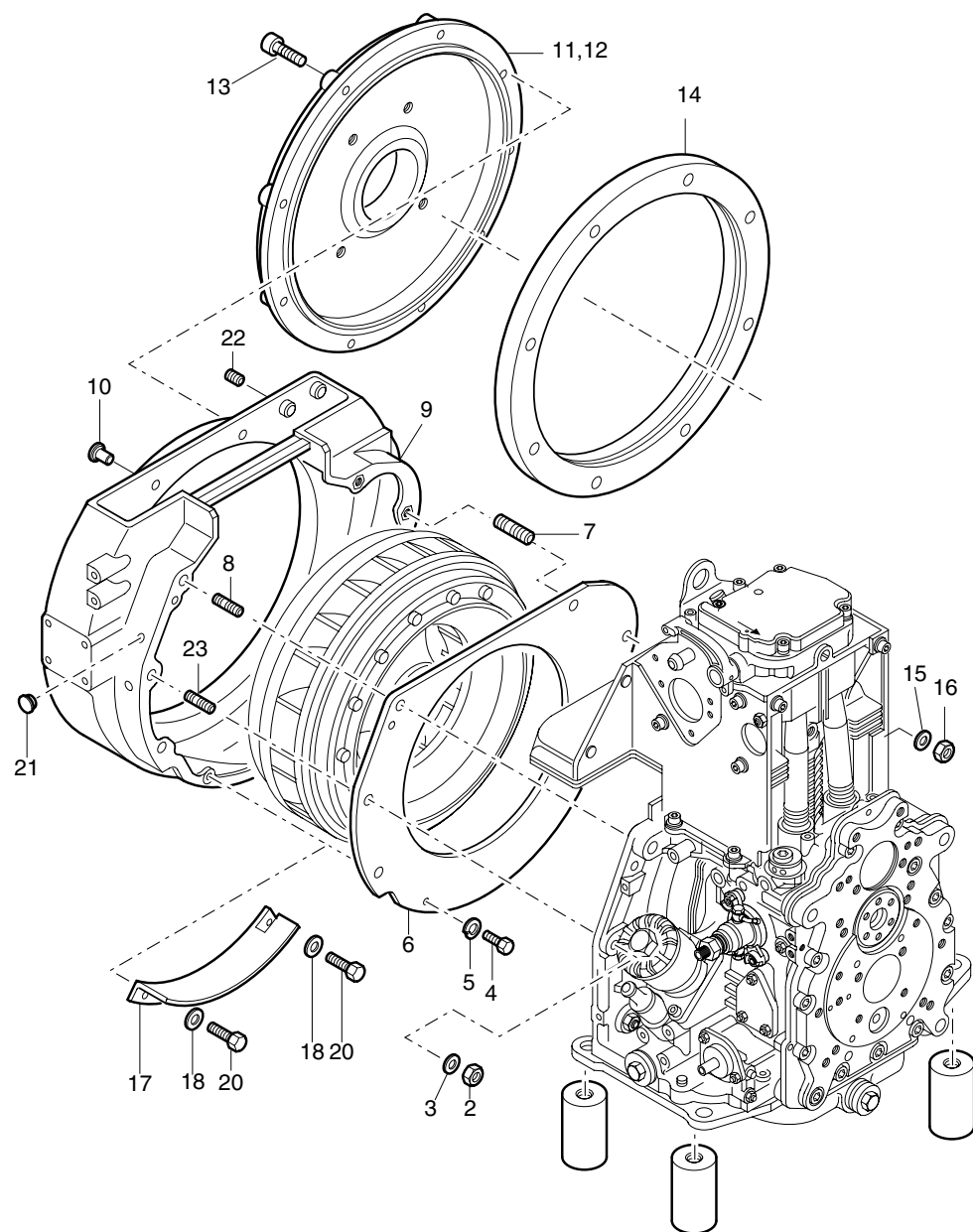


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
2	0000 501 458 00	4	4	4	-	-		M10 DIN 934-8 A3C
2	0000 500 936 00	-	-	-	4	4		M12 DIN 934-8 A3C
3	0000 501 459 00	4	4	4	-	-		10,5 DIN 125-St A3C
3	0000 500 937 00	-	-	-	4	4		13 DIN 125-St A3C
4	0000 501 771 00	2	2	2	2	2		M 6 x 16 DIN 933-8.8 A3C
5	0000 501 709 00	2	2	2	2	2		6 DIN 128 - A3C
6	0000 040 311 00	1	1	-	-	-		s.Grp Z05a Pos 18
6	0000 041 365 01	-	-	1	-	-		s.Grp Z05a Pos 18
6	0000 040 085 00	-	-	-	1	1		s.Grp Z05a Pos 18
7	0000 504 750 00	2	2	2	2	2		M 12 x 40 DIN 835-8.8 A3C
8	0000 500 409 00	3	3	3	-	-		M 10 x 35 DIN 835 - 8.8
8	0000 504 749 00	-	-	-	4	4		M 12 x 35 DIN 835-8.8 A3B
9	0000 016 889 00	1	1	-	-	-		SAE 6
9	0000 016 890 00	-	-	1	-	-		SAE 5
9	0000 016 891 00	-	-	-	1	1		SAE 5
10	0000 504 216 00	8	8	8	8	8		12
11	0000 039 761 00	1	1	-	-	-		SAE „B“ Ø 146,1
11	0000 039 534 03	-	-	1	1	1		
12	0000 039 535 03	-	-	1	1	1		
13	0000 500 552 00	8	8	-	-	-		M 10 x 60 DIN 912-8.8A3C
13	0000 500 547 00	-	-	8	8	8		M10 X 45 DIN 912-8.8 A3C
14	0000 039 544 02	-	-	1	1	1		SAE 5
15	0000 500 937 00	2	2	2	2	2		13 DIN 125-St A3C
16	0000 500 936 00	2	2	2	2	2		M12 DIN 934-8 A3C
17	0000 040 211 00	-	-	-	1	1		s.Grp Z05a Pos 17
18	0000 501 445 00	-	-	-	2	2		6,4 DIN 125-St A3C
20	0000 501 771 00	-	-	-	2	2		M 6 x 16 DIN 933-8.8 A3C
21	0000 505 458 00	2	2	2	2	2		10,5
22	0000 502 260 00	2	2	4	4	4		M 8 X 6 DIN 913-45H TU.FLEC
23	0000 500 412 00	1	1	1	-	-		M 10 x 45 DIN 835 - 8.8

Z16a

Stubshaft, flexible coupling
Wellenstummel, elastische Kupplung
Bout de arbre, accouplement elastic
Eje, acoplamiento elastico
Contralbero, giunto elastico

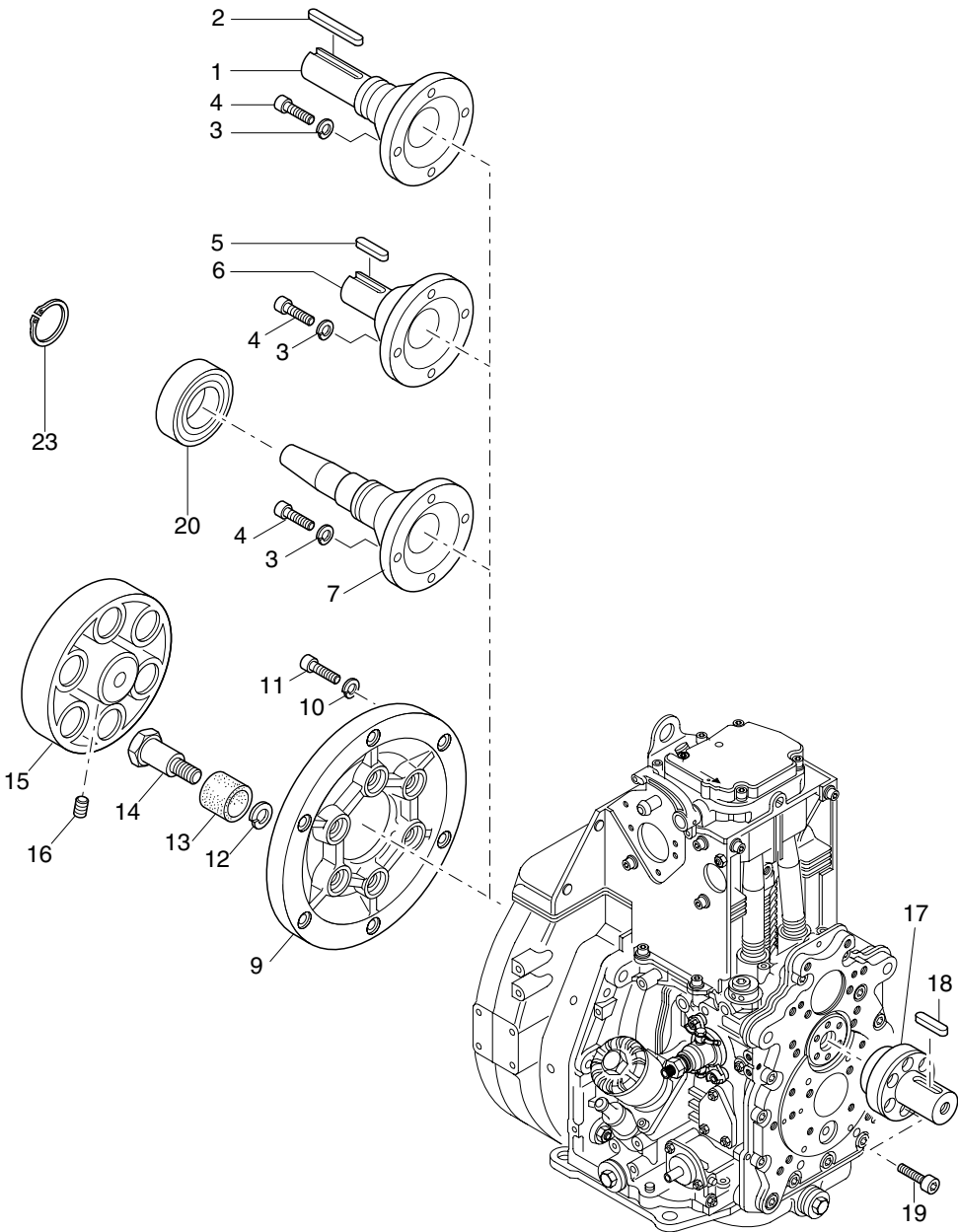


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 039 520 01	1	1	1	1	1		2 ø 1"
2	0000 039 627 00	1	1	1	1	1		A 6,35 x 63
3	0000 502 085 00	4	4	4	4	4		8 DIN 128 A3C
4	0000 501 715 00	4	4	4	4	4		M 8 X 25 DIN 912-8.8 A3C
5	0000 500 115 00	1	1	1	1	1		A 8 x 7 x 35 DIN 6885
6	0000 039 543 00	1	1	1	1	1		2 ø 30 mm
7	0000 039 532 01	1	1	1	1	1		4 (1") keg., con.
9	0000 039 517 00	1	1	1	1	1		
10	0000 502 085 00	6	6	6	6	6		8 DIN 128 A3C
11	0000 503 663 00	6	6	6	6	6		M 8 X 20 DIN 912-8.8A3C
12	0000 500 616 01	6	6	6	6	6		VHZ 12
13	0000 031 510 00	6	6	6	6	6		
14	0000 030 469 00	6	6	6	6	6		
15	0000 030 046 02	1	1	1	1	1		
16	0000 500 046 00	1	1	1	1	1		M 8 X 16 DIN 916-45H A3C
17	0000 050 074 00	1	1	1	1	1		25 x 65
18	0000 500 115 00	1	1	1	1	1		A 8 x 7 x 35 DIN 6885
19	0000 501 707 00	6	6	6	6	6		M 6 x 16 DIN 912-8.8A3C
20	0000 504 798 00	1	1	1	1	1		EC 6307 LLu C3/2A
23	0000 500 211 00	1	1	1	1	1		A 35 x 1,5 DIN 471

Z16b

Clutch perm. disconn.
Kupplung dauerausrückbar
Embrayage debr. continu.
Embrague permanente
Frizione

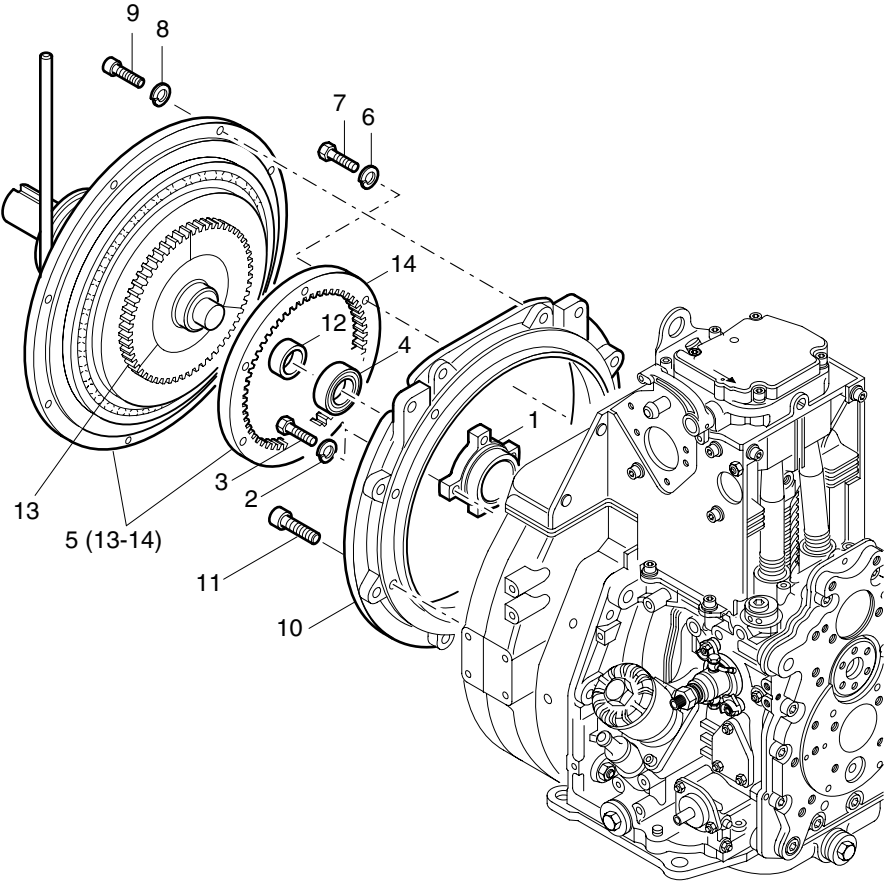


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 039 612 00	1	1	1	1	1		
2	0000 500 028 00	4	4	4	4	4		8 DIN 128
3	0000 500 268 00	4	4	4	4	4		M 8 x 20 DIN 933-8.8
4	0000 500 141 00	1	1	1	1	1		DIN 625 6205 2RS
5	0000 503 493 00	1	1	1	1	1		BD 110/15
6	0000 500 028 00	6	6	6	6	6		8 DIN 128
7	0000 500 270 00	6	6	6	6	6		M 8 x 25 DIN 933 - 8.8
8	0000 501 356 00	8	8	8	8	8		10 DIN 128 A3C
9	0000 500 934 00	8	8	-	-	-		M10 X 30 DIN 912-8.8 A3C
9	0000 500 552 00	-	-	8	8	8		M 10 x 60 DIN 912-8.8A3C
10	0000 039 812 00	1	1	-	-	-		SAE 5
11	0000 503 278 00	8	8	-	-	-		M10 X 35 DIN 912-8.8 A3C
12	0000 050 199 00	1	1	1	1	1		25 x 35 x 8
13	0000 490 658 00	1	1	1	1	1		
14	0000 490 703 00	1	1	1	1	1		

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

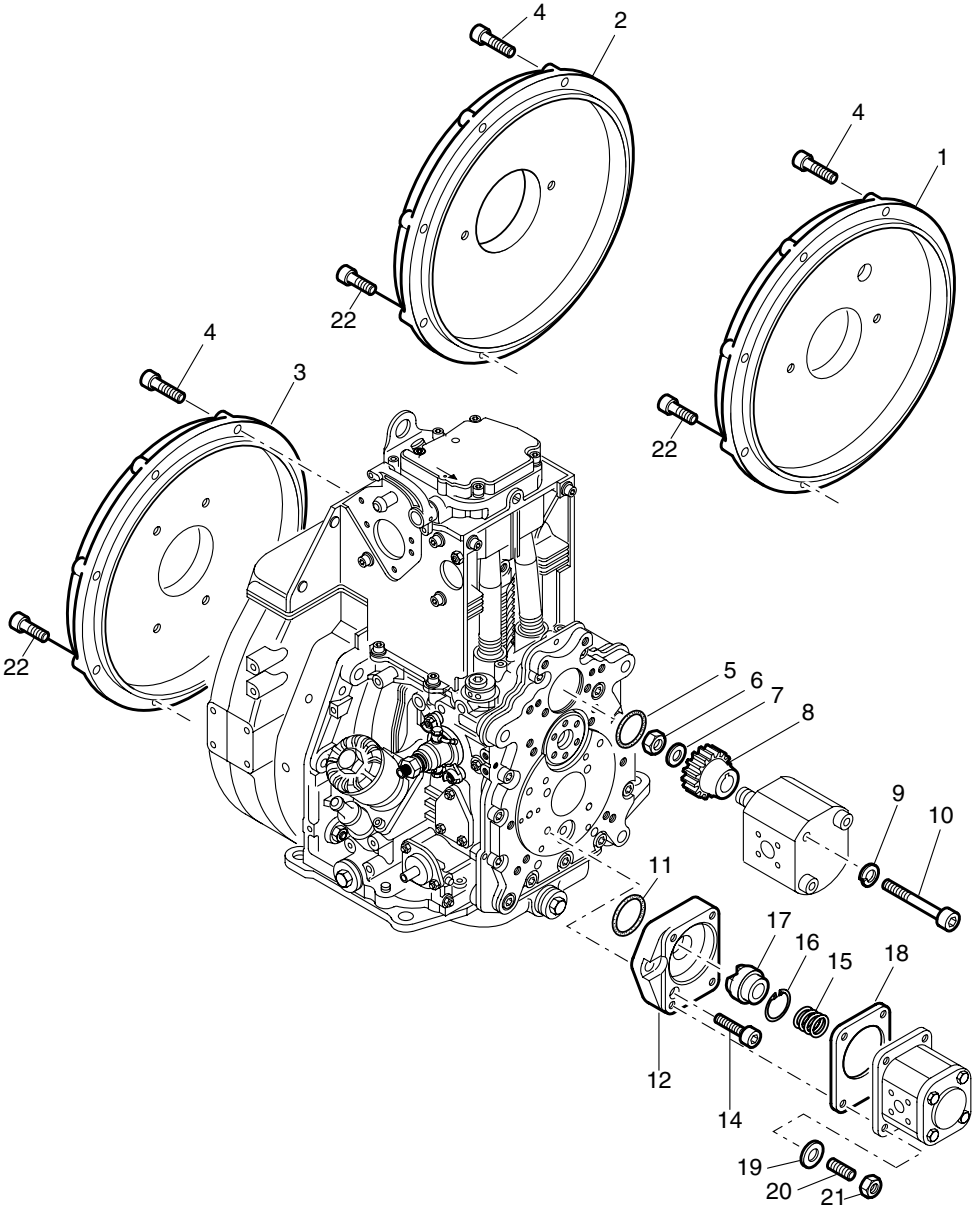


Fig.- No.	HATZ Ident-No.	Qty. Stück					W d / D	Notes Bemerkungen
		1D41	1D42	1D50	1D81	1D90		
1	0000 039 763 02	1	1	-	-	-		SAE „A“ 82,55
1	0000 039 538 03	-	-	1	1	1		SAE „A“ 82,55
2	0000 039 762 01	1	1	-	-	-		SAE „B“ 101,6
2	0000 039 536 04	-	-	1	1	1		SAE „B“ 101,6
3	0000 039 767 01	1	1	-	-	-		BOSCH 80
3	0000 039 539 03	-	-	1	1	1		BOSCH 80
4	0000 500 552 00	8	8	-	-	-		M 10 x 60 DIN 912-8.8A3C
4	0000 500 547 00	-	-	6	6	6		M10 X 45 DIN 912-8.8 A3C
5	0000 400 237 00	-	-	-	1	1		45 x 2
6	0000 503 814 00	-	-	-	1	1		M12 x 1,5 DIN 936 - 17H
7	0000 500 030 00	-	-	-	1	1		12 DIN 128
8	0000 040 220 00	-	-	-	1	1		
9	-----	-	-	-	-	-		
10	-----	-	-	-	-	-		
11	0000 503 753 00	1	1	1	1	1		46 x 2,5
12	0000 040 360 00	1	1	1	1	1		
14	0000 503 979 00	4	4	4	4	4		M10 X 22 DIN 912-8.8 A3C
15	0000 040 362 00	1	1	1	1	1		TUF360G
16	0000 500 197 00	1	1	1	1	1		
17	0000 040 359 00	1	1	1	1	1		J 14 x 1 DIN 472
18	0000 035 680 00	1	1	1	1	1		
19	0000 500 951 00	4	4	4	4	4		A 8 DIN 137 A3C
20	0000 500 378 00	4	4	4	4	4		M 8 x 22 DIN 835-10.9
21	0000 501 480 00	4	4	4	4	4		M 8 DIN 934-8 A3B
22	0000 500 543 00	-	-	2	2	2		M10 X 30 DIN 6912-8.8 A3C

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

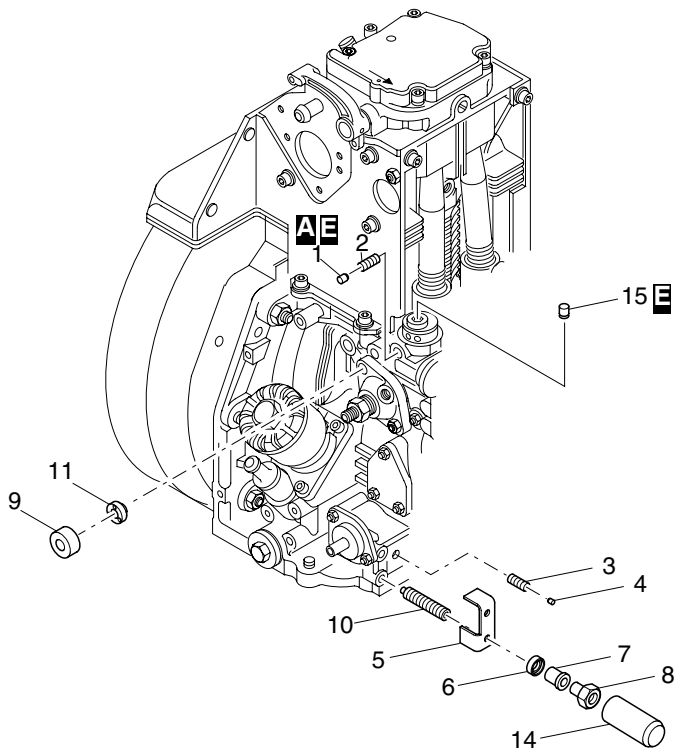


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1D42	1D50	1D81	1D90		
1	0000 041 670 10	1	1	1	1		6,9
2	0000 500 046 00	1	1	1	1		M 8 X 16 DIN 916-45H A3C
3	0000 504 035 00	1	1	1	1		M 8 X 20 DIN 914TUF360G
4	0000 041 537 00	1	1	1	1		4,15
5	0000 041 538 00	1	1	1	1		
6	0000 041 342 00	1	1	1	1		
7	0000 041 297 00	1	1	1	1		
8	0000 041 267 00	1	1	1	1		M6
9	0000 042 445 00	2	2	2	2		
10	0000 505 078 00	2	2	2	2		M 6 x 45
11	0000 042 392 00	2	2	2	2		
14	0000 041 877 00	1	1	1	1		
15	0000 042 059 01	1	1	1	1		

A	Austria	2320 Schwechat	Hofmann-Schranz G.m.b.H.	+43 - 1 - 7 07 06 08
A	Austria	4600 Wels	Motor Center Austria GmbH	+43 - 7242 - 4 71 61-0
A	Austria	5020 Salzburg	Ing. R. Schneider	+43 - 662 - 87 23 54
A	Austria	6065 Thaur	Romed Müssigang	+43 - 5223 - 49 28 34
A	Austria	6830 Rankweil	Ländletechnik Schäfer GmbH	+43 - 5522 - 4 50 60
A	Austria	8073 Feldkirchen	Langbauer - Motoren e.U.	+43 - 316 - 71 15 95
A	Austria	9170 Ferlach	Johann Koslitsch	+43 - 4227 - 59 33
AN	Angola	94099 Ruhstorf	HATZ Ruhstorf	+43 8531 319 0
AUS	Australia	2164 Smithfield NSW	HATZ Australia Pty. Ltd.	+61 - 2 - 8788 7999
AZ		1029 BAKU	AS TEXNIKA LLC	+99412 418 0106 562
B	Belgium	3090 OVERIJSE	BIA GROUP NV/SA	+32(0)2 689 28 11
BF	Burkina Faso	Ouagadougou 01	Impex Afrique	+226 - 50 43 37 37
BG	Bulgaria	1000 Sofia	ENERGIA-MARVAKOV GMBH	+359 - 29 62 14 95
BHT	Bhutan	Gongkhar Bumthang	Jigme Norbu Enterprise	+975 - 3 - 63 11 81 or 63 11 70
BR	Brazil	09220-790 SANTO ANDRE - SAO PAULO	DAIFORCE COM DE MAQ. E MOTORES	
LTDA		+55 11 4461 4979		
BRN	Bahrain	646 Nuwaidrat	Gulf Equipment & Technology (G.E.T.)	+973 - 170 00 08
BY	Belarus	223021 Minsk region	PC LTD, FOMAR	+375 - 17 - 507 68 20
CAM	Cameroon	DOUALA	EMEI DIESEL Sarl	00237 33 42 87 51
CDN	Canada	Dartmouth	DAC Industrial Engines Inc.	902/468-3765
CDN	Canada	Mississauga	Marindustrial Ontario Inc.	905-607-5052
CDN	Canada	Moncton	Marindustrial Inc.	506/852-3332
CDN	Canada	Montreal	Marindustrial Inc.	514/342-2748
CDN	Canada	WI 53186-1153 Waukesha	HATZ Diesel of America, Inc.	+1 - 262 - 5 44 02 54
CH	Switzerland	8852 Altendorf	Motorenfabrik HATZ AG	+41 - 55 - 4 51 75 30
CI	Côte d' Ivoire	1691 ABIDJAN 11	PRESTIGE - AUTO	+225 21756555
CN	China	Xiamen	Motorenfabrik Hatz GmbH & Co. KG.	+86 - 592 - 520 45 -28/-38/-78
CO	Columbia	94099 RUHSTORF A.D. ROTT	MOTORENFABRIK HATZ GMBH & CO.KG	+49 8531/319-373
CR	Costa Rica	94099 Ruhstorf	Motorenfabrik Hatz GMBH & CO. KG	+49 (0)8531 319 373
CY	Cyprus	4151 Kato Polemidhia - Limassol	L.NEMITSAS LTD	+357 - 25 - 56 92 25
CZ	Czech Republic	37001 Ceske Budejovice	David Servis spol. s.r.o.	+420 - 38 - 7 31 22 69
D	Germany	02730 Ebersbach	Peter Hirche	+49 - (0)3586 - 36 23 79
D	Germany	03130 Spremberg	Lischke Motortechnik	+49 - (0)3563 - 60 50 40
D	Germany	04509 Wiedemar	SERVICEZENTRALE	+49 - (0)34207 - 7 44 0
D	Germany	07957 Langenwetzendorf	LAREMO GmbH	+49 - (0)3 66 25 / 5 52 07
D	Germany	09669 Frankenberg	V. Kluge GmbH	+49 - (0)37206 - 22 17
D	Germany	12057 Berlin	Fritz Bugel GmbH	+49 - (0)30 - 6 84 25 45
D	Germany	15345 Altlandsberg	KFZ-Instandsetzung Hase	+49 - (0)33438 - 6 04 16
D	Germany	17235 Neustrelitz	Autek-Truck - Technik & Service GmbH	+49 - (0)3981 - 4 49 90
D	Germany	18055 Rostock	Mechanische Werkstatt	+49 - (0)381 - 69 08 20
D	Germany	18442 GROß-LÜDERSHAGEN	MOTOR-SPEZI	03831-444393
D	Germany	19348 Döpew	Bernd Jüchert	+49 - (0)3876 - 78 89 31
D	Germany	21107 Hamburg (Wilhelmsburg)	SERVICEZENTRALE	+49 - (0)40 - 7 56 05 70
D	Germany	23556 Lübeck	Kindt-Motoren	+49 - (0)451 - 8 13 06 80
D	Germany	24145 Kiel - Wellsee	Wulf Johannsen KG GmbH & Co.	+49 - (0)431 - 58 795 33
D	Germany	26215 NEUENKRÜGE	MOTORENINSTANDSETZUNG OLDENBURG GMBH	+49 - (0)441 -

7 20 21/22				
D	Germany	28199 Bremen	Reinhold Linnenbrügger GmbH	+49 - (0)421 - 50 40 48 / 50 40 49
D	Germany	31275 Lehrte	GM-Motoreninstandsetzung	+49 - (0)5132 - 27 22
D	Germany	33611 Bielefeld	Faust & Noel e.K.	+49 - (0)521 - 6 18 83
D	Germany	36433 Moorgrund / OT Gumpelstadt	Autohaus Kallenbach	+49 - (0)3695 - 8 42 38
D	Germany	37081 Göttingen-Grone	Gerhard Wienstroth GmbH & Co. KG	+49 - (0)551 - 69 31 10
D	Germany	39124 Magdeburg	Motoreninstandsetzung GmbH	+49 - (0)391 - 28 92 11 0
D	Germany	44143 Dortmund-Wambel	Dressendorfer GmbH & Co. KG	+49 (231) 565563(0)-11
D	Germany	47198 Duisburg	ASS	02841/1733117
D	Germany	48282 Ermsdetten	Herbert Schwarte GmbH	+49 - (0)2572 - 50 02
D	Germany	48653 Coesfeld	Loick Motoren Technik GmbH. & Co. KG.	+49 - (0)2541 - 7 00 44
D	Germany	49716 Meppen/Erms	KEM -KLOSKE ENERGIE- UND MOTORENTECHNIK	+49 5931 9844
51				
D	Germany	50859 Köln	Peter Müller GmbH	+49 - (0)2234 - 7 91 69
D	Germany	52477 Alsdorf - Mariadorf	B. Hamacher GmbH	+49 - (0)2404 - 9 85 60
D	Germany	52525 Heinsberg	Motoren Ritterbecks	02452-3126
D	Germany	54292 Trier	motormobile	+49 - (0)651 - 43 68 60
D	Germany	56323 Waldesch	Seibert & Münch	+49 - (0)2628 - 29 01
D	Germany	57368 Lennestadt	Motoreninstandsetzung	+49 - (0)2725 - 2 47
D	Germany	59069 Hamm-Rhynern	Friedel Dicke GmbH	+49 - (0)2385 - 7 08 06-0
D	Germany	59609 Anröchte	Friedrich Dicke GmbH & Co.KG	+49 - (0)2947 - 979863
D	Germany	64293 Darmstadt	SERVICEZENTRALE	+49 (0)6151 - 39 7 49 0
D	Germany	67661 Kaiserslautern (Siegelbach)	Emrich GmbH	+49 - (0)6301 - 80 82, 80 83
D	Germany	70188 Stuttgart	Eberle Hald Handel u. Dienstleistungen	+49 (0) 711 480 24 - 0
D	Germany	72555 Metzingen	Eberle Hald Handel u. Dienstleistungen	+49 - (0)7123 - 92 31 0
D	Germany	73492 Rainau-Goldshoefe	Eberle Hald Handel u. Dienstleistungen	+49 (0)7361 9718 02
D	Germany	76139 Karlsruhe	Ehlgötz	+49 - (0)721 - 6 23 54-0
D	Germany	76571 Gaggenau	SKS-Motoren GmbH	+49 - (0)7225 - 96 08 23
D	Germany	78652 Deisslingen	Eberle Hald Handel u. Dienstleistungen	+49 (0) 7425 3386 - 0
D	Germany	79211 Denzlingen	Karl Hoch GmbH	+49 - (0)7666 - 88 24-0
D	Germany	79331 Teningen - Nimbung	Eberle Hald Handel u. Dienstleistungen	+49 (0)7663 9309 - 0
D	Germany	81477 München	Stefan Lutzenberger	+49 - (0)89 - 78 20 39
D	Germany	83483 Bischofswiesen	Friedrich Dicke GmbH & Co. KG	+49 - (0)8652 - 6 43 06
D	Germany	84381 EMMERSDORF	BAUMASCHINEN & GARTENGERÄTE SAUER	+49 - (0)8564 96 35 603
D	Germany	88074 Meckenbeuren	Eberle Hald Handel u. Dienstleistungen	+49 (0) 7542 9410 - 0
D	Germany	90449 Nürnberg	Guth & Eberle GmbH	+49 - (0)911 - 6 88 79 53
D	Germany	94099 Ruhstorf	Motorenfabrik Hatz GmbH & Co. KG	+49 - (0)8531 - 31 90
D	Germany	94428 EICHENDORF	MARTIN STANGL	09952 9092672
D	Germany	97904 Dorfprozelten	MSG Mainschiffahrts-	+49 - (0)9392 - 93 41-0
DK	Denmark	2640 HEDEHUSENE (TAASTRUP KOMUNE)	Erenfred Pedersen A/S	+45 - 43 71 01
66				
DK	Denmark	6000 Kolding	Erenfred Pedersen A/S	+45 - 76 33 60 60
DK	Denmark	9000 Aalborg	Erenfred Pedersen A/S	+45 - 98 13 77 22
DOM	Dominican Rep.	Santo Domingo	La Antillana Comercial, S.A.	+1 - 809 - 5 65 31 51
DZ	Algeria	Alger	Dieselec S.A.R.L.	+213 23 77 65 68
E	Spain	01013 Vitoria	Talleres Solaf, S.A.	+34 - 945 - 260781

E	Spain	08038 Barcelona	Comercial Aim, S.L.	+34 - 93 - 3393250
E	Spain	15008 A Coruña	Talleres Hércules	+34 - 981 - 261650 / 252935
E	Spain	17469 Fortià (Girona)	Mauricio Xatart Tell	+34 - 972 - 534088
E	Spain	18080 Granada	Comercial Peña Torres	+34 - 958 - 816600
E	Spain	18200 Maracena	Talleres Soriano	+34 - 958 - 410689
E	Spain	23009 Jaén	Comercial Peña Torres, S.A.	+34 - 953 - 28 05 77
E	Spain	28942 Fuenlabrada (Madrid)	Austral Reparaciones y Servicios, S.L.	91 691 80 29
E	Spain	29004 Málaga	Comercial Peña Torres	+34 - 952 - 17 70 72
E	Spain	30500 Molina de Segura	Campos López	+34 - 968 - 386248
E	Spain	31192 Mutilva Alta	Maquinaria y Servicios ECA	+34 - 948 - 24 10 17
E	Spain	35008 El Sebadal	Fuendor	+34 - 928 - 46 53 06
E	Spain	38320 Taco	Fuendor (Repuestos)	+34 - 922 - 65 54 50
E	Spain	38350 Tacoronte	Lujor Maquinaria S.L.	+34 - 922 - 10 10 41
E	Spain	41007 Sevilla	Repuestos Corres	+34 - 954 361866
E	Spain	43206 Reus (Tarragona)	Tractomecanic Maquinaria S.L.	+34 - 977 - 314923
E	Spain	45600 Talavera de la Reina	Talleres Mendez	925 80 13 97
E	Spain	46469 Beniparell (Valencia)	Talleres Rimi	+34 - 96 - 1 21 70 91
E	Spain	47193 La Cisterniga	Zafara	+34 - 983 - 476851 / 225620
E	Spain	50016 Zaragoza	Loma e Hijos, S.L.	+34 - 976 - 575177 / 570809
E	Spain	50171 La Puebla de Alfindén (Zaragoza)	Motores HATZ Espana S.L.U.	+34 - 976 - 10 81 28
EAK	Kenya	00100 Nairobi	First Machineries Ltd.	+254 - 20 - 55 77 86
EC	Ecuador	Guayaquil	HYDRAPNE S. A.	+593(4)2326339
ES	El Salvador	San Salvador	TEMSA	+503 - 2239 8600
ET	Egypt	11331 Cairo	Market Leaders	+20 - 22 - 4 53 07 63, 4 53 09 17
ETH	Ethiopia	94099 RUHSTORF	MOTORENFABRIK HATZ GMBH & CO.KG	+49 8531 319 425
EW	Estonia	11612 Tallinn	Estmotor Oü	+372 - 6 52 65 95
F	France	13852 AIX-EN-PROVENCE	I.M.F.	+33 4 - 42 90 30 65
F	France	14123 IFS	BOUVET SARL	+33 - 2 - 31 52 01 47
F	France	14123 IFS	BOUVET SARL	+33 2 - 31 52 01 47
F	France	19360 Malemort	SGR Maintenance	+33 - 5 - 55 86 91 91
F	France	19360 Malemort	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 44 29
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
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	+33 - 2 - 47 28 94 94
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	+33 2 - 47 28 94 94
F	France	37170 Chambray-Les-Tours	Perron & Gay	+33 6-70-30-73-68
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	02-47-28-94-94
F	France	52901 Chaumont	Chaumont Poids Lourds	+33 3-25-71-47-47
F	France	52901 Chaumont Cedex 9	Chaumont Poids Lourds	+33 3 - 25 71 47 47

F	France	52901 Chaumont Cedex 9	Chaumont Poids Lourds	+33 3 25 71 47 47
F	France	56402 AURAY Cedex	PENQUEST	+33 - 2 - 97 24 16 59
F	France	59167 LALLAING	COMOTEQ	+33 - 3 - 27 99 35 23
F	France	67300 Schiltigheim	ALSIA SA	+33 - 3 - 88 33 05 95
F	France	69684 Chassieu Cedex	HATZ-France	+33 - 4 - 78 90 73 25
F	France	76800 SAINTETIENNE DU ROUVRAY	MORISSE-NAYRAT MOTORS	02-32-95-91-63
F	France	78160 Le Perray en Yvelines	SUD-MAT SAS	+33 - 1 - 34 57 85 00
F	France	78310 Le Perray en Yvelines	SUD-MAT S.A.S.	+33 - 1 - 34 57 85 00
F	France	78310 Le Perray-en-Yvelines	SUD-MAT S.A.S.	+33 - 1 - 34 57 85 00
F	France	78310 Le Perray-en-Yvelines LE PERRAY-EN-YVELINES	SUD-MAT S.A.S.	+33 - 1 - 34 57
85 00				
F	France	78703 CONFLANS-STE-HONORINE	DIESEL MARINE	+33 - 1 - 39 72 68 83
F	France	94290 VILLENEUVE LE ROI	S.F.2.A	+33 - 1 - 49 61 30 90
FIN	Finland	01390 Vantaa	Finmotor Oy	+358 - 9 - 8 70 09 70
FJI	Fiji	2164 Smithfield NSW	HATZ Australia Pty. Ltd.	+61 - 2 - 8788 7999
G	Gabon	Libreville	MIAG	+241 5 724435
GB	Great Britain	BL4 OLS Bolton	Seddons Plant	+44 - 1204 - 85 46 00
GB	Great Britain	BS20 7XE Bristol	Rollo UK	+44 1275 377800
GB	Great Britain	CF24 5EL Cardiff	CPS (European) Ltd.	+44 2920 453194
GB	Great Britain	CM9 5FA Essex	Taylor Construction Plant Ltd	+44 (0)1621 850777
GB	Great Britain	CV21 1PB Warkwickshire	BrownPower Eng Ltd	+44 - 1788 - 57 75 75
GB	Great Britain	CV21 3RQ Warks	Seddons Plant Ltd	+44 (0)1788 577575
GB	Great Britain	EX15 2AU Devon	Taylor Construction Plant Ltd	+44 (0)1884 266815
GB	Great Britain	FK16 6AU Perthshire	Young Plant & Equipment	+44 - 1786 - 84 15 98
GB	Great Britain	GL17 0IA Gloucestershire	Titan Industrial Ltd	+44 - 1452 - 83 18 21
GB	Great Britain	KT10 9AJ Surrey	A&P Services (Surrey) Ltd	+44 1372 468315
GB	Great Britain	LE10 3BP Hinckley, Leics.	HATZ Great Britain Ltd.	+44 - 1455 - 62 21 01
GB	Great Britain	LN1 2LR Lincoln	CG Plant Sales	+44 - 1522 - 70 40 14
GB	Great Britain	LS12 5AJ Leeds	Chippindale Plant Ltd	+44 - 113 - 2 63 23 44
GB	Great Britain	LS12 6EP Leeds	W.G. Search Ltd	+44 - 1132 - 79 79 90
GB	Great Britain	LU5 6HF Dunstable	Southern Plant Ltd.	+44 845 304 0001
GB	Great Britain	ME20 6SE Kent	Leach Lewis Plant Ltd.	+44 1622 718118
GB	Great Britain	NE4 7AX Newcastle	John Nixon Ltd.	+44 - 191 - 2 26 06 66
GB	Great Britain	NN11 8QJ Northants	Bryco Group Ltd.	+44 - 1327 - 87 61 66
GB	Great Britain	PL12 6LX Cornwall	AB Services Ltd.	+44 - 1752 - 84 88 20
GB	Great Britain	PO13 0FJ Hampshire	Meetens Industrial Engines	+44 845 6340297
GB	Great Britain	PR4 QJA 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 TEMSAS.A.	+ 502 - 2334 3484
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
HK	Hong Kong	Xiamen	Motorenfabrik Hatz GmbH. & Co. KG.	+86 - 592 - 520 45 -28/-38/-78
HN	Honduras	12101 Comayaguela - Tegucigalpa, D.C.	Corporación Comercial, S.A. de C.V.	+504 - 222 0576, +504-2237-5195
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 Treviso 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	Morettauto 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 Tommaso 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 Roccamare (SA)	Siorza 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		94099 Ruhstorf	Motorenfabrik Hatz GmbH & Co.KG	+49 8531 319 306
IR	Iran	Eheran	Mr. B. Amyari	+98 - 9123152982
IRL	Ireland	BT36 4BX 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
IRL	Ireland	Dublin 22	D.E. Power Solutions	+353 4018844
IS	Iceland	110 Reykjavik	Tækjasalan ehf.	+354-5672520
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 Almaty	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	Maqro, S.A. DE CV.	011 52 81 31 20 00
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	Machiniefabriek 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	4100-801 Porto Codex	Pinto & Cruz - Motores e Equipamentos S.A.	+351/707 225 500
PA	Panamá	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	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 Zielonka	E.M.A. Hochschulz S.C.	+48 - 58 - 6 73 60 80
PL	Poland	85-549 Bydgoszcz	Technet S.C.	+48 - 52 - 3 70 70 90
PL	Poland	95-002 Smardzew	Broker - Servis	+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
S	Sweden	417 55 Göteborg	Blombergs Diesel & Motor AB	+46 031 221220
S	Sweden	574 35 Vetlanda	Höglandets 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	Skellettea El & 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 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	Electro Diesel & Co. Ltd.	+1-868 657 8733
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	80010 Aurora	EC Power Systems	303/360-7110
USA	United States	84120 Salt Lake City	EC Power Systems	801/886-1424
USA	United States	Boise	EC Power Systems	208/342-6541
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 Mahtadi Sons Company Ltd.	+967 1 22 25 29
YV	Venezuela	Caracas	Maquinarias Larraq, 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.	IMT-No.
1D41 (Serial No. 094 xx)	1D81 (Serial No. 073 xx)
1D41.10 →.11 95.543	1D81.12 →.13 96.552
1D41.11 →.12 96.555	1D81.13 →.14 96.553
1D41.12 →.13 96.556	1D81.14 →.15 96.554
1D41.13 →.14 97.562	1D81.15 →.16 97.562
1D41.14 →.15 97.563	1D81.16 →.17 97.565
1D41.15 →.16 97.565	1D81.17 →.18 97.570
1D41.16 →.17 98.584	1D81.18 →.19 98.579
1D41.17 →.18 00.602	1D81.19 →.20 00.596
1D41.18 →.19 02.618	1D81.20 →.21 00.599
1D41.19 →.20 04.637	1D81.21 →.22 01.609
1D41.20 →.21 05.645	1D81.22 →.23 02.618
1D41.21 →.22 10.700	1D81.23 →.24 05.643
	1D81.24 →.25 08.675
1D42 (Serial No. 133 xx)	1D81.25 →.26 10.700
1D42.10 →.11 10.700	1D81.26 →.27 13.712
1D42 (Serial No. 155 xx)	1D81 (Serial No. 160 xx)
1D42.10	1D81.27
1D42 (Serial No. 172 xx)	1D81 (Serial No. 166 xx)
1D42.10	1D81.27
1D42C (Serial No. 157 xx)	1D81 (Serial No. 171 xx)
1D42C.10	1D81.27
1D50 (Serial No. 109 xx)	1D81 (Serial No. 316 xx)
1D50.11 →.12 00.593	1D81.26 →.27 13.712
1D50.12 →.13 00.605	1D90 (Serial No. 108 xx)
1D50.13 →.14 02.618	1D90.10 →.11 97.562
1D50.14 →.15 04.637	1D90.11 →.12 97.565
1D50.15 →.16 05.644	1D90.12 →.13 97.570
1D50.16 →.17 10.693	1D90.13 →.14 98.579
1D50.17 →.18 10.700	1D90.14 →.15 00.603
1D50.18 →.19 10.701	1D90.15 →.16 00.599
1D50.19 →.20 11.702	1D90.16 →.17 02.618
	1D90.17 →.18 05.646
1D50 (Serial No. 156 xx)	1D90.18 →.19 10.700
1D50.10	1D90.19 →.20 13.712
	1D90 (Serial No. 167 xx)
	1D90.20
	1D90 (Serial No. 169 xx)
	1D90.20