



MOTORENFABRIK HATZ • D-94099 Ruhstorf • Germany
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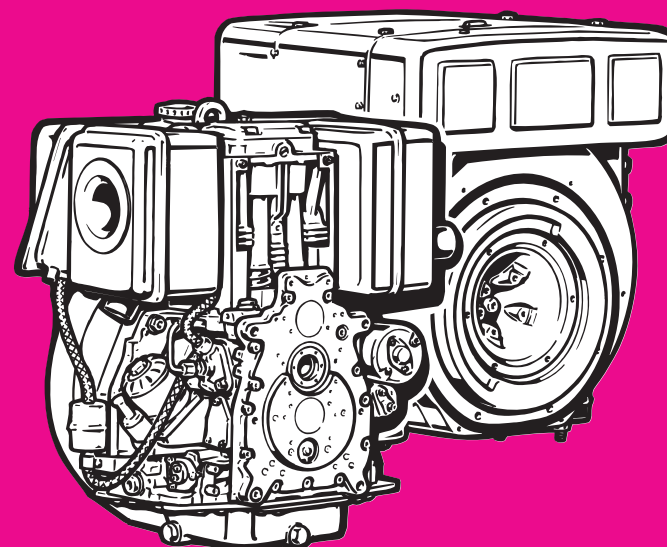
Original-Ersatzteile

Original-spare parts

Pièces de rechange d'origine

Repuestos originales

Pezzi di ricambio originali



1D 41.

1D 50.

1D 81.

1D 90.

Bestellung für HATZ-Original-Ersatzteile

Order for HATZ Original spare parts

Commande de pièces d'origine HATZ

Pedido de repuestos originales HATZ

Ordine parti di ricambio originali HATZ

1

Besteller / Customer / Client / Cliente / Cliente

2

TYP

MOTOR/FABRIK NO.

MIN-1



3

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

1D41.20 □ 1D50.15 □ 1D81.23 □ 1D90.17 □

4

Stück / Qty / Q.tà	HATZ Ident No.	Stück / Qty / Q.tà	HATZ Ident No.

5

Versandart / Mode of dispatch / Mode d'expédition / Despacho deseado / Modo di spedizione

Post / Surface / Poste / Correo / Posta ☐ Luftfracht / airfreight / frêt aérien / flete aereo / Via aerea ☐

Express / express / exprès / expreso / Espresso ☐ ☐

6

Versandadresse / Consignee / Adresse destination / Dirección / Indirizzo di destinazione

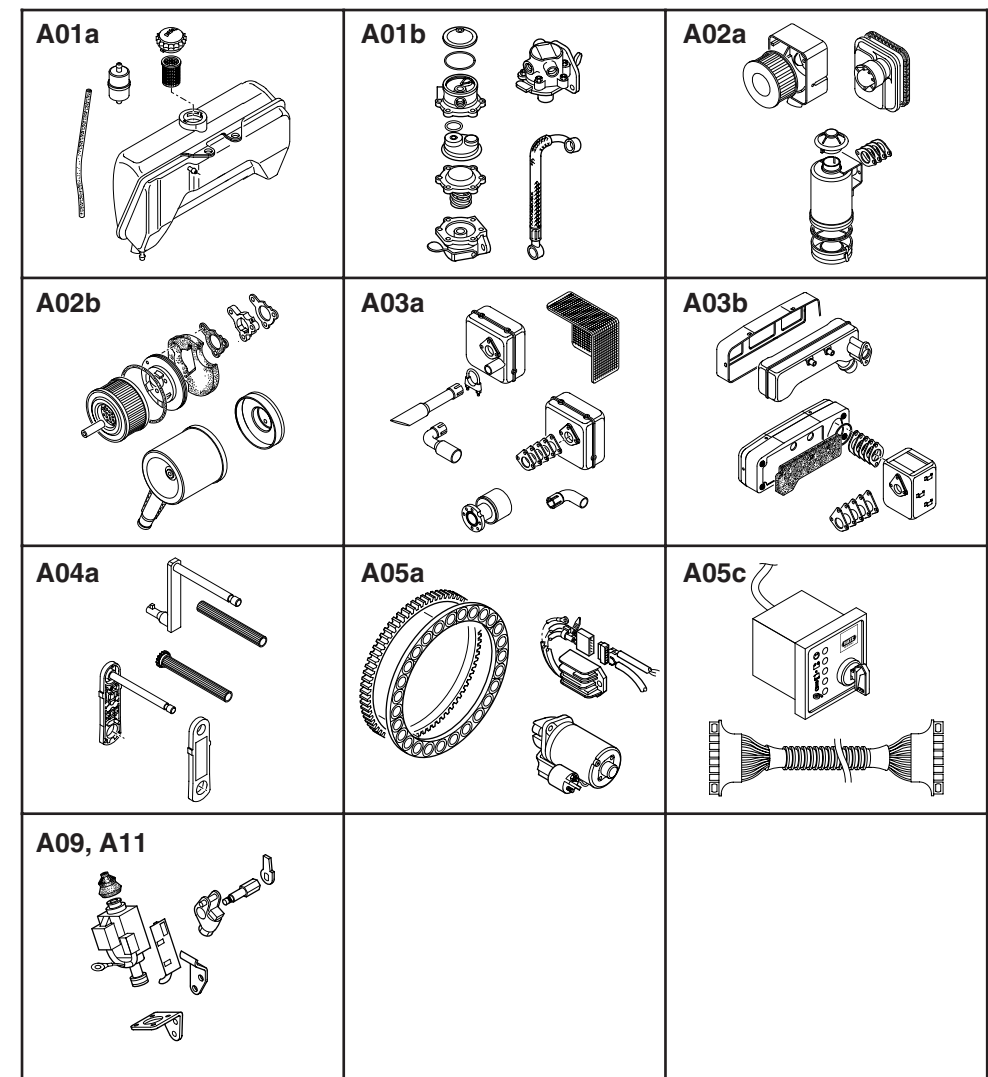
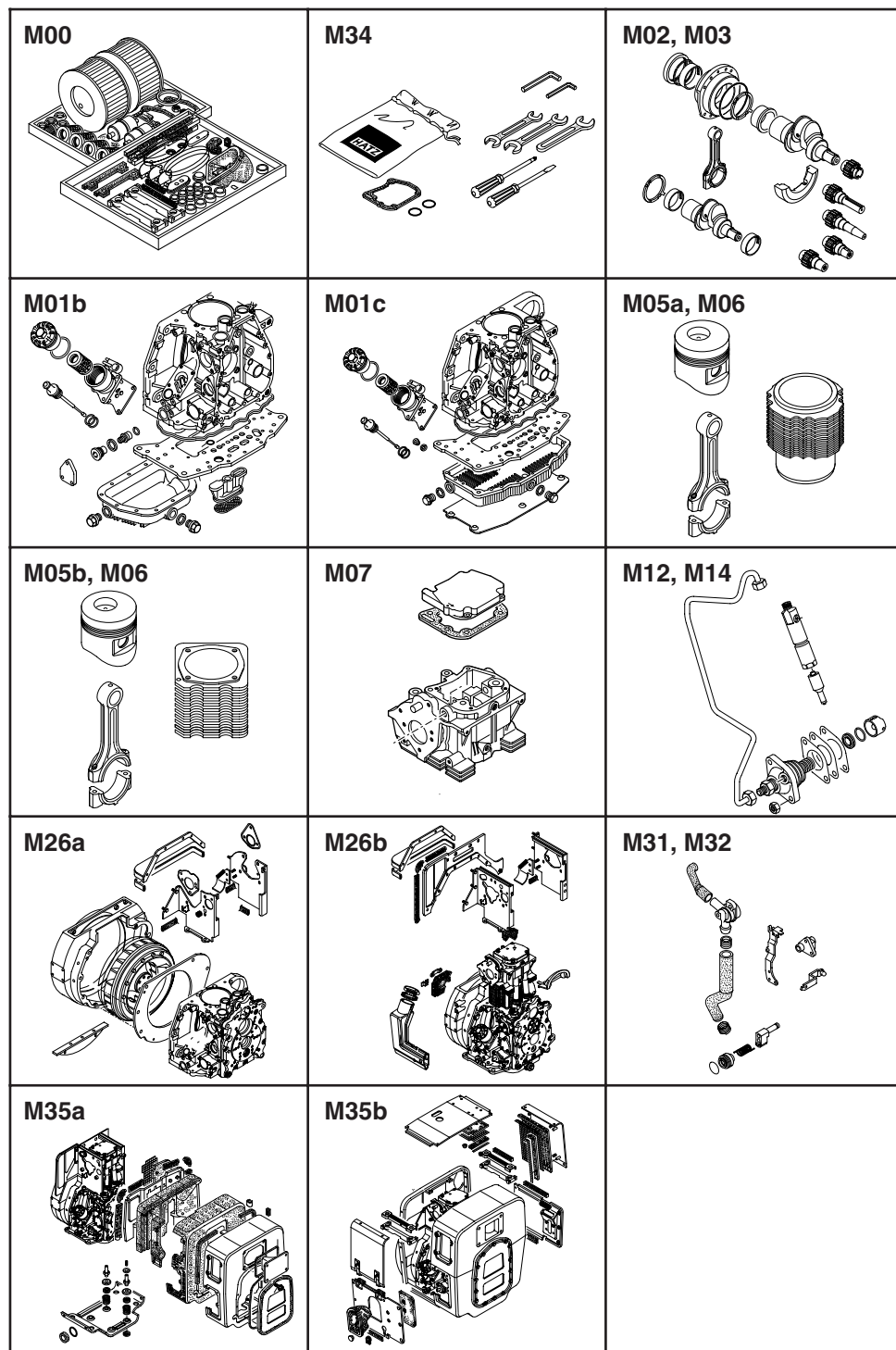
Bestellung an: Order at: Commande à: Pedido a:

- die nächste HATZ-Servicestelle (siehe Servicestellenverzeichnis)
- your nearest HATZ service station (see service-list)
- votre station-service HATZ la plus proche (voir liste "Service")
- al servizio HATZ más cercano (ver cuaderno de Servicio)
- al più vicino centro di servizio HATZ (vedi lista centri autorizzati)

MOTORENFABRIK HATZ
D-94099 RUHSTORF

Tel: 0 85 31 / 319 - 0

Fax: 0 85 31 / 31 94 21



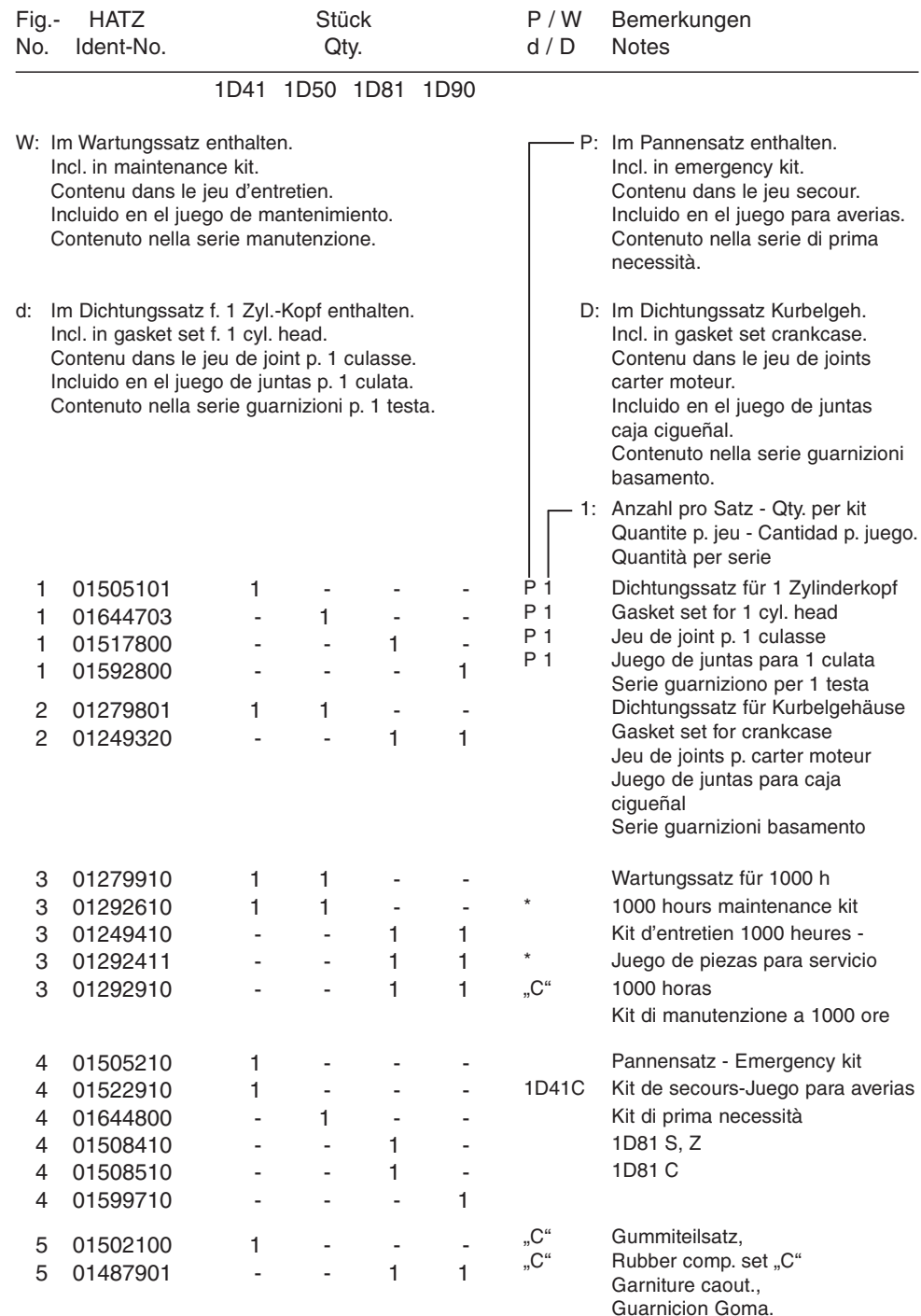
Weitere Ersatzteilm Informationen erhalten sie bei Ihrer nächsten Servicestelle und im Internet unter:
Further spare parts information will be provided at your nearest service agent and in the Internet under:

Pour des informations complémentaires concernant les pièces détachées, veuillez contacter l'agent Hatz le plus proche ou Internet sous:

Para conseguir información adicional sobre repuestos dirigirse al distribuidor Hatz más cercano o bien en internet:

Ulteriori informazioni in merito ai pezzi di ricambio vi saranno fornite dal vostro agente Hatz più vicino oppure in Internet qui sotto:

<http://www.hatz-diesel.de>



M34

Zubehör
Accessories
Accessoires
Accessorios
Kit accessori

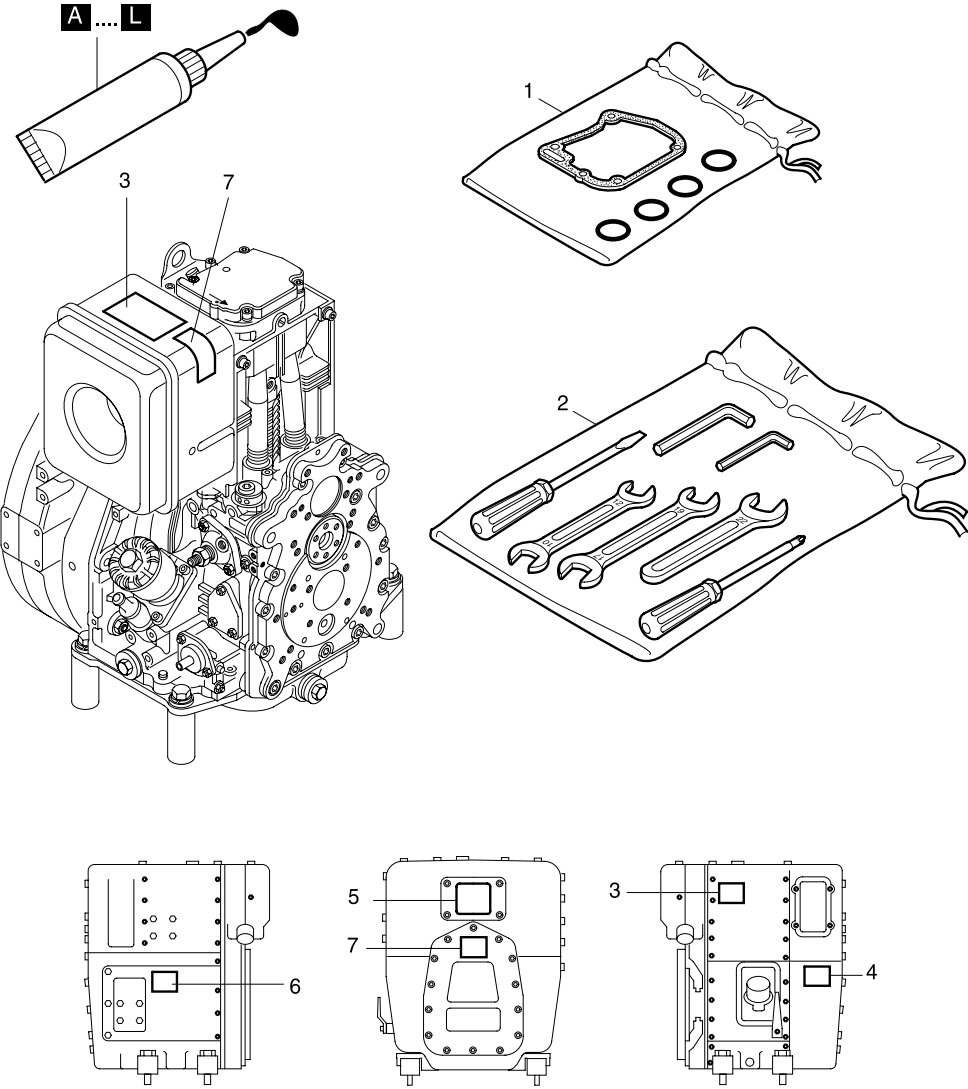


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	01247512	1	1	1	1		Zubehörsatz - Accessories kit
2	01247600	1	1	1	1		
3	04048301	1	1	1	1		
4	03614401	1	-	1	-		"C" "C"
5	05034700	1	-	1	-		"C"
6	03614401	1	-	1	-		"C" "C"
7	05025200	1	1	1	1		Handstart, demarr. man.

Dicht- und Klebstoffe Sealing- and bonding adhesives Etanchéifiant et Colle			Materias para empaquetar y pegar Adesivi e collanti	
A = 502 230 01	Loctite Activator N	500 ml	siehe Hinweis auf den einzelnen Bildtafeln	
B = 502 231 01	Loctite 574	50 ml		
C = 502 232 00	Loctite 601	50 ml		
D = 502 233 00	Loctite 221	50 ml	as specified in the individual tables	
E = 502 234 00	Loctite 648	10 ml		
F = 502 238 00	Technicoll 8058	0,75 kg	suivant les remarques sur les tableau correspondant	
+ 502 239 00	Technicoll 8367	0,75 kg		
G = 502 565 01	Loctite IS 407	20 g	según las indicaciones de las tablas correspondientes	
H = 502 825 01	Silicon	30 ml		
J = 502 830 04	Hochtemp. Paste	100 ml		
K = 503 426 01	Hochtemp. Fett	400 g	seguire le indicazioni sul quadro corrispondente	
L = 502 566 00	Silicon sealer	100 g		
M = 504 851 00	Schleifpaste	80 g		

M01b

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigueñal
Basamento motore

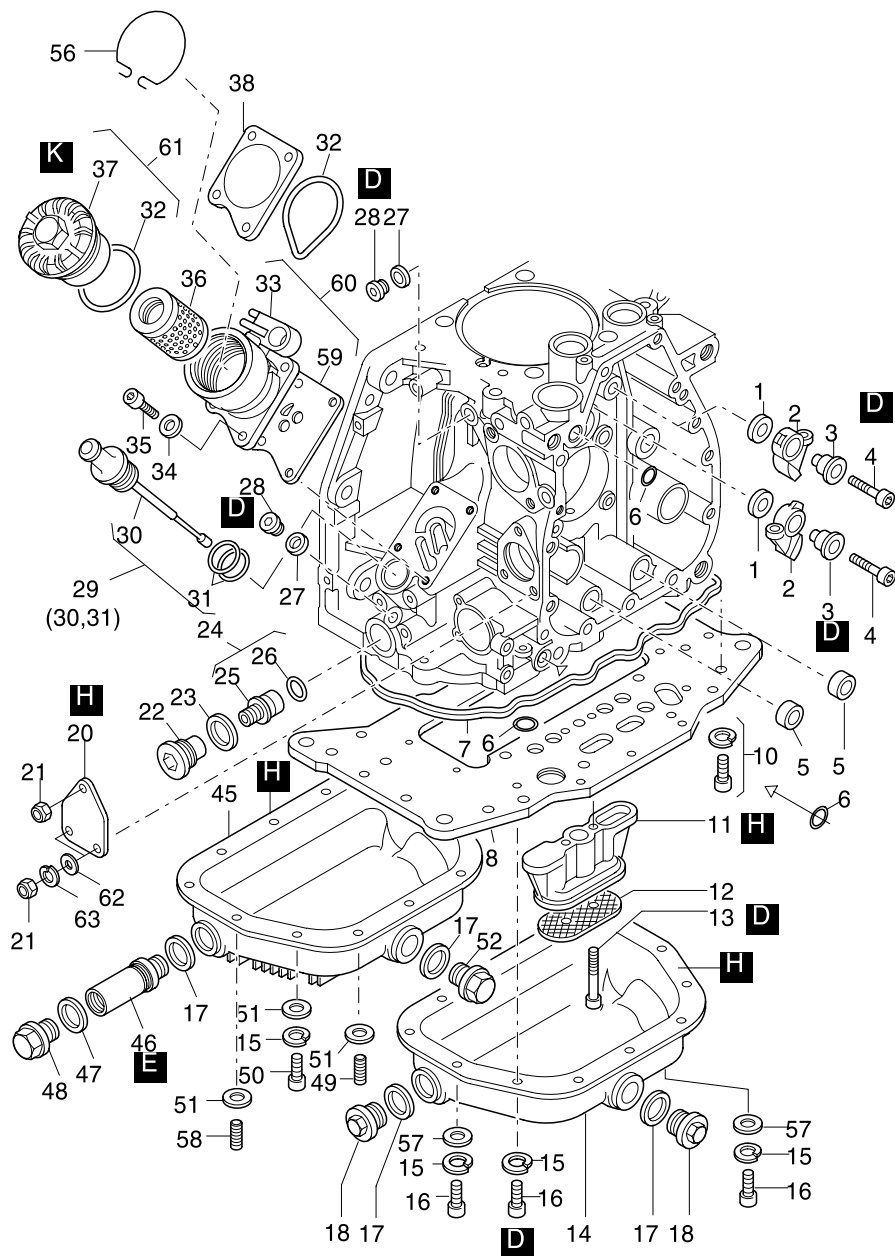


Fig.- No.	HATZ Ident-No.	Stück Qty.			P / W d / D	Bemerkungen Notes
		1D41	1D81	1D90		
1	03794100	2	2	2		10,1 x 22 x 3
2	03794300	2	2	2		
3	03794201	2	2	2		
4	50545500	2	2	2		M 6 x 30 DIN 912-8.8 KL 360
5	03795800	2	2	2	D2	12 x 18,3 x 7,3
6	50329000	3	3	3	D3	9,5 x 2,5
7	03795100	1	1	1	D1	265 x 269,4 x 3,6
8	01270300	1	-	-		
8	01248810	-	1	1		
10	50417600	22	22	22		M 8 x 25 Z4 DIN 912-8.8 A3C
11	04023300	1	-	-		
11	03794900	-	1	1		
12	03795000	1	1	1		
13	50051100	2	-	-		M 6 x 30 DIN 6912-8.8
13	50327100	-	2	2		M6x50 DIN 6912-8.8 A3C
14	01255410	1	-	-		
14	01241700	-	1	1		"S, Z"
15	50170900	12	12	12		6 DIN 128 - A3C
16	50329100	12	12	12		M 6x10 DIN 912-8.8 Inbus Plus
17	50001600	2	2	2	D2,W4	A 22 x 27 DIN 7603 Cu
18	50373100	0... 2	0... 2	0... 2		AM22x1,5DIN7604A3C MAGN.
18	50140400	0... 2	0... 2	0... 2		AM22x1,5DIN7604-5.8A3C "C"
20	03794701	1	1	1		
21	50328300	3	3	3		VM 6 DIN 980-8 A3C
22	01321200	1	1	1		M 24 x 1,5
23	50286400	1	1	1	D1	A 24 x 29 DIN 7603-Cu
24	01321100	1	1	1		
25	-----	-	-	-		
26	50460400	1	1	1	D1	18 x 2
27	50062400	2	2	2	D2	A 10 x 13,5 DIN 7603-Cu
28	50062300	2	2	2		M 10 x 1 DIN 908-5.8 A3C
29	01255200	1	-	-		
29	01241500	-	1	1		
30	-----	-	-	-		
31	50359700	2	2	2	D2	20,29 x 2,62
32	50329200	2	2	2	D2,W1	50 x 55 x 3
33	-----	-	-	-		
34	50081200	4	4	4		A 6 DIN 137 - A3C
35	50170600	4	4	4		M 6 x 20 DIN 912-8.8 A3C
36	01480000	1	1	1	W4	
37	-----	-	-	-		
38	04033401	1	1	1		
45	04045800	-	1	1		"C"
46	03550500	1	-	-		116 mm "C"
46	04046300	-	1	1		92 mm "C"

M01b

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigueñal
Basamento motore

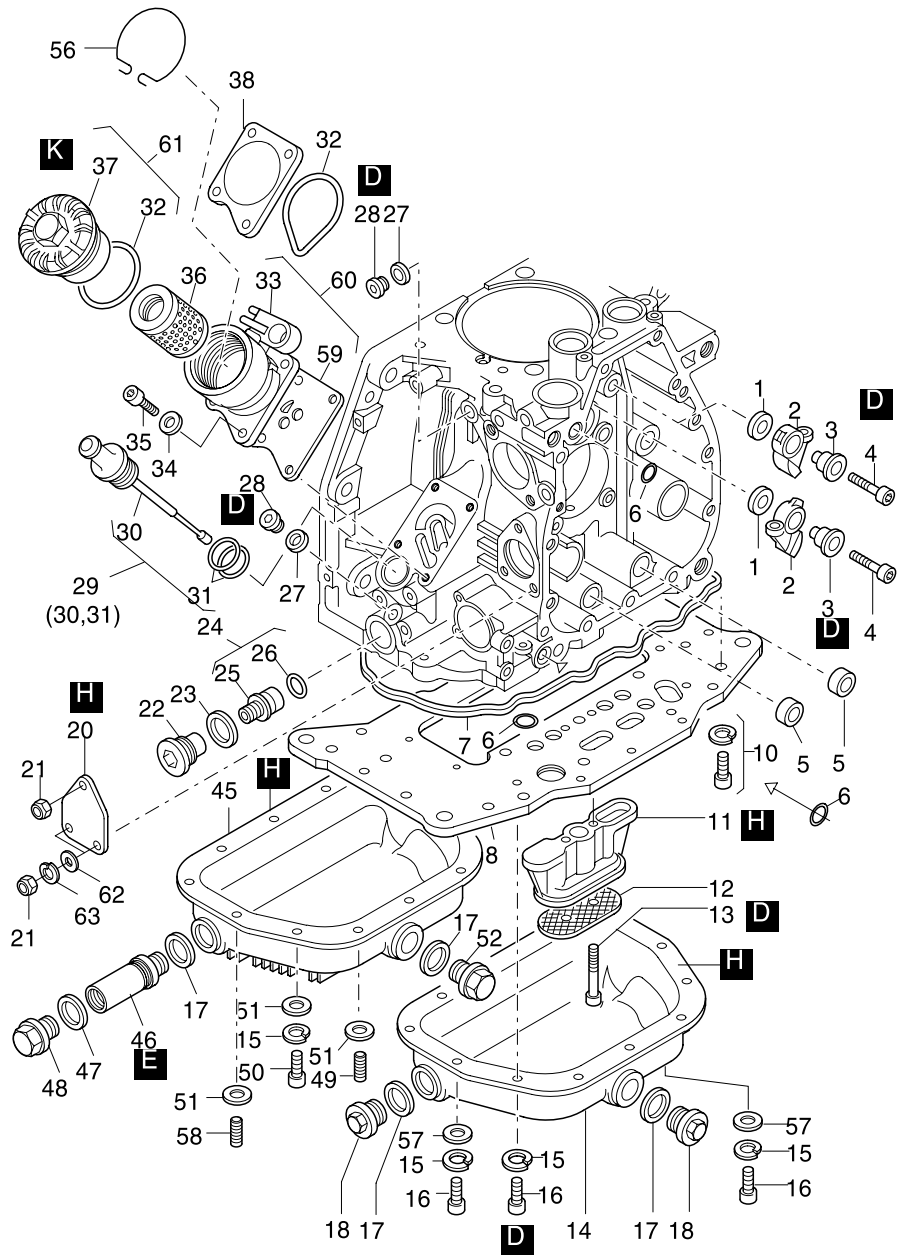


Fig.- No.	HATZ Ident-No.	Stück Qty.			P / W d / D	Bemerkungen Notes
		1D41	1D81	1D90		
47	50001400	1	1	1		A 18 x 22 DIN 7603 Cu "C"
48	50044200	1	1	1		M 18 x 1,5 DIN 910 "C"
49	50434300	2	2	2		M 6 x 20 DIN 939-8.8 "C"
50	50050700	-	8	8		M 6 x 16 DIN 912-8.8 "C"
51	50144500	-	12	12		6,4 DIN 125-St A3C "C"
52	50140400	1	1	1		AM22x1,5DIN7604-5.8A3C "C"
56	04084001	1	1	1		
57	50144500	2	-	-		6,4 DIN 125-St A3C
58	50139201	2	2	2		M6 x 16 DIN 939-8.8 A3C "C"
59	05068900	1	1	1	D1	
60	01318300	1	1	1		
61	01248901	1	1	1		
62	50144500	2	2	2		6,4 DIN 125-St A3C
63	50170900	2	2	2		6 DIN 128 - A3C

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigueñal
Basamento motore

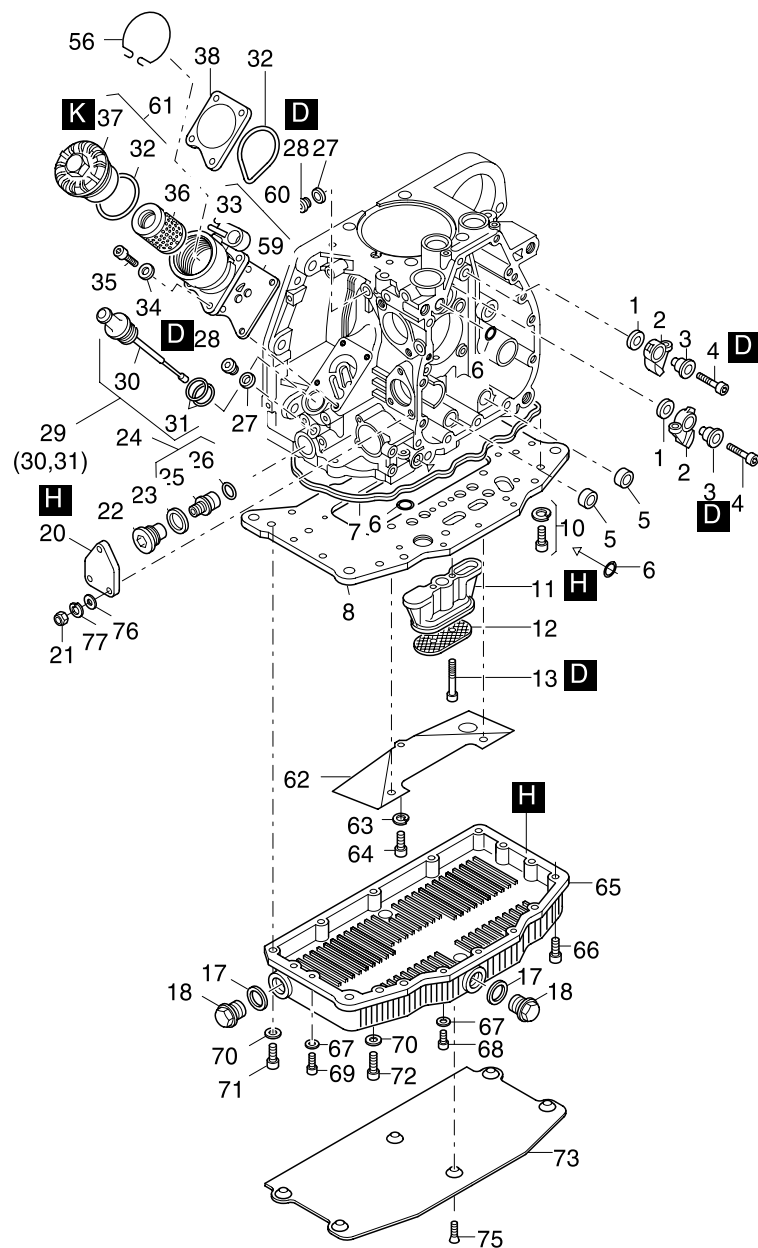
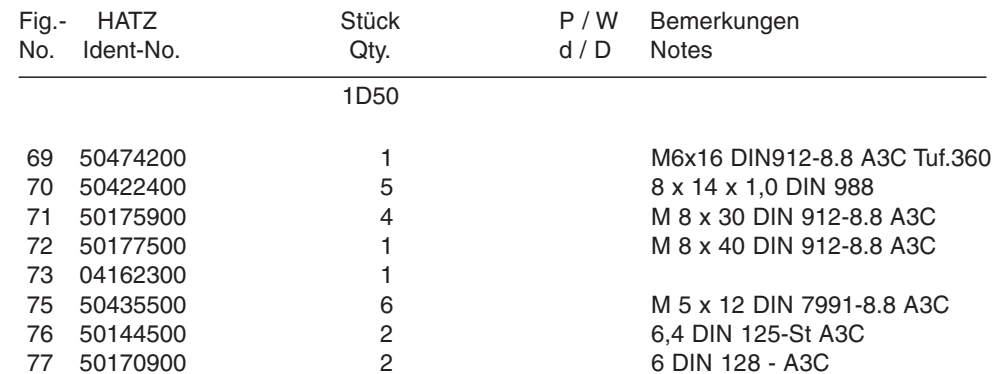


Fig.- No.	HATZ Ident-No.	Stück Qty.	P / W d / D	Bemerkungen Notes
1D50				
1	03794100	2		10,1 x 22 x 3
2	03794300	2		
3	03794201	2		
4	50545400	2		M 6 x 25 DIN - 8.8 A3C KL 360
5	03795800	2	D1	12 x 18,3 x 7,3
6	50329000	3	D3	9,5 x 2,5
7	03795100	1	D1	265 x 269,4 x 3,6
8	01644500	1		
10	50417600	12		M 8 x 25 Z4 DIN 912-8.8 A3C
11	04023300	1		
12	03795000	1		
13	50051100	2		M 6 x 30 DIN 6912-8.8
17	50459100	2	D2,W4	A 22 x 27 DIN 7603-AI
18	50373100	0... 2	W1	AM22x1,5DIN7604A3C MAGN.
18	50140400	0... 2		AM22x1,5DIN7604-5.8A3C
20	03794701	1		
21	50328300	3		VM 6 DIN 980-8 A3C
22	01321200	1		M 24 x 1,5
23	50286400	1	D1	A 24 x 29 DIN 7603-Cu
24	01321100	1		
25	-----	-		
26	50460400	1	D1	18 x 2
27	50062400	2	D2	A 10 x 13,5 DIN 7603-Cu
28	50062300	2		M 10 x 1 DIN 908-5.8 A3C
29	01255200	1		
30	-----	-		
31	50359700	2	D2	20,29 x 2,62
32	50329200	2	D2,W1	50 x 55 x 3
33	-----	-		
34	50081200	4		A 6 DIN 137 - A3C
35	50170600	4		M 6 x 20 DIN 912-8.8 A3C
36	01480000	1	W4	
37	-----	-		
38	04033401	1		
56	04084001	1		
59	05068900	1		
60	01318300	1		
61	01248901	1		
62	04134600	1		
63	50170900	1		6 DIN 128 - A3C
64	50329100	1		M 6x10 DIN 912-8.8 Inbus Plus
65	04134110	1		
66	50417400	7		M 8 x 30 DIN 912-8.8 A3C/6900
67	50144500	4		6,4 DIN 125-St A3C
68	50459700	3		M 6 x 25 DIN 912-8.8 A3C Tuf.

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigueñal
Basamento motore



M02, M03

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

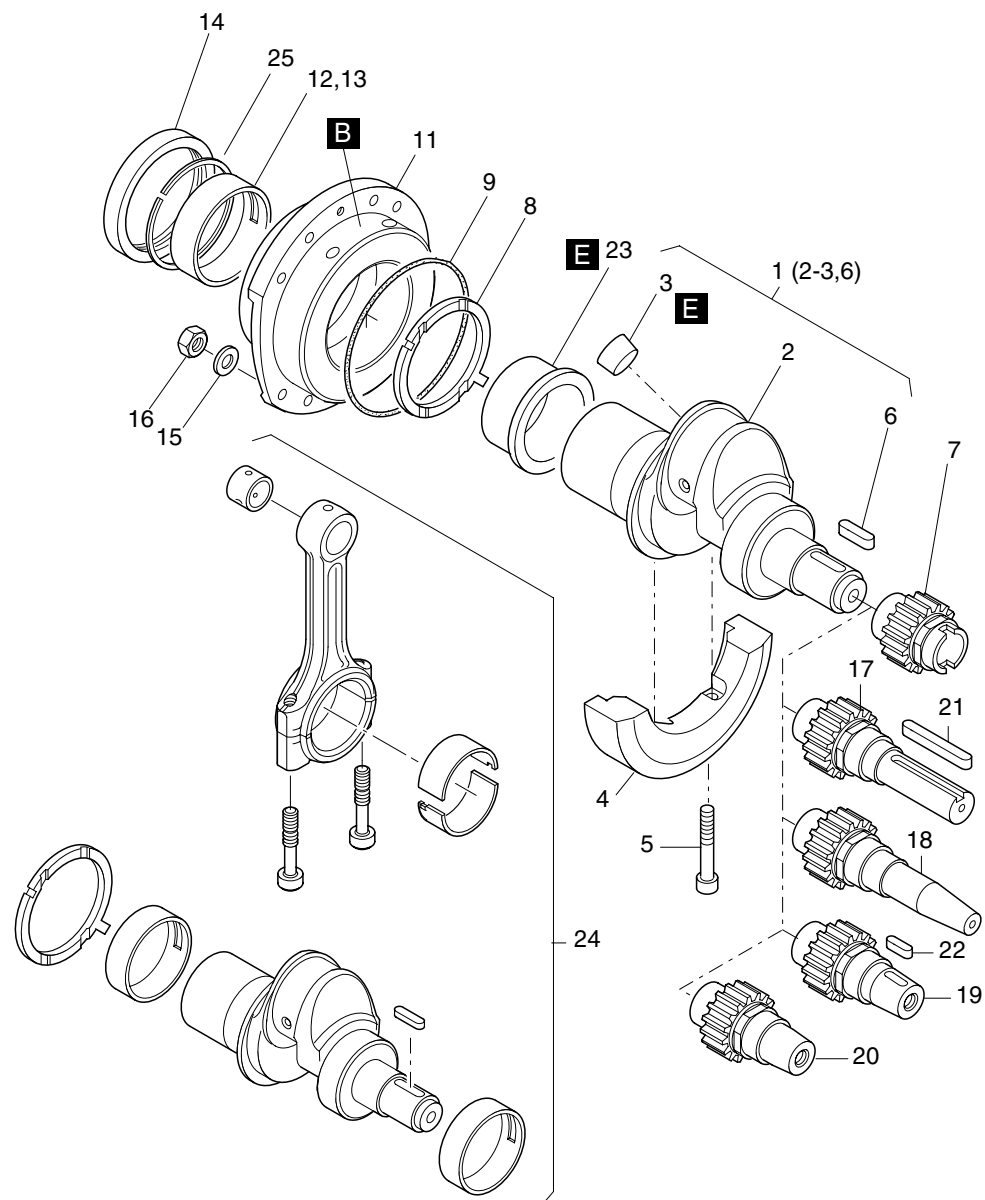


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	01269910	1	-	-	-		
1	01337210	-	1	-	-		
1	01269820	-	-	1	1		
2	-----	-	-	-	-		
3	50345800	1	1	-	-		22 DIN 443
3	50087200	-	-	1	1		28 DIN 443
4	04023502	1	1	-	-		
4	03796000	-	-	1	1		
5	50127900	2	2	-	-		M 8 x 40 DIN 912 - 10.9
5	50055000	-	-	2	2		M 10 x 50 DIN 912-10.9
6	50362600	1	1	1	1		A 6 x 4 x 32 DIN 6885 St 60
7	03796120	1	1	1	1		
8	04024600	1	1	-	-		
8	04000600	-	-	1	1		
9	50349700	1	1	-	-	D1	100 x 2,5
9	50224900	-	-	1	1	D1	123 x 2,5
11	04136300	1	1	-	-		
11	04064210	-	-	1	1		
12	04024500	1	1	-	-		
12	04006800	-	-	1	1		
13	04048700	1	1	-	-		- 0,5 mm
13	04036100	-	-	1	1		- 0,5 mm
14	50368101	1	1	-	-	D1	52 x 80 x 10
14	50362701	-	-	1	1	D1	62 x 90 x 10
15	50413600	8	8	8	8		8,4 300 HV DIN 125A-A3C
16	50364300	8	8	8	8		M 8 DIN 934 - 10.9 A3C
17	04023120	1	1	1	1		SAE ...2 ø 1" zyl., cyl.
18	01485500	1	1	1	1		SAE ...4 ø 1" keg.
19	04022910	1	1	1	1		ITAL. ...3 ø 30 mm tap.
20	05033200	1	1	1	1		ITAL. ...6 ø 23 mm con.
21	05141600	1	1	1	1		A 6,35 x 61
22	50017800	1	1	1	1		4 x 6,5 DIN 6888
23	50414400	-	-	0...1	0...1		
24	01511910	1	-	-	-		1D30 - 1D41 Rep.-Satz KW
24	01512010	-	-	1	1		1D60 - 1D90 Rep.-kits cksr.
25	50458000	1	1	-	-		SB 60

M05a, M06

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

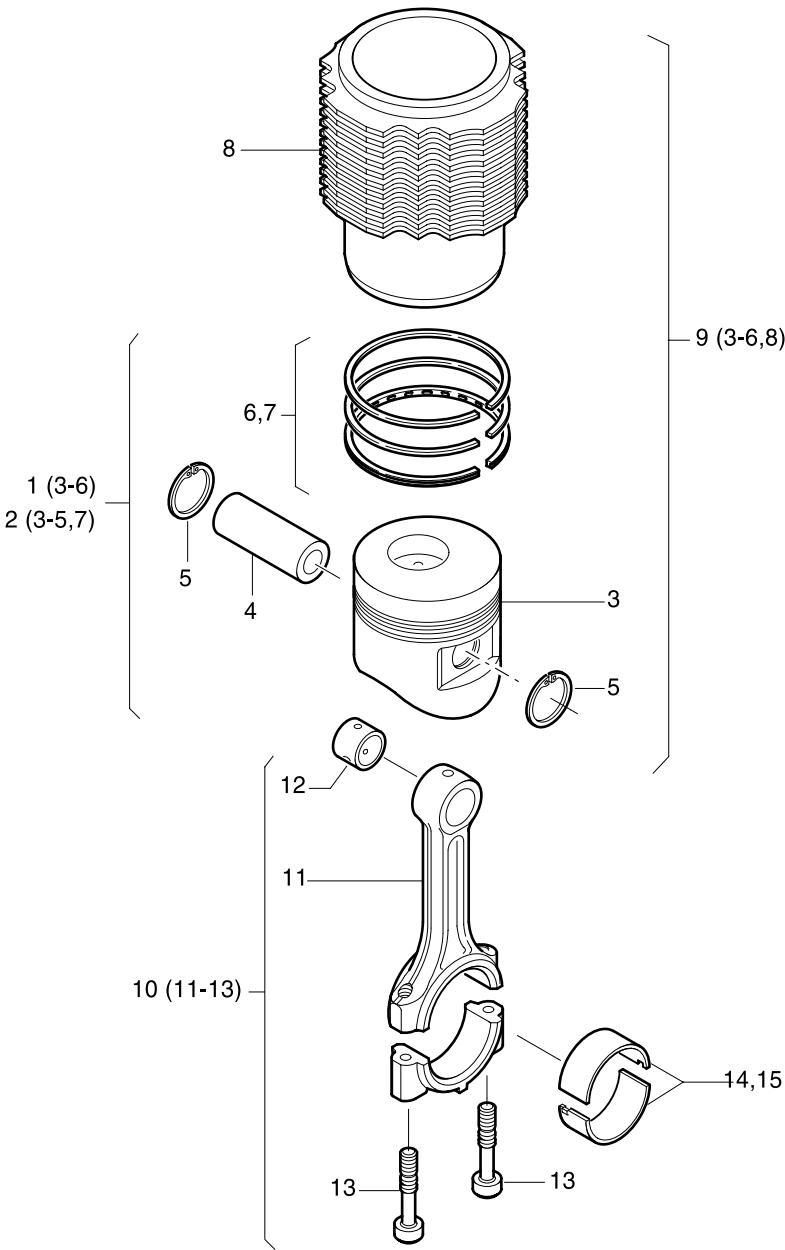


Fig.- No.	HATZ Ident-No.	Stück Qty.			P / W d / D	Bemerkungen Notes
		1D41	1D81	1D90		
1	01312410	1	-	-		
1	01313520	-	1	-		
1	01331710	-	-	1		
2	01315210	1	-	-		+ 0,5 mm
2	01314620	-	1	-		+ 0,5 mm
2	01332710	-	-	1		+ 0,5 mm
2	01315310	1	-	-		+ 1,0 mm
2	01314720	-	1	-		+ 1,0 mm
3	-----	-	-	-		
4	50416100	1	-	-		25 x 13 x 68 DIN 73126-B2
4	50353600	-	1	-		30 x 17 x 75
4	50461900	-	-	1		30 x 15 x 75
5	50381210	2	-	-		A 25 x 1,2
5	50020800	-	2	-		J 30 x 1,2 DIN 472
5	50462000	-	-	2		30 x 1,2
6	01312501	1	-	-		
6	01247300	-	1	-		
6	01331800	-	-	1		
7	01315401	1	-	-		+ 0,5 mm
7	01264500	-	1	-		+ 0,5 mm
7	01333300	-	-	1		+ 0,5 mm
7	01315501	1	-	-		+ 1,0 mm
7	01265000	-	1	-		+ 1,0 mm
8	-----	-	-	-		
9	01505010	1	-	-		
9	01508310	-	1	-		
9	01592610	-	-	1		
10	01258302	1	-	-		
10	01244001	-	1	1		
11	-----	-	-	-		
12	04065600	1	-	-		
12	04032200	-	1	1		
13	04100500	2	-	-		
13	04001810	-	2	2		
14	04026500	1	-	-		
14	04001900	-	1	1		
15	04065700	1	-	-		- 0,5 mm
15	04033100	-	1	1		- 0,5 mm

M05b, M06

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

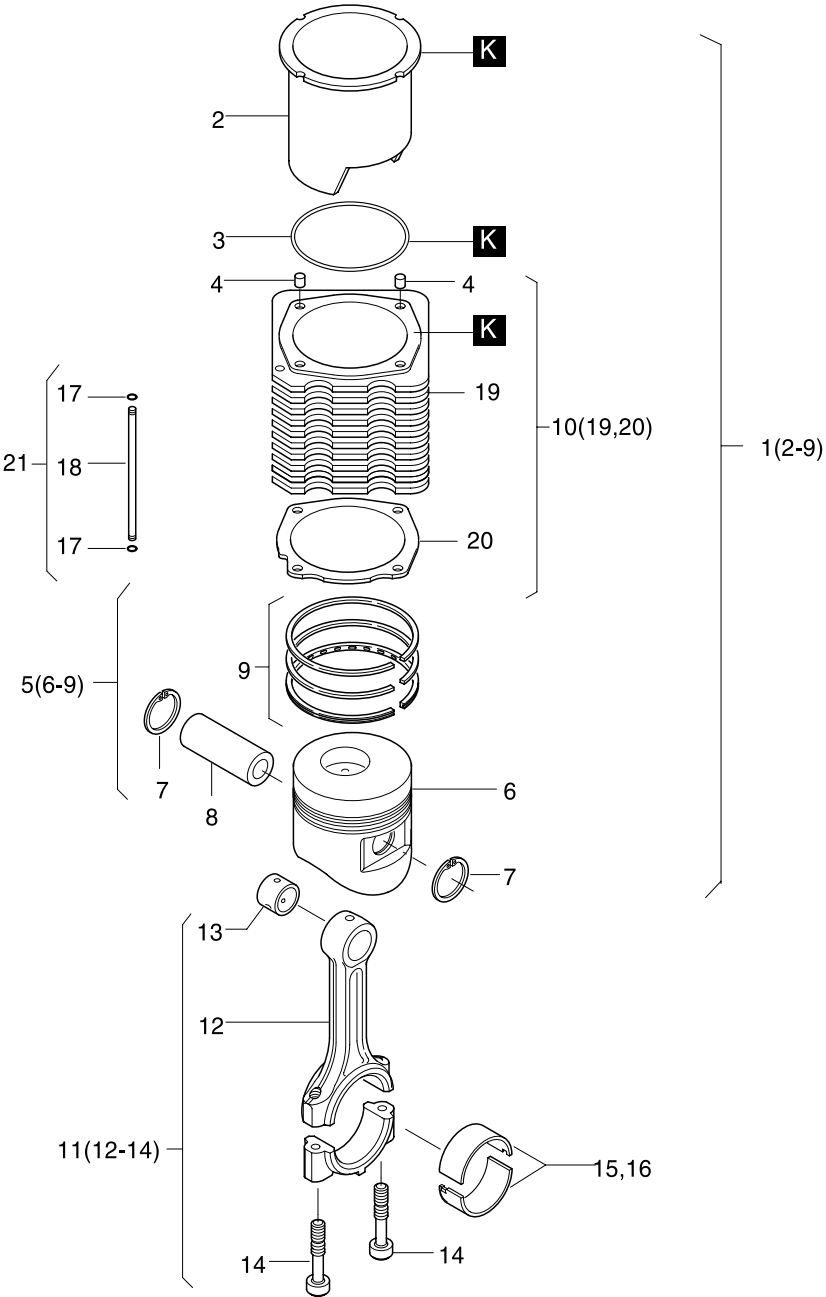


Fig.- No.	HATZ Ident-No.	Stück Qty.	P / W d / D	Bemerkungen Notes
1D50				
1	01644401	1		
2	-----	-		
3	50482400	1		103 x 1,5
4	04134900	2		10,5 x 12,5 x 15
5	01336802	1		97 mm
6	-----	-		
7	50381210	2		A 25 x 1,2
8	50481300	1		25 x 12 x 68
9	01336900	1		97 mm
10	01644310	1		
11	01258302	1		
12	-----	-		
13	04065600	1		
14	04100500	2		
15	04026500	1		
16	04065700	1		- 0,5 mm
17	50330100	2	d4	4 x 1,2
18	-----	-		56,5 mm
19	-----	-		
20	04171200	1		
21	01655700	1		

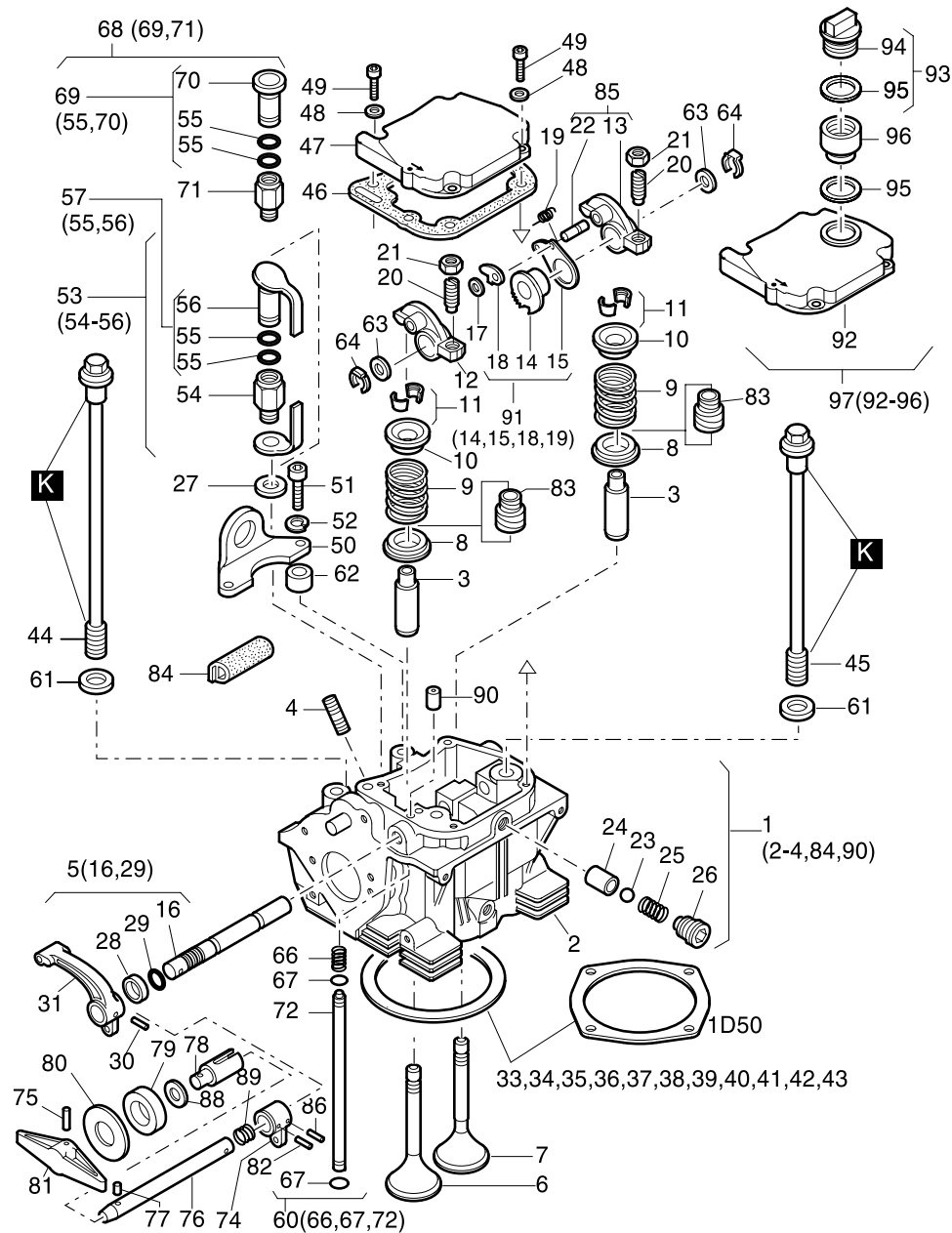


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	01505330	1	-	-	-		
1	01644610	-	1	-	-		
1	01499620	-	-	1	-		
1	01592710	-	-	-	1		
2	-----	-	-	-	-		
3	04137500	2	2	-	-		
3	04008712	-	-	2	2		
4	50279200	1	1	-	-		M 8 x 40 DIN 835-8.8 A3C
4	50038400	-	-	1	1		M 8 x 35 DIN 835-8.8 A3C
5	01290920	1	1	-	-		
5	01468920	-	-	1	1		
6	04090000	1	1	-	-		
6	04091001	-	-	1	1		
7	04090100	1	1	-	-		
7	04091100	-	-	1	1		
8	04005201	2	2	2	2		
9	04029300	2	2	-	-		
9	04005300	-	-	2	-		
9	04152000	-	-	-	2		
10	04029201	2	2	-	-		
10	04005401	-	-	2	2		
11	03171910	2	2	-	-		
11	03786300	-	-	2	2		
12	04003710	1	1	1	1		
13	-----	-	-	-	-		
14	-----	-	-	-	-		
15	03778401	1	1	1	1		
16	-----	-	-	-	-		
17	50117200	1	1	1	1		RA 4ME DIN 6799
18	03365710	1	1	1	1		
19	03366001	1	1	1	1		
20	03783000	2	2	2	2		
21	03173100	2	2	2	2		W2
22	-----	-	-	-	-		
23	50123800	1	1	1	1		7 mm III DIN 5401
24	04004700	1	1	1	1		
25	04004800	1	1	1	1		
26	01245200	1	1	1	1		
27	50001100	1	1	1	1		d1 A 12 x 15,5 DIN 7603-Cu
28	04048900	-	-	1	1		d1 12 x 18 x 5
29	40022401	1	1	1	1		d2 8 x 2 FPM 75 MOLYKOT.
30	50034700	1	1	1	1		4 x 22 DIN 1481
31	04009810	1	1	1	1		
33	04071500	0... 1	-	-	-		0,3 mm
33	04119300	-	-	-	0... 1		0,3 mm

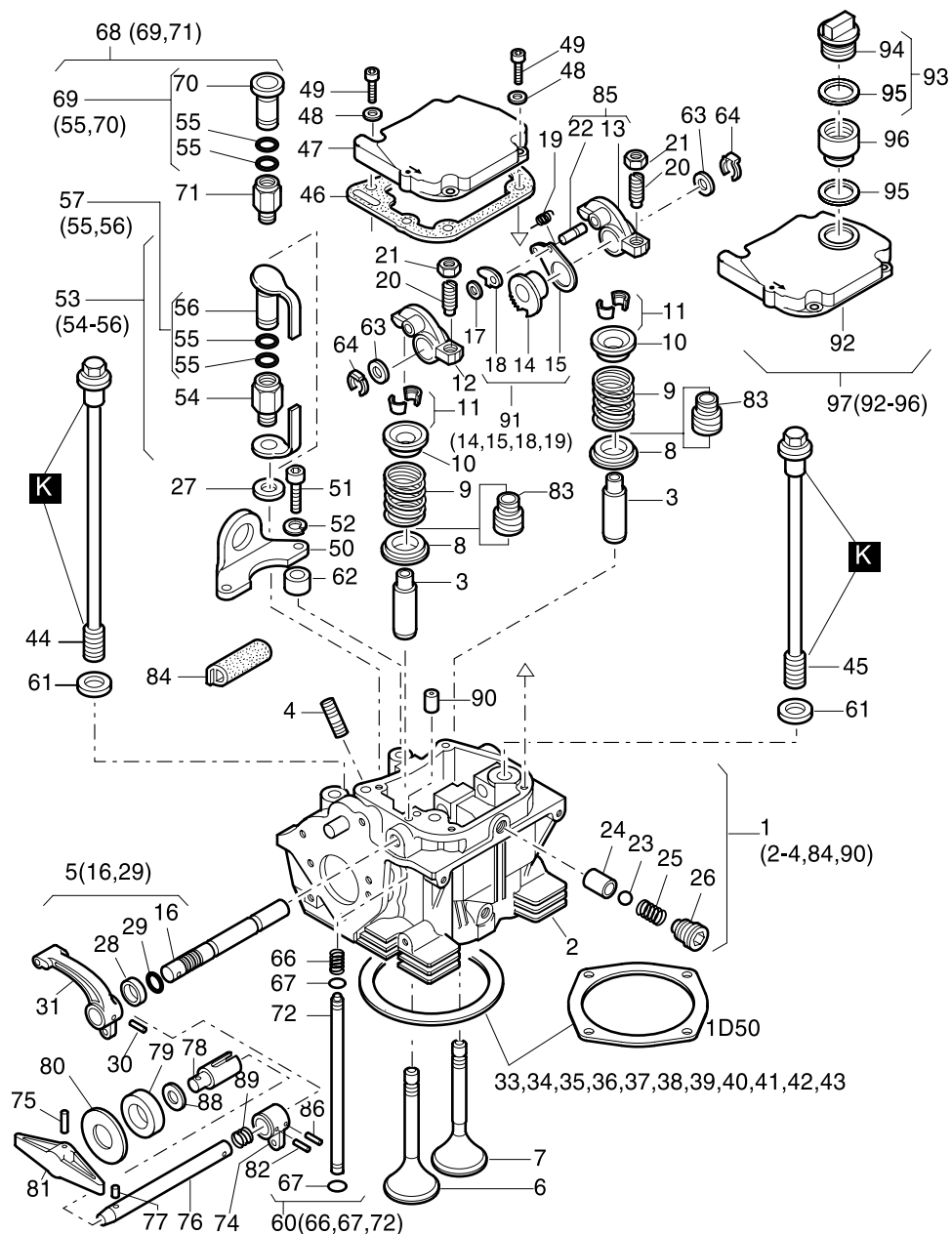
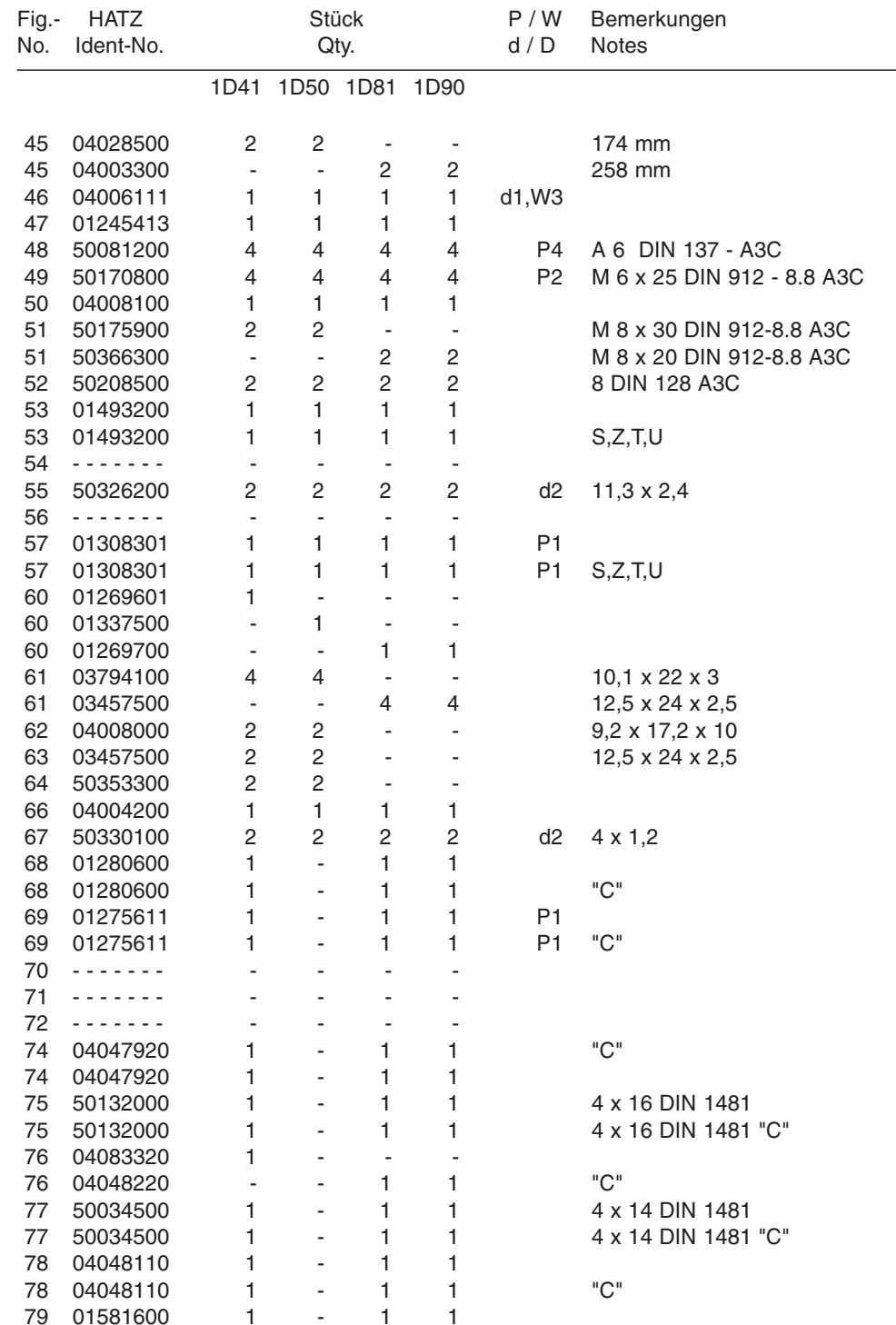


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
34	04071600	0... 1	-	-	-		0,4 mm
34	04119400	-	-	-	0... 1		0,4 mm
35	04071700	0... 1	-	-	-		0,5 mm
35	04135211	-	0... 1	-	-	d1	0,5 mm
35	04136011	-	0... 1	-	-		0,55 mm
35	04068800	-	-	0... 1	-		0,5 mm
35	04119500	-	-	-	0... 1		0,5 mm
36	04071800	0... 1	-	-	-		0,6 mm
36	04135311	-	0... 1	-	-	d1	0,6 mm
36	04137911	-	0... 1	-	-		0,65 mm
36	04036800	-	-	0... 1	-		0,6 mm
36	04119600	-	-	-	0... 1		0,6 mm
37	04071900	0... 1	-	-	-	d1	0,7 mm
37	04135411	-	0... 1	-	-		0,7 mm
37	04138011	-	0... 1	-	-		0,75 mm
37	04036500	-	-	0... 1	-	d1	0,7 mm
37	04119700	-	-	-	0... 1	d1	0,7 mm
38	04072000	0... 1	-	-	-	d1	0,8 mm
38	04135511	-	0... 1	-	-		0,8 mm
38	04138111	-	0... 1	-	-		0,85 mm
38	04036600	-	-	0... 1	-	d1	0,8 mm
38	04119800	-	-	-	0... 1	d1	0,8 mm
39	04072100	0... 1	-	-	-		0,9 mm
39	04135611	-	0... 1	-	-		0,9 mm
39	04138211	-	0... 1	-	-		0,95 mm
39	04002700	-	-	0... 1	-	d1	0,9 mm
39	04119900	-	-	-	0... 1	d1	0,9 mm
40	04072200	0... 1	-	-	-		1,0 mm
40	04135711	-	0... 1	-	-		1,0 mm
40	04138311	-	0... 1	-	-		1,05 mm
40	04002800	-	-	0... 1	-		1,0 mm
40	04120000	-	-	-	0... 1		1,0 mm
41	04072300	0... 1	-	-	-		1,1 mm
41	04135811	-	0... 1	-	-		1,1 mm
41	04002900	-	-	0... 1	-		1,1 mm
41	04120100	-	-	-	0... 1		1,1 mm
42	04072400	0... 1	-	-	-		1,2 mm
42	04135911	-	0... 1	-	-		1,2 mm
42	04003000	-	-	0... 1	-		1,2 mm
42	04120200	-	-	-	0... 1		1,2 mm
43	04072500	0... 1	-	-	-		1,3 mm
43	04003100	-	-	0... 1	-		1,3 mm
43	04120300	-	-	-	0... 1		1,3 mm
44	04028600	2	2	-	-		251,5 mm
44	04003200	-	-	2	2		305 mm

- Zylinderkopf
- Cylinder head
- Culasse
- Culata
- Testa



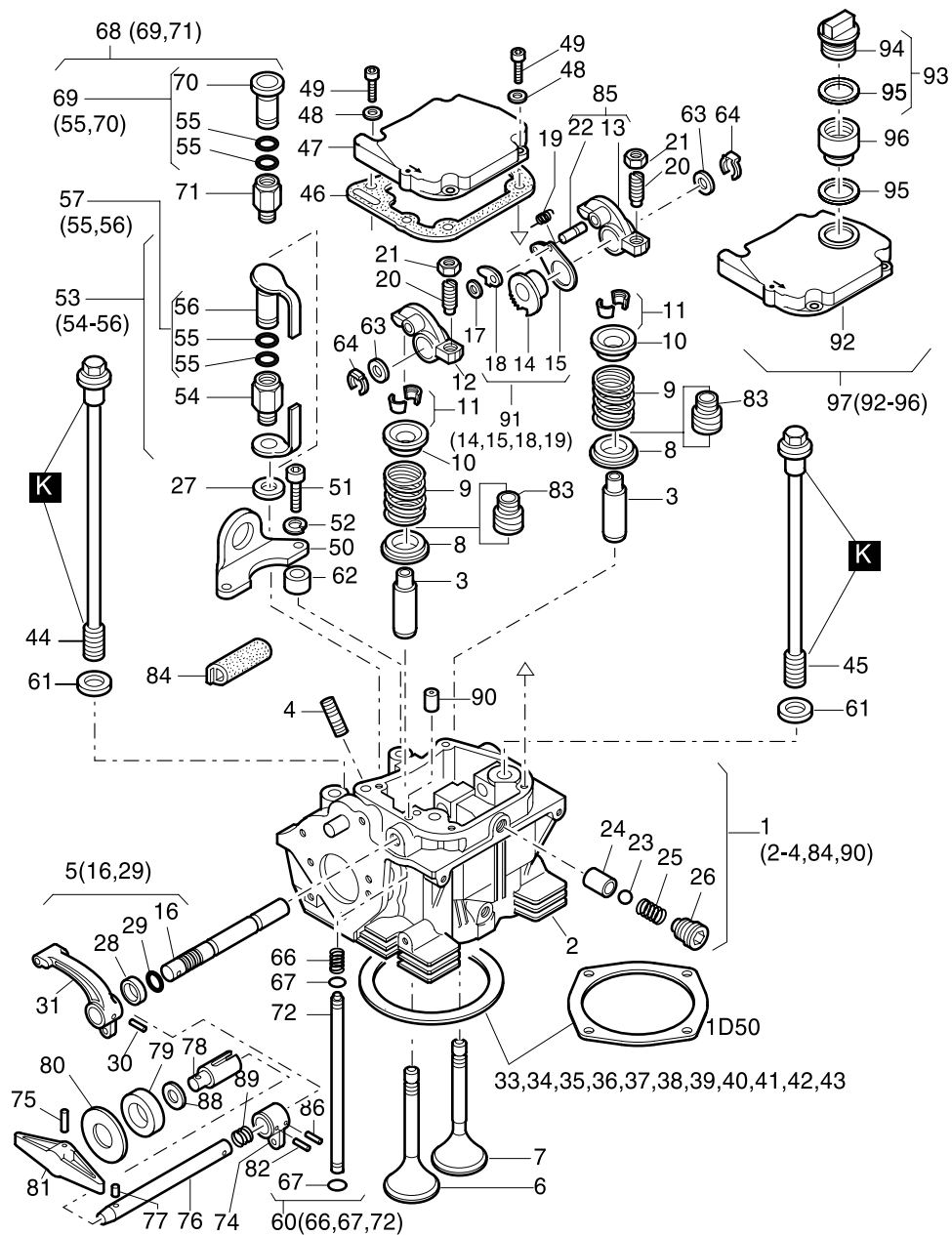
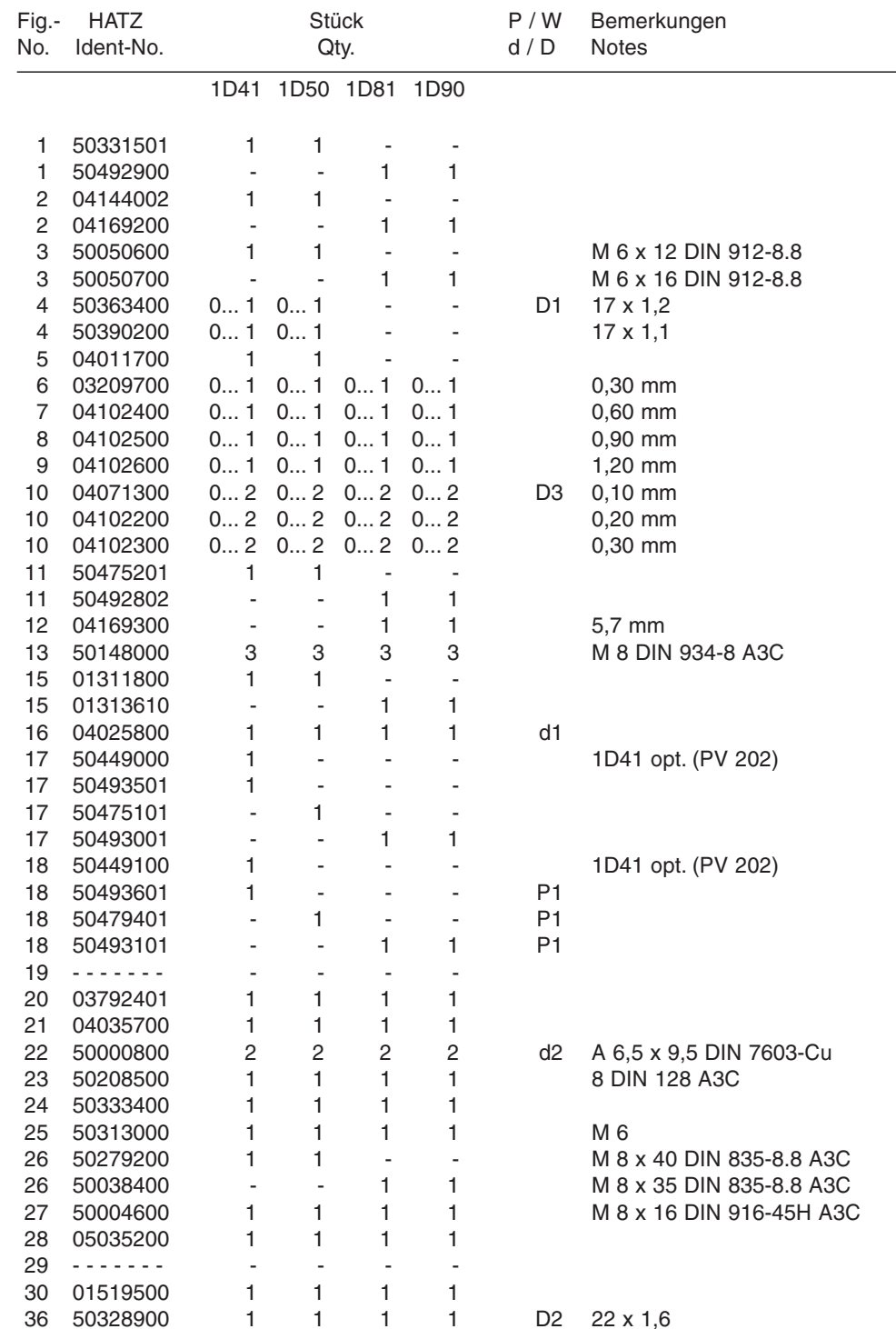
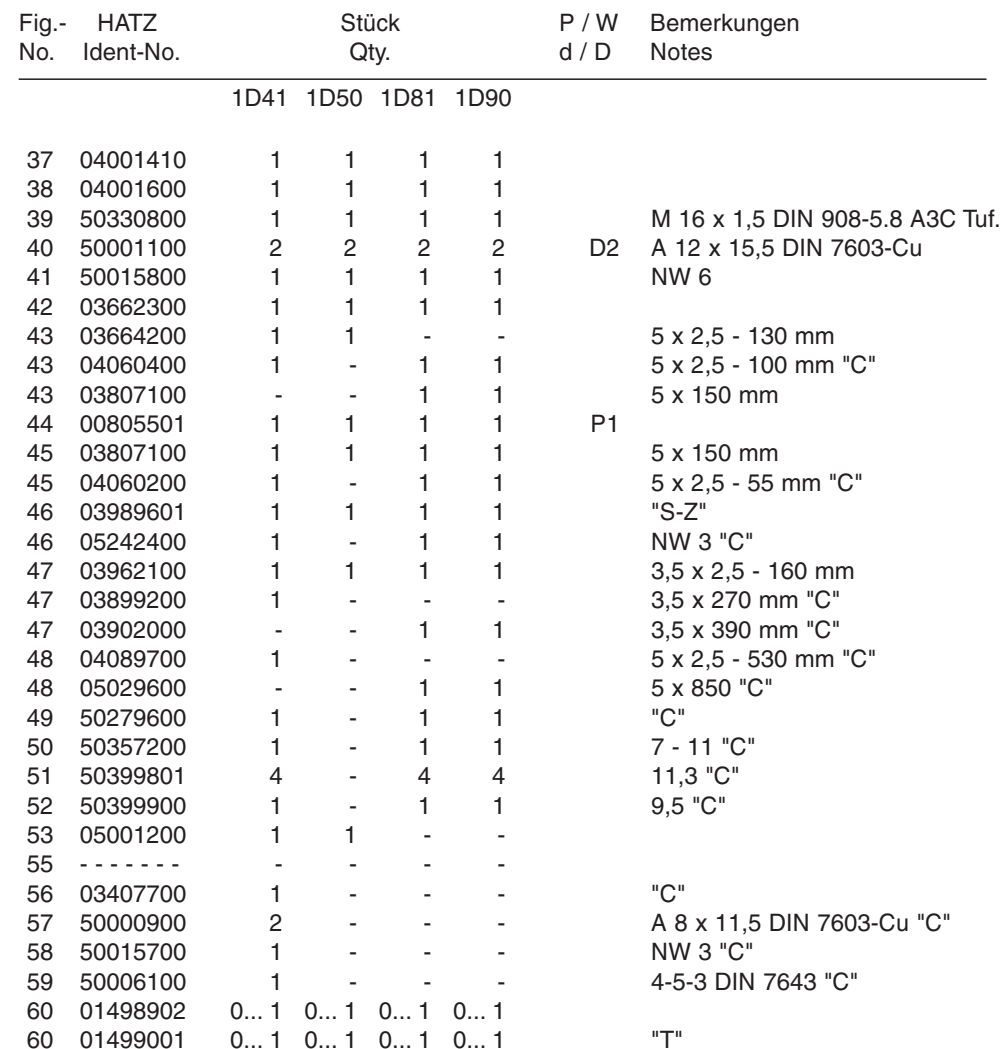


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
79	01581600	1	-	1	1		"C"
80	04048000	1	-	1	1		10,5x50x1,0 "C"
80	04048000	1	-	1	1		10,5x50x1,0
81	03778200	1	-	1	1		"C"
81	03778200	1	-	1	1		"C"
82	50132000	1	-	1	1		4 x 16 DIN 1481
82	50132000	1	-	1	1		4 x 16 DIN 1481 "C"
83	50405700	2	2	-	-	d2	
83	50405200	-	-	2	2	d2	
84	04070400	1	1	-	-		60 mm
85	01285010	1	1	1	1		
86	50034600	1	-	1	1		4 x 18 DIN 1481
86	50034600	1	-	1	1		4 x 18 DIN 1481 "C"
88	03787300	1	-	1	1		10,5 x 21 x 0,2
88	03787300	1	-	1	1		10,5 x 21 x 0,2 "C"
89	04097200	1	-	1	1		"C"
89	04097200	1	-	1	1		
90	04104900	1	1	-	-		(ø 5 mm)
90	04104300	-	-	1	1		(ø 8 mm)
91	01557600	1	1	1	1		
92	-----	-	-	-	-		
93	01613100	1	1	1	1		
94	-----	-	-	-	-		
95	04125000	2	2	2	2		26 x 35 x3
96	03658400	1	1	1	1		
97	01620000	1	1	1	1		

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



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



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

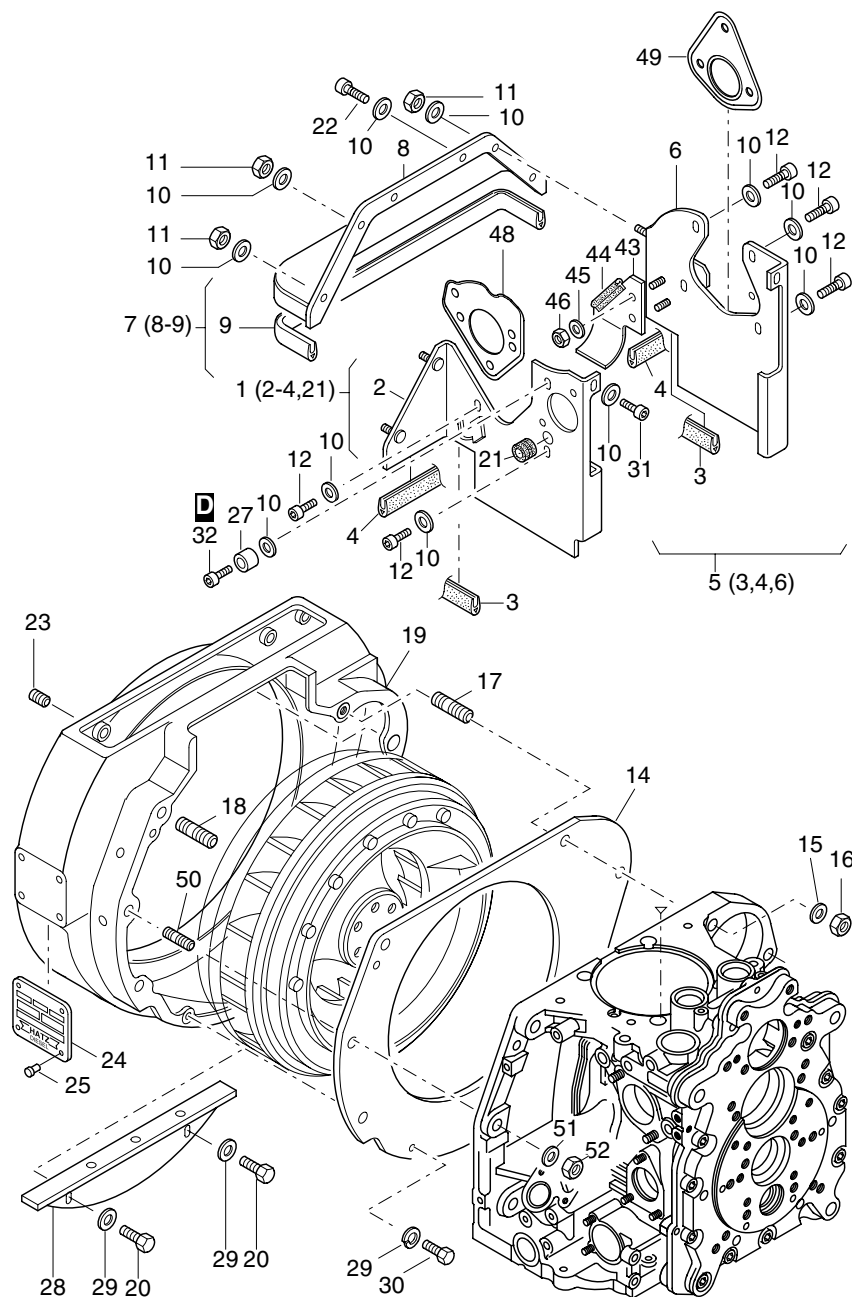
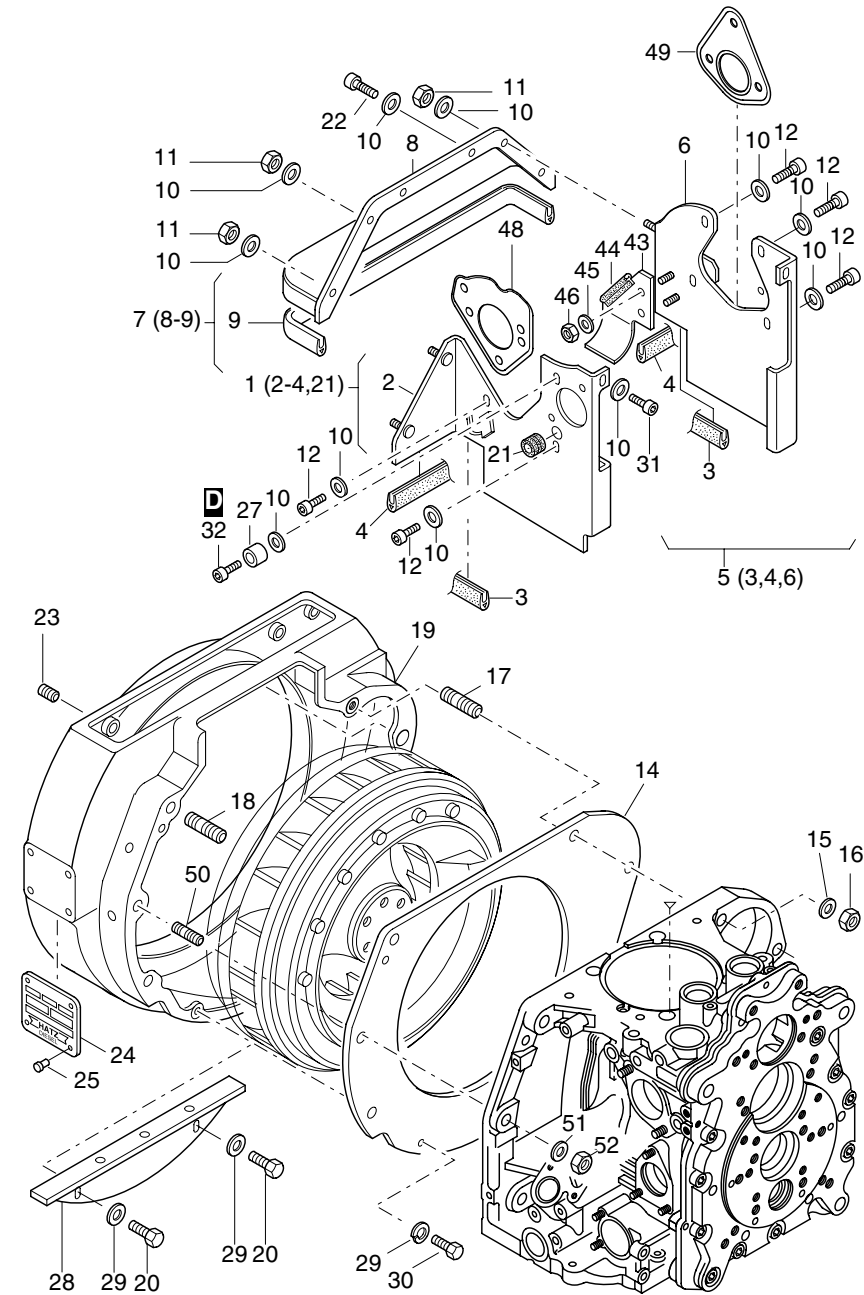


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D41	1D50	1D81	1D90	P / W d / D	Bemerkungen Notes
1	01260920	1	-	-	-	-		
1	01344910	-	1	-	-	-		
1	01246223	-	-	-	1	1		
2	-----	-	-	-	-	-		
3	04146300	2	-	-	-	-		29 mm
3	04030901	-	2	-	-	-		29 mm
3	04007601	-	-	-	2	2		35 mm
4	04146400	2	-	-	-	-		41 mm
4	04030801	-	2	-	-	-		41 mm
4	04007720	-	-	-	2	2		76 mm
5	01261010	1	-	-	-	-		
5	01344810	-	1	-	-	-		
5	01246413	-	-	-	1	1		
6	-----	-	-	-	-	-		
7	01261101	1	-	-	-	-		
7	01344700	-	1	-	-	-		
7	01246600	-	-	-	1	1		
8	-----	-	-	-	-	-		
9	04146500	1	-	-	-	-		304 mm
9	04031001	-	1	-	-	-		308 mm
9	04007901	-	-	-	1	1		406 mm
10	50144500	15	15	15	15	15		6,4 DIN 125-St A3C
11	50144400	4	4	4	4	4		M 6 DIN 934 - 8 A3C
12	50384200	6	6	7	7	7		M 6x12 DIN 912-8.8 A3C Tuf.
14	04031100	1	-	-	-	-		
14	04136501	-	1	-	-	-		
14	04008500	-	-	-	1	1		s.Grp A05a Pos.18
15	50093700	2	2	2	2	2		13 DIN 125-St A3C
16	50093600	2	2	2	2	2		M12 DIN 934-8-13 A3C
17	50475000	2	2	2	2	2		M 12 x 40 DIN 835-8.8 A3C
18	50040900	3	3	-	-	-		M 10 x 35 DIN 835 - 8.8
18	50474900	-	-	-	4	4		M 12 x 35 DIN 835-8.8 A3C
19	01688900	1	-	-	-	-		SAE 6
19	01689000	-	1	-	-	-		SAE 5
19	01689100	-	-	-	1	1		SAE 5
20	50333500	-	-	0...2	0...2	0...2		M 6 x 8 DIN 933-8.8 A3C
21	50334800	1	1	1	1	1		
22	50170700	2	2	2	2	2		M 6 x 16 DIN 912-8.8 A3C
23	50226000	2	4	4	4	4		M 8 x 6 DIN 913-45H TU.FLEC
24	-----	-	-	-	-	-		
25	40002500	4	4	4	4	4		2,4
27	03936400	1	1	-	-	-		6,2 x 8 x 5,5
28	04080410	-	-	0...1	0...1	0...1		
29	50170900	2	2	2...4	2...4	2...4		6 DIN 128 - A3C
30	50177100	2	2	2	2	2		M 6 x 16 DIN 933-8.8 A3C

M26a

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

Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
31	50416800	2	2	2	2		M 6 x 16 DIN 912 - 8.8 A3C Tuf.
32	50474200	1	1	-	-		M6x16 DIN912-8.8 A3C Tuf.360
43	01309800	-	1	-	-		
44	04085500	-	1	-	-		60 mm
45	50120000	-	2	-	-		A 6,4 DIN 9021-St A3C
46	50328300	-	2	-	-		VM 6 DIN 980-8 A3C
48	04212500	1	1	-	-		
48	04125700	-	-	1	1		
49	04212600	1	1	-	-		
49	04125600	-	-	1	1		
50	50041200	1	1	-	-		M 10 x 45 DIN 835 - 8.8
51	50145900	4	4	-	-		B 10,5 DIN 125-St A3C
51	50093700	-	-	4	4		13 DIN 125-St A3C
52	50145800	4	4	-	-		M 10 DIN 934-8 A3C
52	50093600	-	-	4	4		M12 DIN 934-8-13 A3C



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

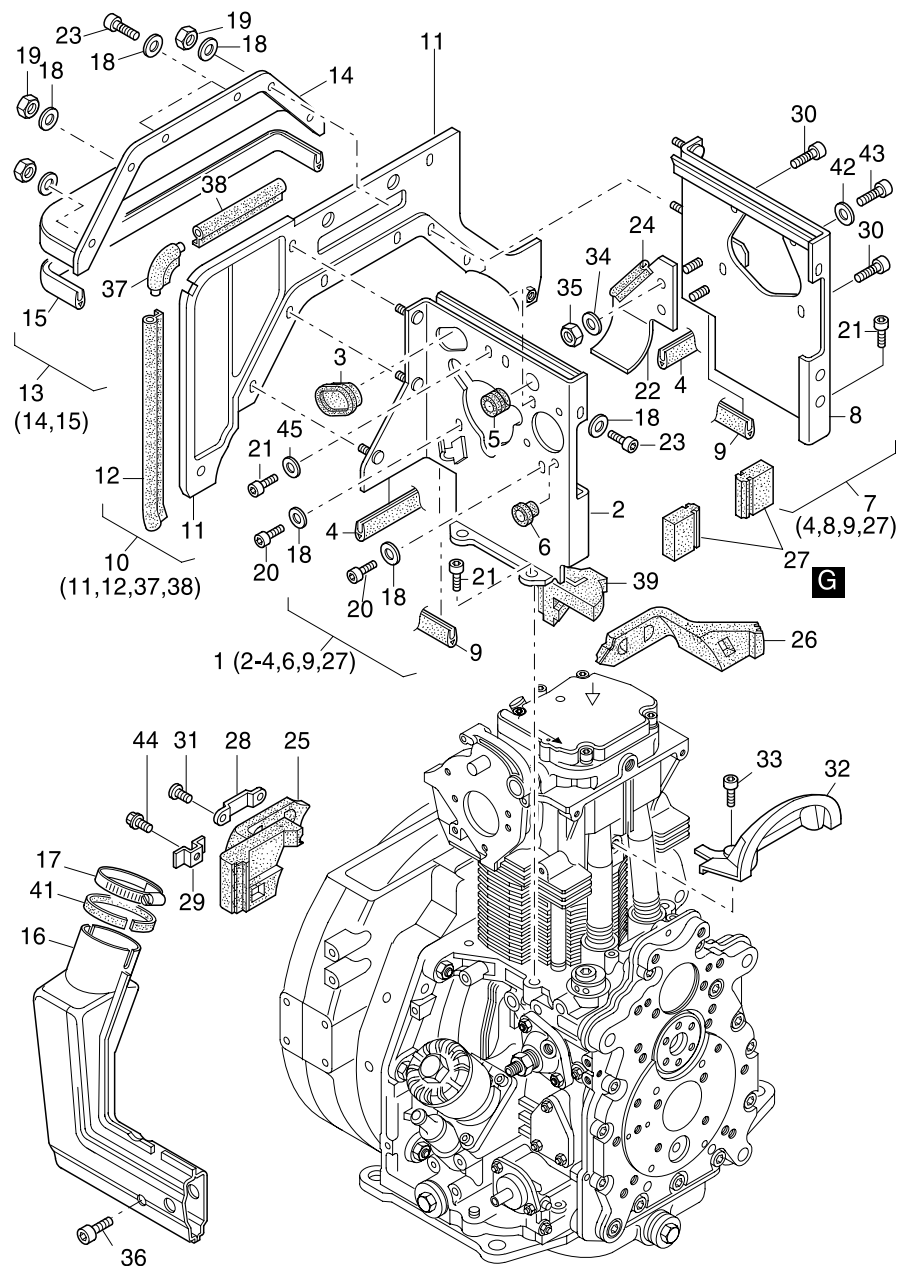


Fig.- No.	HATZ Ident-No.	Stück Qty.	P / W d / D	Bemerkungen Notes
1D41C 1D81C 1D90C				
1	01290810	1	-	-
1	01279011	-	1	1
2	-----	-	-	-
3	04078600	1	-	-
3	04055300	-	1	1
4	04030801	2	-	-
4	04007720	-	2	2
5	04055401	-	1	1
6	50334800	1	1	1
7	01290710	1	-	-
7	01278921	-	1	1
8	-----	-	-	-
9	04030901	2	-	-
9	04007601	-	2	2
10	01290600	1	-	-
10	01278710	-	1	1
11	-----	-	-	-
12	04066900	1	1	1
13	01290401	1	-	-
13	01277301	-	1	1
14	-----	-	-	-
15	04146500	1	-	-
15	04007901	-	1	1
16	01307600	1	-	-
16	01274502	-	1	1
17	40071500	1	-	-
17	50339900	-	1	1
18	50144500	13	13	13
19	50144400	4	4	4
20	50384200	2	3	3
21	50416800	4	-	-
21	50536600	-	5	5
22	01309800	1	-	-
22	01268010	-	1	1
23	50170700	4	4	4
24	04085500	1	-	-
24	04038800	-	1	1
25	04075500	1	-	-
25	04045010	-	1	1
26	04075400	1	-	-
26	04044610	-	1	1
27	04045900	-	2	2
28	04044900	-	2	2
29	04075600	4	-	-
29	04044800	-	2	2

41 mm
76 mm

29 mm
35 mm

228 mm

304 mm
406 mm

32 - 50
40 / 60
6,4 DIN 125-St A3C
M 6 DIN 934 - 8 A3C
M 6x12 DIN 912-8.8 A3C Tuf.
M 6 x 16 DIN 912 - 8.8 A3C Tuf.
M 8 x 18 DIN 912-8.8 A3C Tuf.

M 6 x 16 DIN 912-8.8 A3C
60 mm
94 mm

M26b

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

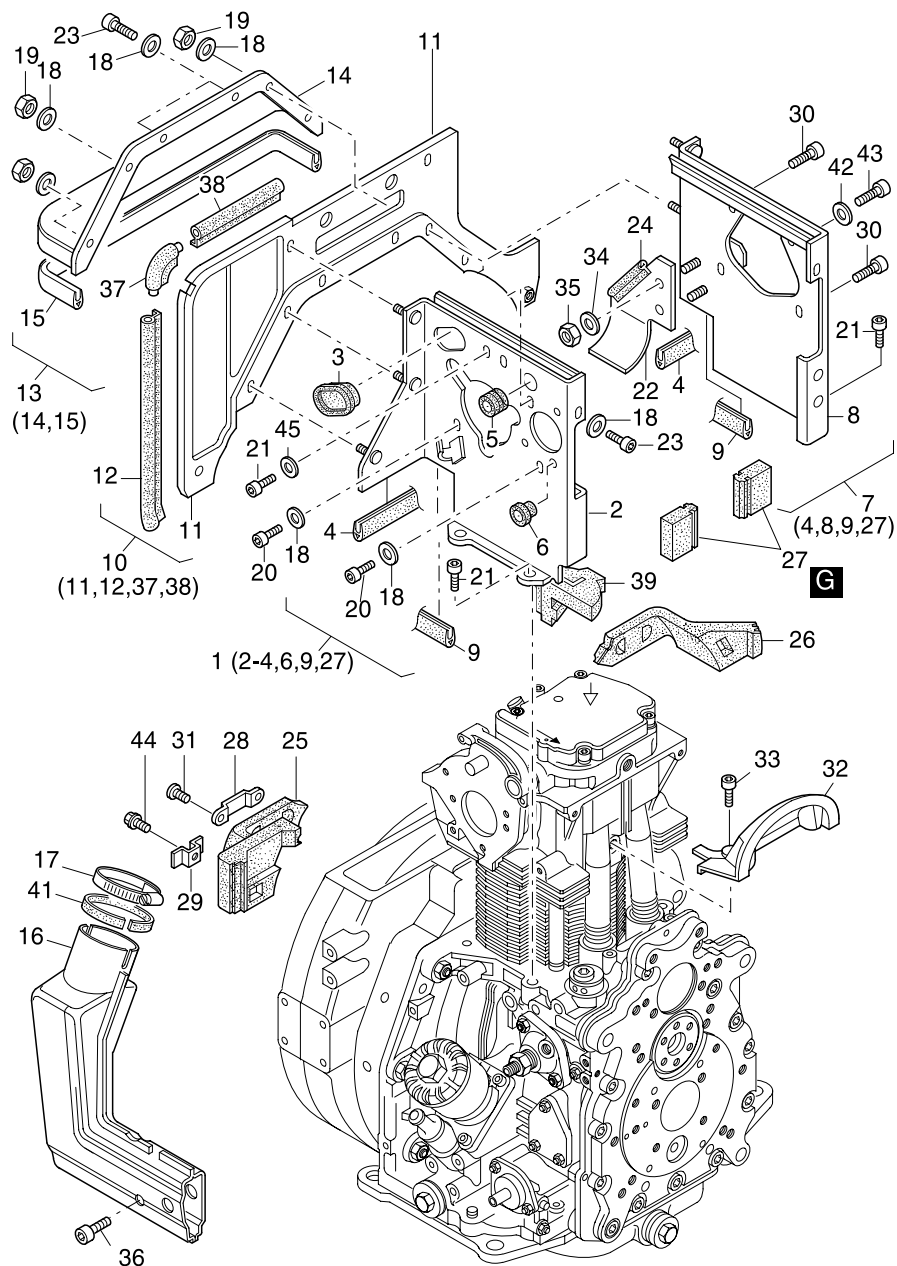


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D41C	1D81C	1D90C	P / W d / D	Bemerkungen Notes
			1D41C	1D81C	1D90C		
30	50149100	3	-	-			M 6 x 12 DIN 912-8.8 A3C
30	50335600	-	4	4			M 6 x 16 KZ 1-8.8 A3D
31	04044700	-	4	4			M 8 x 16
32	01272100	-	1	1			
33	50335600	-	2	2			M 6 x 16 KZ 1-8.8 A3D
34	50120000	2	2	2			A 6,4 DIN 9021-St A3C
35	50328300	2	2	2			VM 6 DIN 980-8 A3C
36	50170600	1	1	1			M 6 x 20 DIN 912-8.8 A3C
37	04066400	1	1	1			
38	04074900	1	-	-			100 mm
38	04066700	-	1	1			104 mm
39	04079600	1	-	-			
41	04089100	1	-	-			13 x 1 x 148
41	04089200	-	1	1			13 x 1 x 167
42	50170900	1	-	-			6 DIN 128 - A3C
43	50384200	1	-	-			M 6x12 DIN 912-8.8 A3C Tuf.
44	50289200	4	2	2			M 6 x 12 KZ 1-8.8 A3D
45	50148100	-	1	1			8,4 DIN 125-St A3C

M31, M32

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

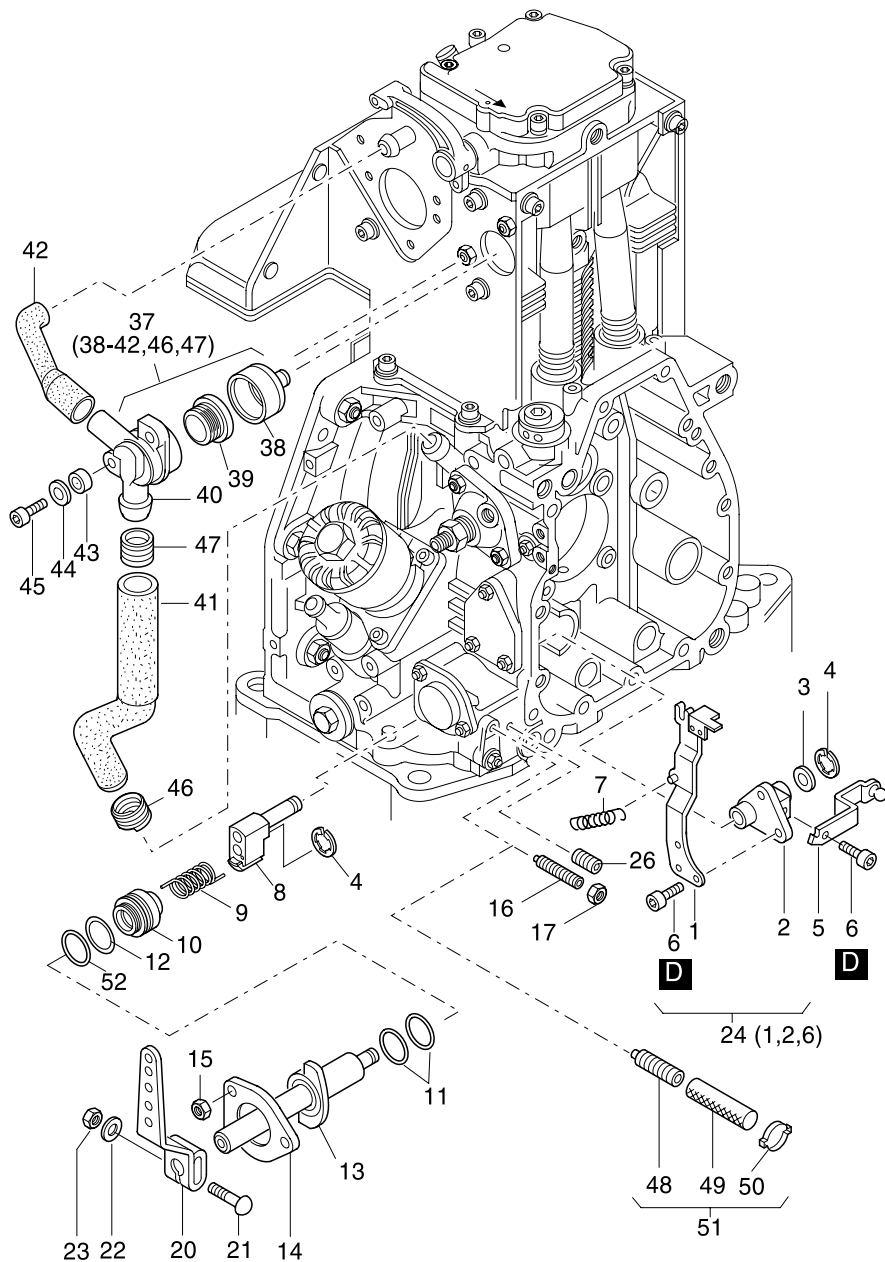


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	-----	-	-	-	-		
2	-----	-	-	-	-		
3	04000100	1	1	1	1		
4	50266100	2	2	2	2		6 DIN 6799
5	04037500	1	1	1	1		
6	50328701	4	4	4	4		M 5 x 8 DIN 912-8.8 Tuf.
7	04000200	1	1	1	1		
8	01242810	1	1	1	1		
9	03799010	1	1	1	1		
10	04052710	1	1	1	1		
11	50412900	2	2	2	2	D2	18 x 2
12	50129900	1	1	1	1	D1	32 x 2,5
13	01279221	1	1	1	1		"C"
13	01302921	1	-	1	1		
14	03799210	1	1	1	1		
15	50328300	3	3	3	3		VM 6 DIN 980-8 A3C
16	50507800	2	2	2	2		M 6 x 45
17	50144400	2	2	2	2		M 6 DIN 934 - 8 A3C
20	03888300	1	1	1	1		
21	03927300	1	1	1	1		M 6 x 32
22	50144500	1	1	1	1		6,4 DIN 125-St A3C
23	50144400	1	1	1	1		M 6 DIN 934 - 8 A3C
24	01246803	1	1	1	1		
26	50403500	1	1	1	1		M 8 x 20 DIN 914-45H
37	01308101	1	1	-	-		
37	01317000	-	-	1	1		
38	04080300	1	1	1	1		
39	03568700	1	1	1	1		
40	-----	-	-	-	-		
41	04083800	1	1	-	-		
41	04074700	-	-	1	1		
42	04074800	1	1	1	1		
43	04080500	2	2	2	2		7 x 8 x 8
44	50081200	2	2	2	2		A 6 DIN 137 - A3C
45	50170700	2	2	2	2		M 6 x 16 DIN 912-8.8 A3C
46	04090500	1	1	1	1		
47	04122300	1	1	-	-		
48	50405301	1	-	1	1		M 6 x 45 DIN 915 Tuf. "C"
49	05037900	1	-	-	-		7 x 12 x 90 "C"
49	05038000	-	-	1	1		7 x 12 x 120 "C"
50	50388300	1	-	1	1		11 - 13 "C"
51	01474000	1	-	-	-		"C"
51	01475600	-	-	1	1		"C"
52	50453600	1	1	1	1		32 x 45 x 2,5 A3C DIN 988

M35a

Kapsel C
Capsule C
Capsule C
Cápsula C
Confanatura silenzziata C

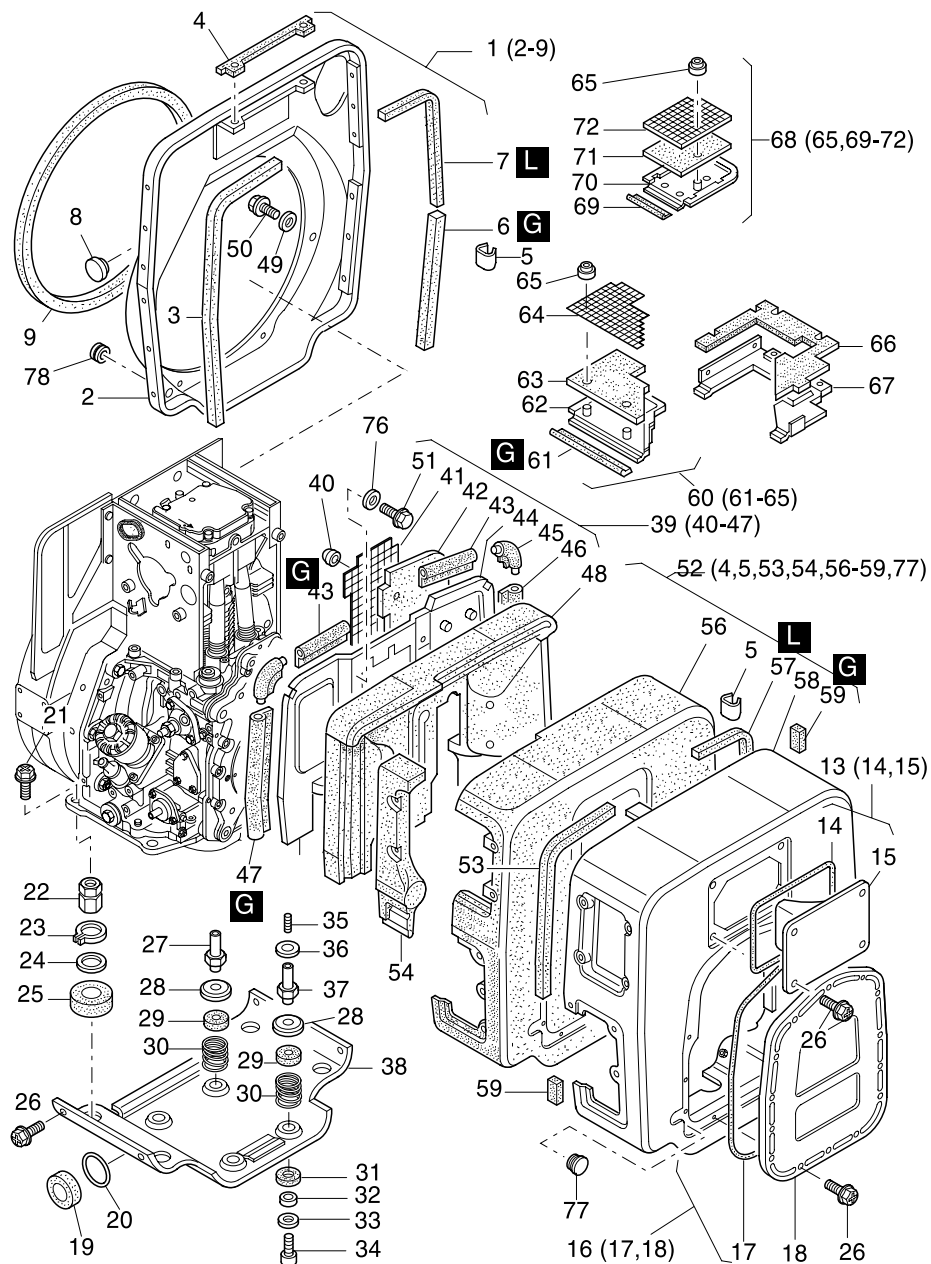


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D41C	1D81C	1D90C	P / W d / D	Bemerkungen Notes
1	01289100	1	-	-			
1	01276310	-	1	1			
2	-----	-	-	-			
3	04080600	1	-	-			8 x 8 x 530 mm Silikon
3	04086100	-	1	1			640 mm
4	04073800	2	2	2			
5	04084100	8	8	8			
6	04086000	-	1	1			160 mm
7	04081000	1	-	-			8 x 8 x 530 mm
7	04073500	-	1	1			420 mm
8	50395500	1	1	1			PHT 17, 6/20
9	04049500	1	1	1			1230 mm
13	01289500	1	-	-			
13	01276600	-	1	1			
14	04049100	1	1	1			
15	-----	-	-	-			
16	01289401	1	-	-			
16	01276700	-	1	1			
16	01474401	1	-	-			Handstart, demarr. man.
16	01464200	-	1	1			Handstart, demarr. man.
17	04080900	1	-	-			
17	04049000	-	1	1			
18	-----	-	-	-			
19	03755300	1	-	-			46/16
19	03579500	-	1	1			46/22
20	03592301	1	1	1			26,1 x 38 x 1
21	50386600	4	4	4			M 10 x 20 A3C
22	03993700	4	4	4			M 10 x 27,5
23	50020400	4	4	4			A 24 x 1,2 DIN 471
24	03592301	4	4	4			26,1 x 38 x 1
25	03755300	4	4	4			46/16
26	50289200	24	26	26			M 6 x 12 KZ 1-8.8 A3D
27	04077400	2	-	-			
27	04047510	-	2	2			
28	04042100	4	4	4			
29	04041900	4	4	4			
30	04042200	4	4	4			
31	04041800	4	4	4			
32	04041700	4	4	4			7 x 12 x 11
33	04042000	4	4	4			6,5 x 22,5 x 1
34	50170600	4	4	4			M 6 x 20 DIN 912-8.8 A3C
35	50139200	2	2	2			M 6 x 16 DIN 939-8.8
36	50144500	4	4	4			6,4 DIN 125-St A3C
37	04077400	2	-	-			
37	04041610	-	2	2			

M35a

Kapsel C
Capsule C
Capsule C
Cápsula C
Confanatura silenziosa C

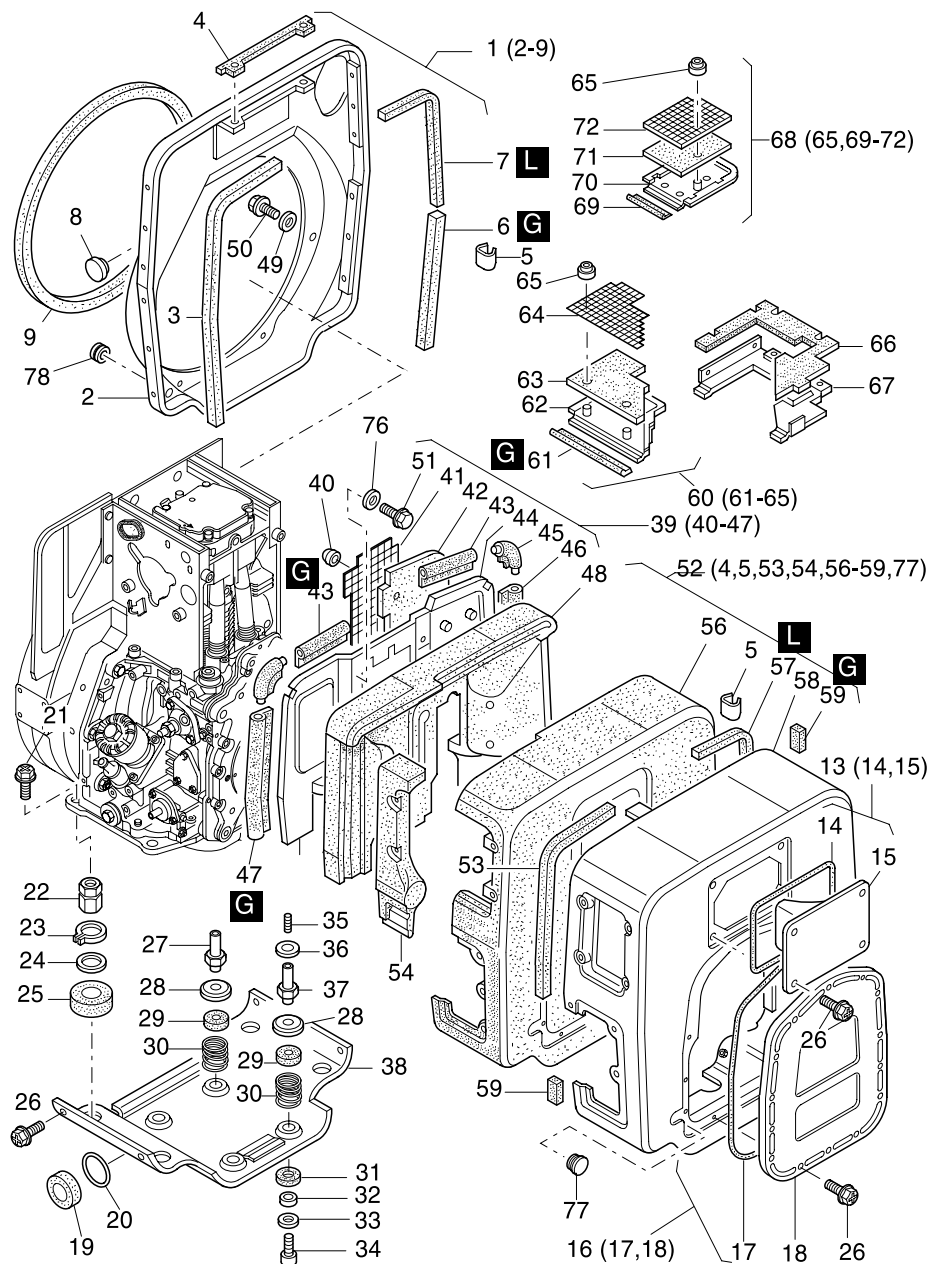


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D41C	1D81C	1D90C	P / W d / D	Bemerkungen Notes
38	01303700	1	-	-			
38	01270510	-	1	1			
39	01306300	1	-	-			
39	01274820	-	1	1			
40	50388500	4	4	4			4,5
41	04078100	1	-	-			
41	04066600	-	1	1			
42	04078000	1	-	-			
42	04046710	-	1	1			
43	04074900	2	-	-			100 mm
43	04066700	-	2	2			104 mm
44	-----	-	-	-			
45	04066400	2	2	2			
46	04075000	1	-	-			180 mm
46	04066900	-	1	1			228 mm
47	04066900	1	-	-			228 mm
47	04067000	-	1	1			280 mm
48	01306500	1	-	-			
48	01279420	-	1	1			
49	50144500	6	6	6			6,4 DIN 125-St A3C
50	50274800	6	6	6			M 6 x 6 DIN 933-8.8 A3C
51	50335600	2	-	-			M 6 x 16 KZ 1-8.8 A3D
51	50050700	-	2	2			M 6 x 16 DIN 912-8.8
52	01289300	1	-	-			
52	01276520	-	1	1			
53	04081600	1	-	-			8 x 8 x 360 mm
53	04085800	-	1	1			8 x 8 x 410 mm
54	04047210	-	1	1			
56	01305300	1	-	-			
56	01272610	-	1	1			
57	04080700	1	-	-			8 x 8 x 360
57	04073500	-	1	1			420 mm
58	-----	-	-	-			
59	04081700	2	-	-			8 x 8 x 25 mm
59	04085900	-	1	1			40 mm
60	01275011	-	1	1			
61	04049400	-	1	1			186 mm
62	-----	-	-	-			
63	04082000	-	1	1			
64	04081900	-	1	1			
65	50388500	-	4	4			4,5
66	04082100	-	1	1			
67	04081400	-	1	1			
68	01289200	1	-	-			
69	04083200	1	-	-			97 mm

M35a

Kapsel C
Capsule C
Capsule C
Cápsula C
Confanatura silenziosa C

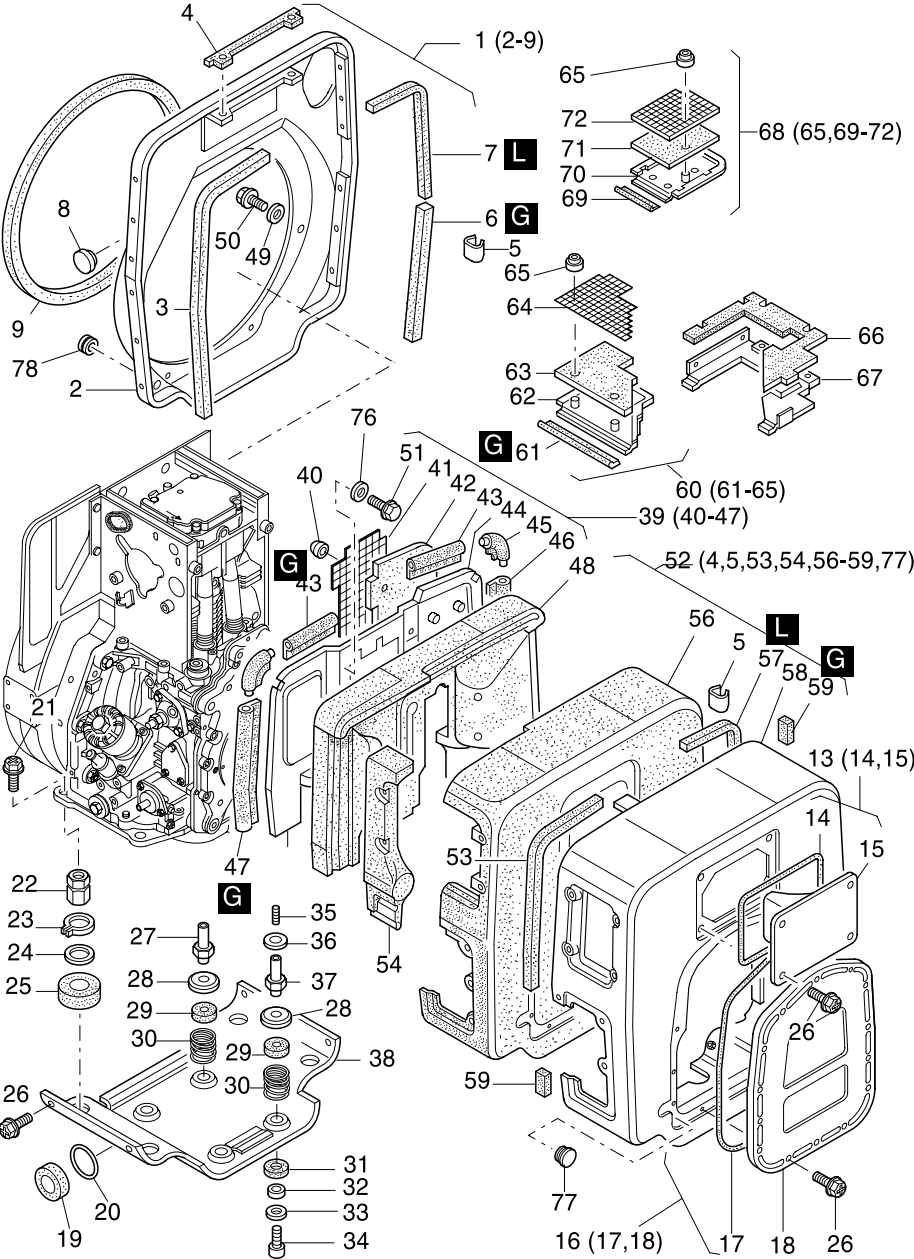


Fig.- No.	HATZ Ident-No.	Stück Qty.	P / W d / D	Bemerkungen Notes
1D41C 1D81C 1D90C				
70	-----	-	-	-
71	04082800	1	-	-
72	04082700	1	-	-
76	40027700	-	2	2
77	50160800	1	1	1
78	03565400	2	2	2

6
F 5 14x10,7x7,5

M35b

Kapsel C
Capsule C
Capsule C
Cápsula C
Confanatura silenziosa C

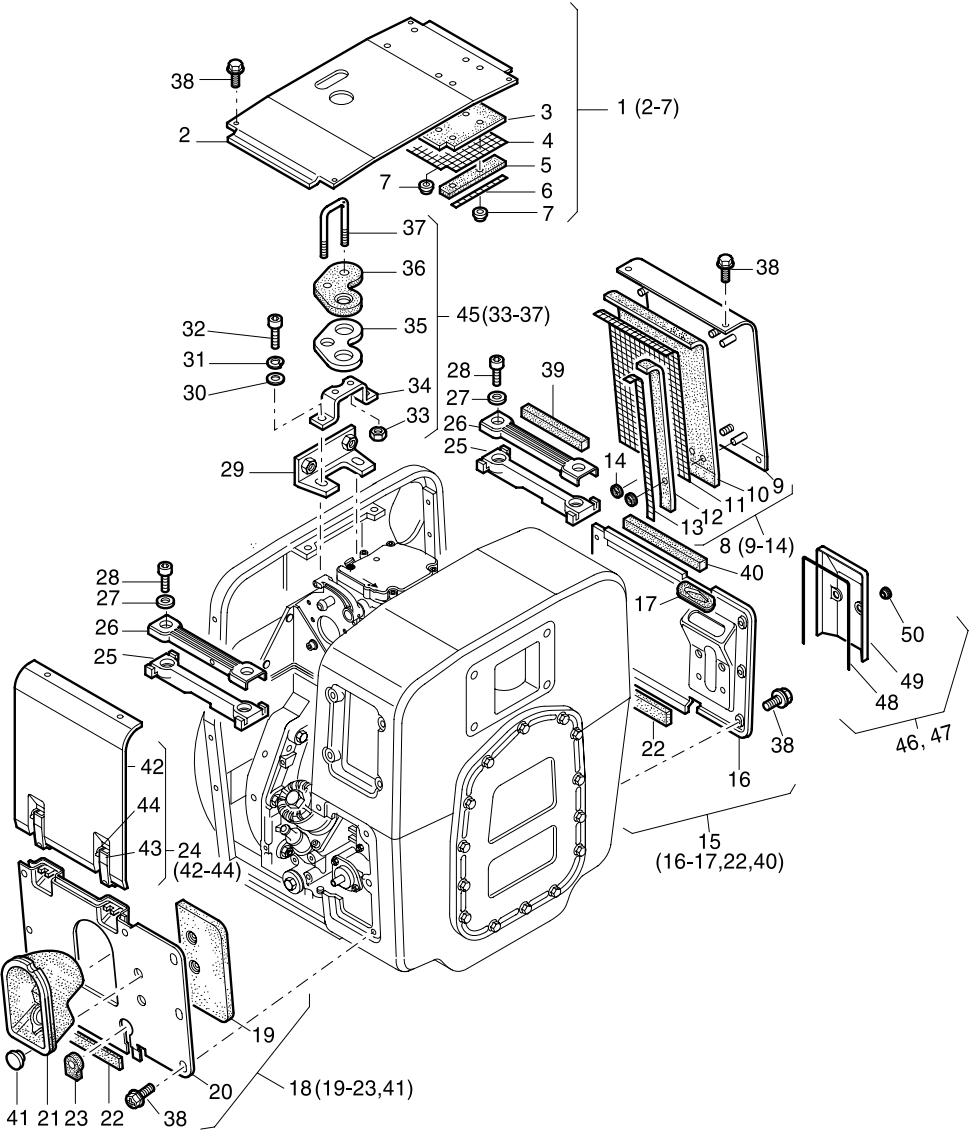


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D41C	1D81C	1D90C	P / W d / D	Bemerkungen Notes
			1D41C	1D81C	1D90C		
1	01305500	1	-	-	-		
1	01274910	-	1	1			
2	-----	-	-	-	-		
3	04076000	1	-	-	-		
3	04046810	-	1	1			
4	04076300	1	1	1			
4	04067600	-	1	1			
5	04076100	1	-	-	-		
5	04067700	-	1	1			
6	04076200	1	-	-	-		
6	04066000	-	1	1			
7	50388500	6	6	6			4,5
8	01305800	1	-	-	-		
8	01274710	-	1	1			
9	-----	-	-	-	-		
10	04076600	1	-	-	-		
10	04046610	-	1	1			
11	04076800	1	-	-	-		
11	04067100	-	1	1			
12	04076700	1	-	-	-		
12	04065900	-	1	1			
13	04076900	1	-	-	-		
13	04065800	-	1	1			
14	50388500	6	6	6			4,5
15	01290000	1	-	-	-		
15	01277010	-	1	1			
16	-----	-	-	-	-		
17	03993100	1	1	1			
18	01289800	1	-	-	-		
18	01276910	-	1	1			
19	04087600	1	-	-	-		
19	04074000	-	1	1			
20	-----	-	-	-	-		
21	04076500	1	-	-	-		
21	04047010	-	1	1			
22	04086500	1	-	-	-		13 x 1 x 182 mm
22	04049700	-	2	2			13 x 1 x 195 mm
23	04084700	1	-	-	-		
23	04084600	-	1	1			
24	01289700	1	-	-	-		
24	01271010	-	1	1			
24	04084400	1	-	-	-		Dekompr.-Automatik
24	04053510	-	1	1			Dekompr.-Automatik
25	04077300	2	-	-	-		
25	04067900	-	2	2			

M35b

Kapsel C
Capsule C
Capsule C
Cápsula C
Confanatura silenziosa C

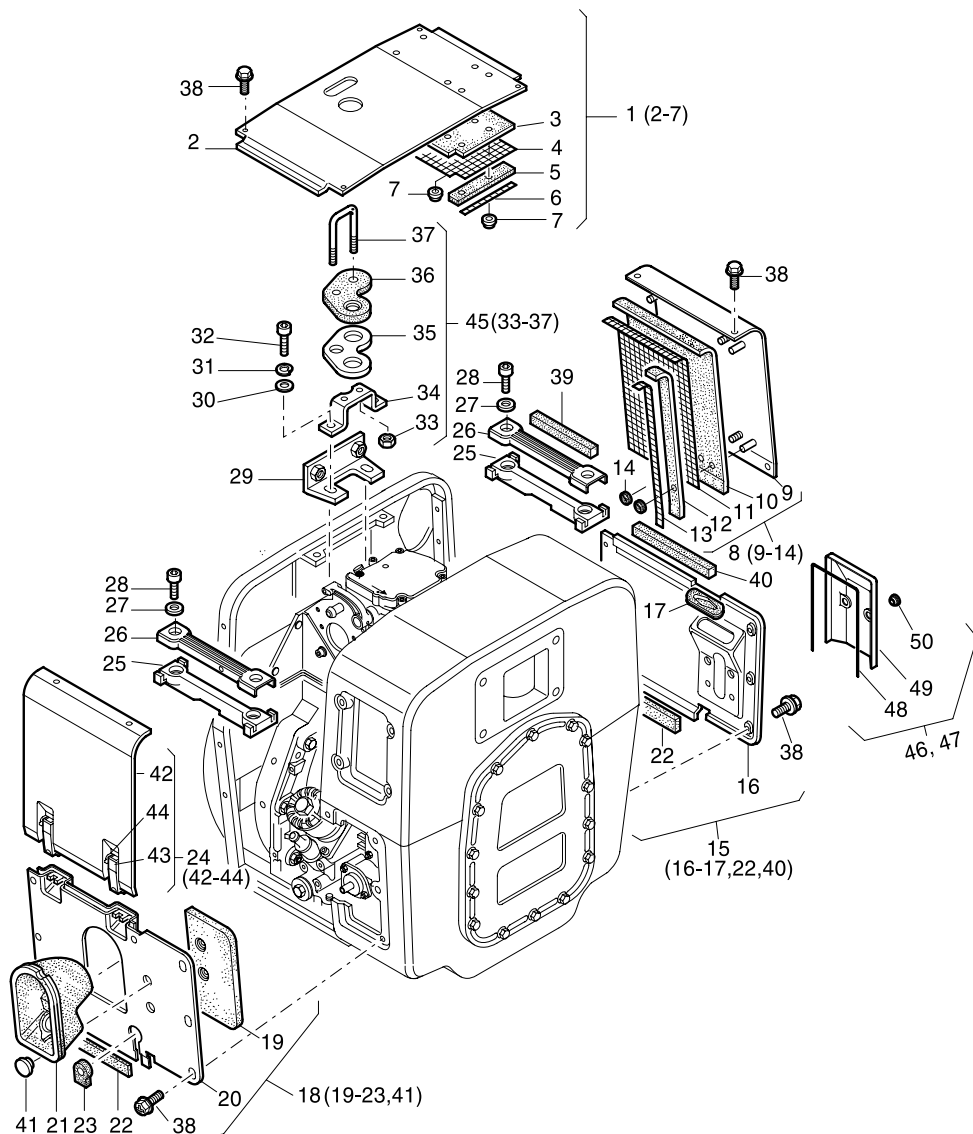


Fig.- No.	HATZ Ident-No.	Stück Qty.			P / W d / D	Bemerkungen Notes
		1D41C	1D81C	1D90C		
26	01306100	2	-	-		
26	01300400	-	2	2		
27	50081200	4	4	4		A 6 DIN 137 - A3C
28	50133000	4	4	4		M 6 x 12 DIN 6912-8.8
29	01307800	1	-	-		
29	01282710	-	1	1		
30	50148100	2	2	2		8,4 DIN 125-St A3C
31	50347301	2	2	2		VHZ 8 A3C
32	50175900	2	2	2		M 8 x 30 DIN 912-8.8 A3C
33	50328300	2	2	2		VM 6 DIN 980-8 A3C
34	04061210	1	-	-		
34	04043120	-	1	1		
35	-----	-	-	-		
36	04061100	1	-	-		
36	04043400	-	1	1		
37	-----	-	-	-		
38	50289200	26	26	26		M 6 x 12 KZ 1-8.8 A3D
39	04077200	1	-	-		8 x 8 x 122
39	04073700	-	1	1		8 x 8 x 134
40	04080000	1	-	-		8 x 8 x 160
40	04073600	-	1	1		170 mm
41	50395500	2	2	2		PHT 17, 6/20
42	-----	-	-	-		
43	50393200	2	2	2		
44	50396100	4	4	4		2,5 x 8 DIN 660-St
45	01290501	1	-	-		
45	01462602	-	1	1		
46	01583100	0... 1	0... 1	0... 1		(ohne,without,sans Powerbox)
47	01753100	0... 1	0... 1	0... 1		(mit,with,avec Powerbox)
48	05036200	1	1	1		409mm
49	-----	-	-	-		
50	03665200	2	2	2		

A01a

Kraftstoff
Fuel
Carburant
Combustible
Serbatoio

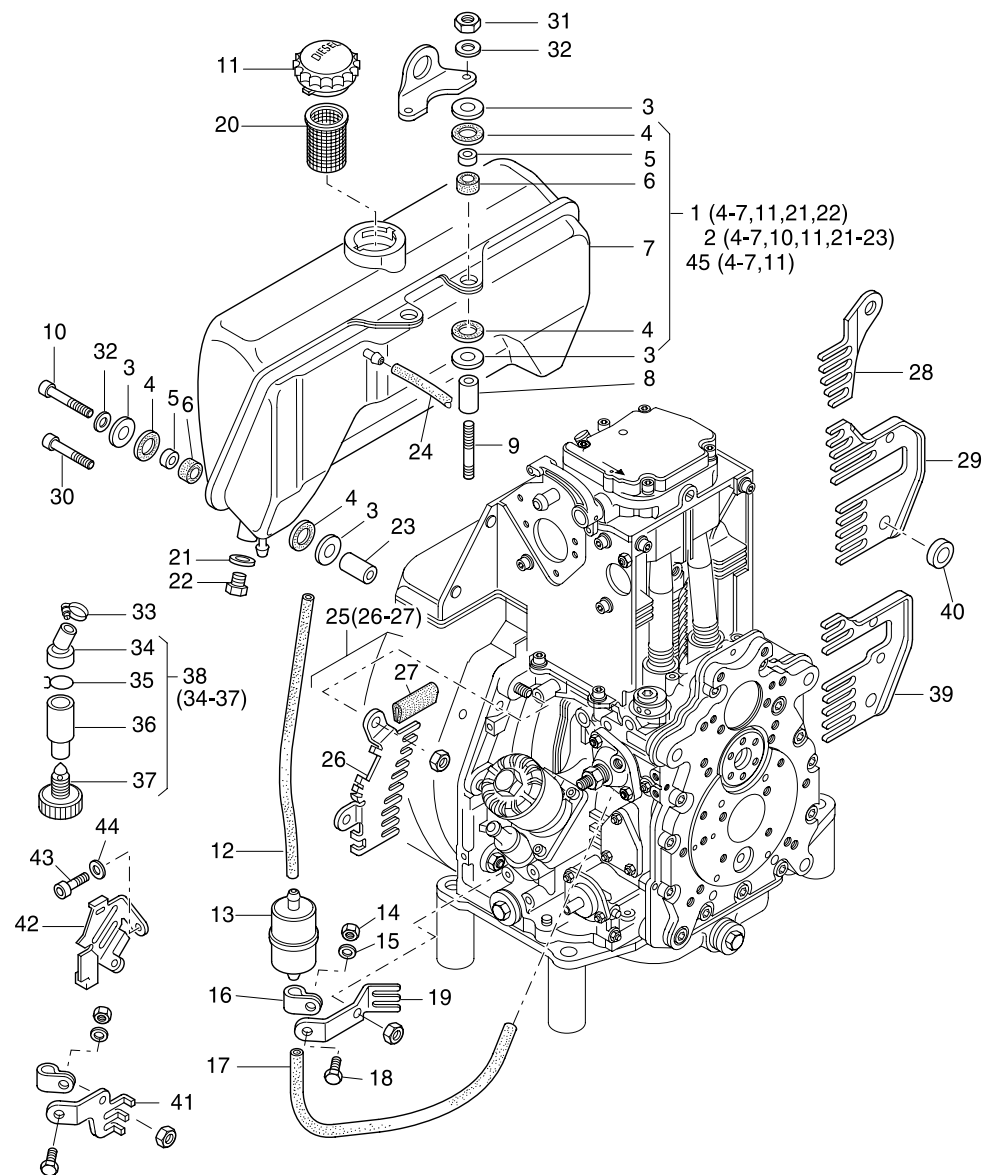


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	01535000	1	1	-	-		5 l
2	01661400	-	1	-	-		7 l
2	01494200	-	-	1	1		7 l
3	05097600	8	8	12	12		8,5 - 27
4	03981802	8	8	12	12		17 - 25
5	03981701	4	4	6	6		8,4 x 13 x 7,5
6	03981900	4	4	6	6		
7	-----	-	-	-	-		
8	03981500	2	0... 2	-	-		9 x 18 x 49
8	05163500	-	0... 2	-	-		8,5 x 18 x 61 (7 l SAE 5)
8	03989800	-	-	2	2		8,5 x 20 x 49
9	50377001	0... 2	0... 2	2	2		M 8 x 75 DIN 835-10.9 A3C
9	50065100	0... 2	0... 2	-	-		M 8 x 85 DIN 835-8.8 A3C
10	50171600	2	2	-	-		M 8 x 65 DIN 912-8.8 A3C
10	50177500	-	-	4	4		M 8 x 40 DIN 912-8.8 A3C
11	40032701	1	0... 1	-	-	P1	B 40
11	50385801	-	0... 1	1	1	P1	DT 60 f.Tank 7l + 10l
12	03493300	1	1	-	-		7 x 145
12	03801200	-	-	1	1		7 x 220
13	50478800	1	1	1	1	W2	Filter
14	50144400	1	1	1	1		M 6 DIN 934 - 8 A3C
15	50144500	1	1	1	1		6,4 DIN 125-St A3C
16	03165500	1	1	1	1		
17	03493600	0... 1	0... 1	1	1		7 x 330 mm
17	03674300	0... 1	0... 1	-	-		7 x 305 mm
18	50165500	1	1	1	1		M 6 x 12 DIN 933-8.8 A3C
19	05031900	-	-	1	1		
20	40037800	1	0... 1	-	-		f. Tank 5l
20	50387300	-	0... 1	1	1		f. Tank 7l + 10l
21	50001000	1	1	1	1		A 10 x 16 DIN 7603-Cu
22	05126000	1	1	1	1		M 10 x 12
23	03981600	2	2	-	-		9 x 18 x 38
23	05029200	-	-	4	4		9 x18 x 8
24	03663800	1	1	-	-		5 x 40 mm
24	03663700	-	-	1	1		5 x 50 mm
25	01490300	-	-	1	1		
26	-----	-	-	-	-		
27	04030901	-	-	1	1		29 mm
28	05069600	-	-	1	1		
29	01528900	-	-	1	1		
30	50183000	-	-	0... 4	0... 4		M 8 x 35 DIN 912-8.8 A3C
31	50148000	2	2	2	2		M 8 DIN 934-8 A3C
32	50208500	4	4	6	6		8 DIN 128 A3C
33	50448000	1	1	1	1		
34	05044001	1	1	1	1		

A01a

Kraftstoff
Fuel
Carburant
Combustible
Serbatoio

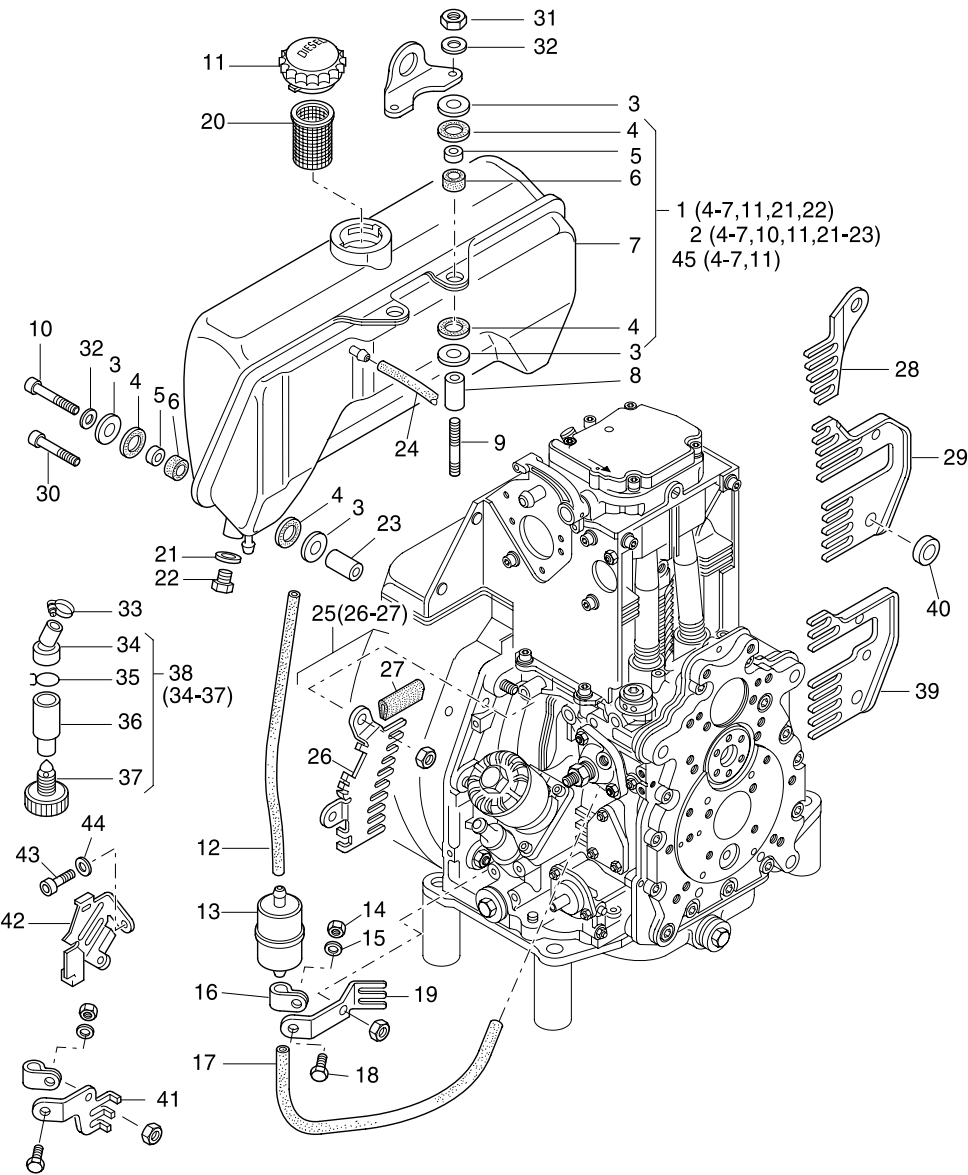


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
35	05036900	1	1	1	1		
36	05043900	1	1	1	1		
37	50414800	1	1	1	1		M 10
38	01519401	1	1	1	1		
39	01529000	1	1	-	-		
40	04065100	1	1	-	-		9,1 x 20 x 2,1
41	05036600	1	1	-	-		
42	05036701	1	1	-	-		
43	50139000	1	1	-	-		M 6 x 10 DIN 912-8.8 C4P
44	50081200	1	1	-	-		A 6 DIN 137 - A3C
45	01585100	-	-	1	1		10 l

A01b

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

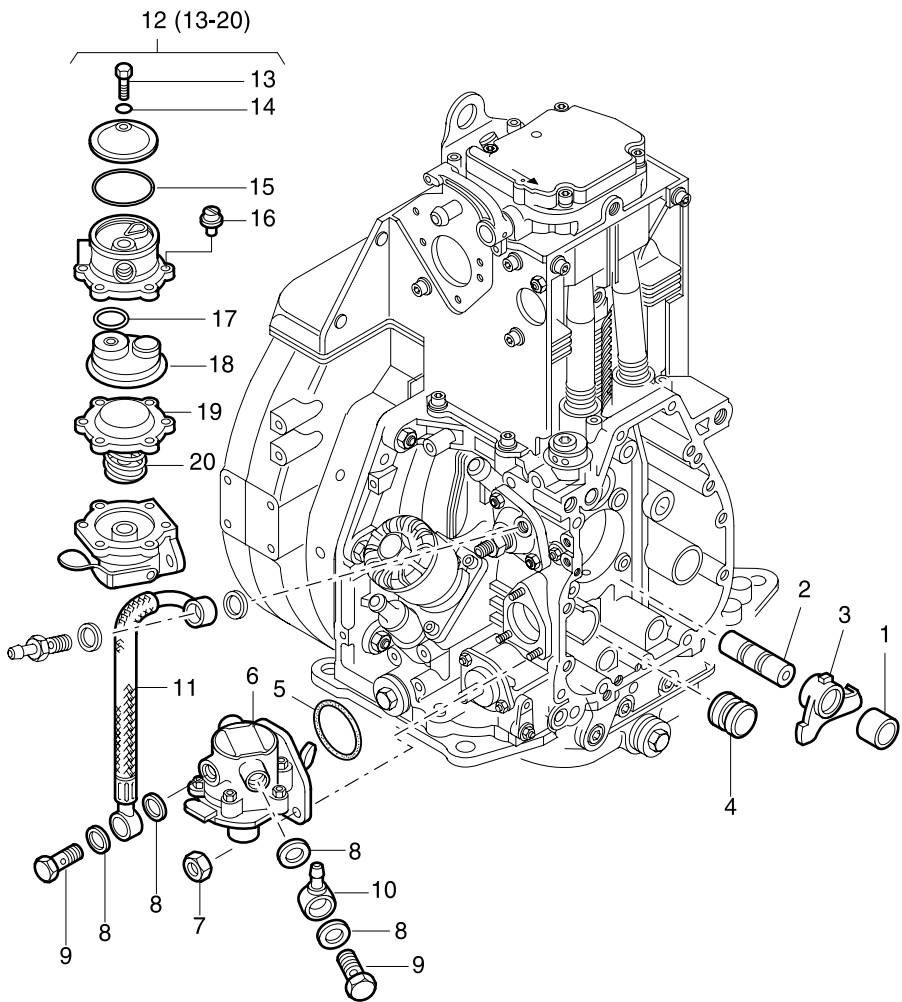


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	04011900	1	1	1	1		15x24x17 "S"
2	03796401	1	1	1	1		"S"
3	04011810	1	1	1	1		
4	04023600	1	1	-	-		ø 25 mm "S"
4	04000800	-	-	1	1		ø 22 mm "S"
5	50331800	1	1	1	1		35 x 2,8
6	50332302	1	1	1	1		
7	50328300	3	3	3	3		VM 6 DIN 980-8 A3C
8	50001200	4	4	4	4		A 14 x 18 DIN 7603-Cu
9	50006400	2	2	2	2		10-3 DIN 7643
10	50015900	1	1	1	1		NW 8 / 6
11	01468801	1	1	1	1		
12	49062501	1	1	1	1		Reparatursatz, repair kit
13	-----	-	-	-	-		
14	-----	-	-	-	-		
15	50399500	1	1	1	1		37 x 2,5
16	-----	-	-	-	-		
17	-----	-	-	-	-		
18	-----	-	-	-	-		
19	-----	-	-	-	-		
20	-----	-	-	-	-		

A02a

Luftfilter
Air filter
Filtre à air
Filtro de aire
Filtro aria

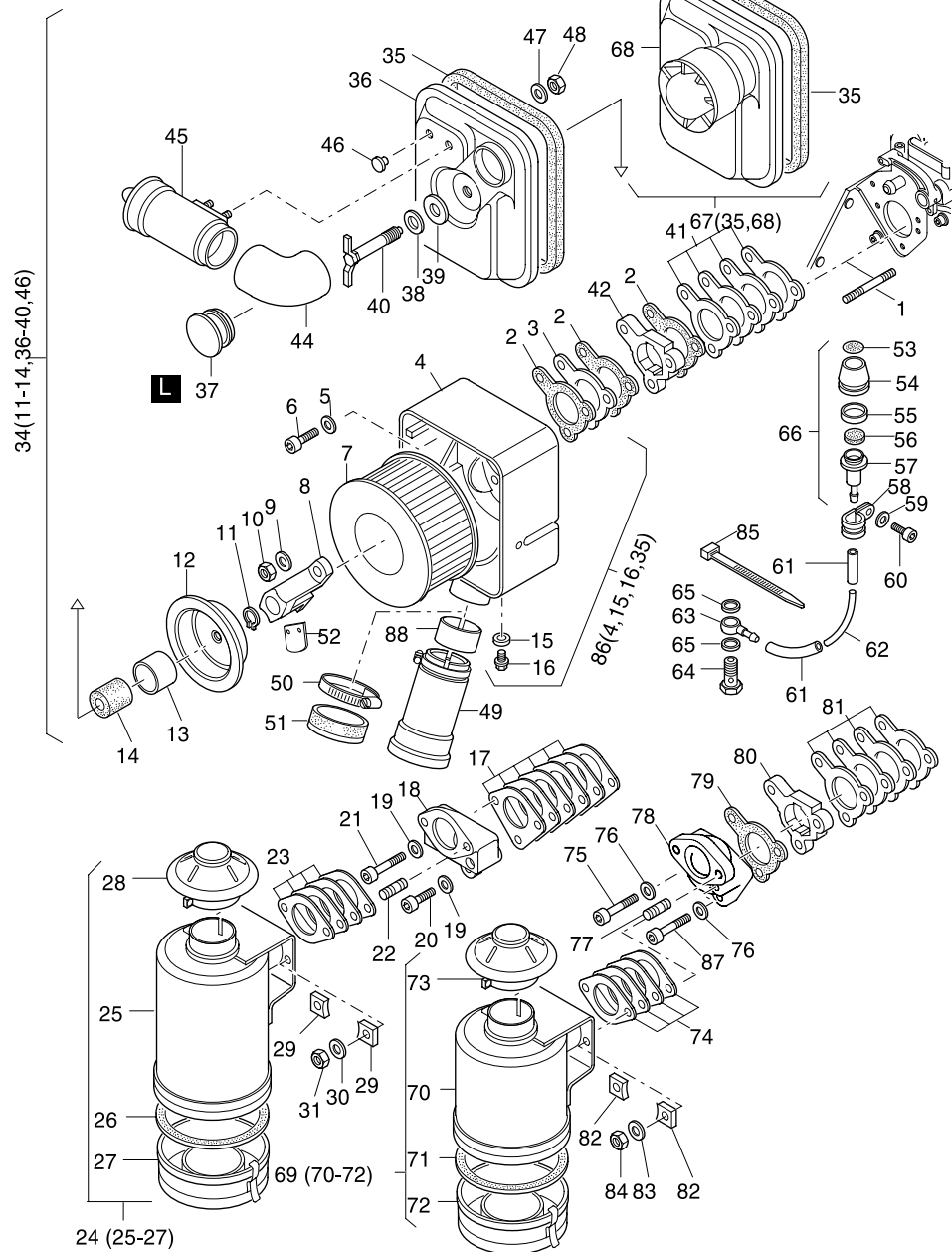


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	50038900	2	2	2	2		M 8 x 60 DIN 855-8.8
2	04029800	3	3	-	-	d3	
2	04006300	-	-	3	3	d3	
3	04029701	1	1	-	-		
3	04006200	-	-	1	1		
4	-----	-	-	-	-		s.Pos. 86
5	50095100	1	1	1	1		A 8 DIN 137 A3C
6	50080800	1	1	-	-		M 8 x 42 DIN 912-8.8
6	50398400	-	-	1	1		M 8 x 45 DIN6912-8.8 A3C
7	04030100	1	1	-	-	W2	
7	01493000	-	-	1	1	W2	
8	01490900	1	1	-	-		
8	01483400	-	-	1	1		
9	50148100	2	2	2	2		8,4 DIN 125-St A3C
10	50129500	2	2	2	2		M 8 DIN 985-8 A3C
11	50412000	1	1	1	1		A 10 x 1 DIN 471
12	05039200	1	1	-	-		
12	05036400	-	-	1	1		
13	05039300	1	1	1	1		33 x 35 x 23,5
14	03579400	1	1	1	1		
15	50000900	1	1	-	-		A 8 x 11,5 DIN 7603-Cu
15	50062400	-	-	1	1		A 10 x 13,5 DIN 7603-Cu
16	50137900	1	1	-	-		M 8 x 1 DIN 7604
16	50062300	-	-	1	1		M 10 x 1 DIN 908-5.8 A3C
17	01280201	-	-	1	1		
18	03987210	-	-	1	1		
19	50095100	-	-	3	3		A 8 DIN 137 A3C
20	50175900	-	-	1	1		M 8 x 30 DIN 912-8.8 A3C
21	50288800	-	-	2	2		M 8 x 55 DIN 912-8.8 A3C
22	50145400	-	-	2	2		M 10 x 28 DIN 835-8.8 A3C
23	01158700	-	-	1	1		
24	01078501	-	-	1	1		
25	-----	-	-	-	-		
26	49038000	-	-	1	1		
27	49056600	-	-	1	1		
28	40036700	-	-	1	1		ø 62 mm
29	03945400	-	-	2	2		
30	50135600	-	-	2	2		10 DIN 128 A3C
31	50145800	-	-	2	2		M 10 DIN 934-8 A3C
34	01449710	1	1	-	-		
34	01279510	-	-	1	1		
35	04061501	1	1	-	-		630 mm
35	04047701	-	-	1	1		705 mm
36	-----	-	-	-	-		
37	05039402	1	1	1	1		

A02a

Luftfilter
Air filter
Filtre à air
Filtro de aire
Filtro aria

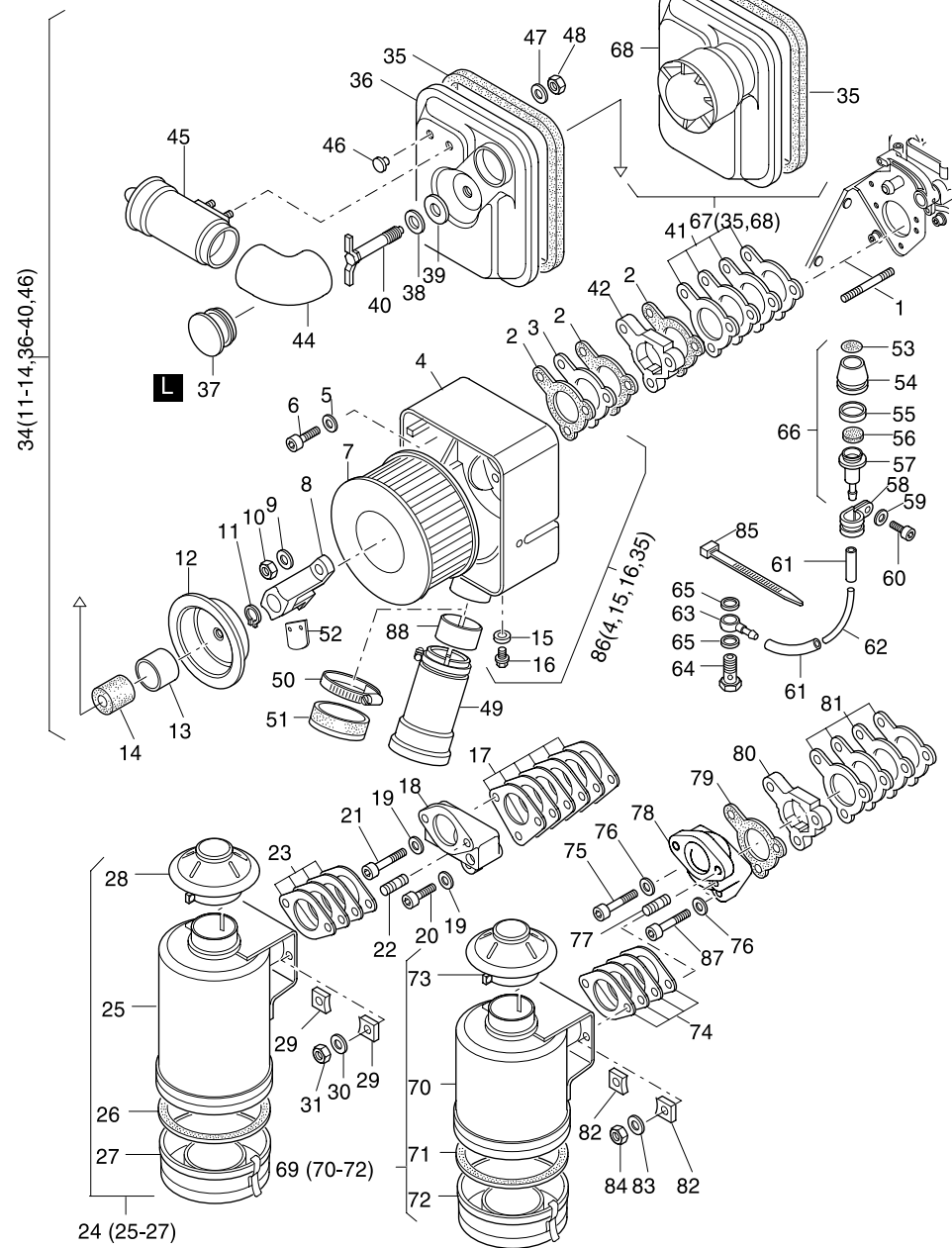
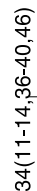


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
38	03814100	1	1	1	1		
39	05038700	1	1	1	1		11 x 36 x 3
40	01490800	1	1	1	1		
41	01449100	1	1	-	-		
41	01287900	-	-	1	1		
42	04053101	1	1	-	-		
42	04047300	-	-	1	1		
44	05038910	1	1	1	1		
45	01491010	1	1	1	1		
46	50411900	2	2	2	2		F 2
47	50120000	2	2	2	2		A 6,4 DIN 9021-St A3C
48	40028300	2	2	2	2		VM 6 DIN 980 C3P
49	01471200	1	1	-	-		
49	01411000	-	-	1	1		
50	50406600	1	1	1	1		40 / 60
51	01481400	1	1	-	-		
51	00575900	-	-	1	1		
52	05033500	1	1	1	1		"S - Z" (f.Pos. 66)
53	05044501	1	1	1	1		
54	05043601	1	1	1	1		
55	05045600	1	1	1	1		(grün, green, vert, verde)
56	05137200	1	1	1	1		Filter, Filtre, Filtro ø 20 mm
57	05043700	1	1	1	1		
58	50173500	1	1	1	1		10 / 15
59	50170900	1	1	1	1		6 DIN 128 - A3C
60	50170600	1	1	1	1		M 6 x 20 DIN 912-8.8 A3C
61	03961400	2	2	2	2		3,5 x 50
62	05044610	1	1	-	-		2 x 4 x 135
62	05043800	-	-	1	1		2 x 4 x 170
63	50015700	1	1	-	-		NW 3
63	50159500	-	-	1	1		NW 4/3
64	50006100	1	1	-	-		4-5-3 DIN 7643
64	50006200	-	-	1	1		6 - 3 DIN 7643
65	50000900	2	2	-	-		A 8 x 11,5 DIN 7603-Cu
65	50062400	-	-	2	2		A 10 x 13,5 DIN 7603-Cu
66	01499801	1	1	1	1		
67	01539300	1	1	-	-		
67	01705500	-	-	1	1		
68	-----	-	-	-	-		
69	01647100	1	1	-	-		
70	-----	-	-	-	-		
71	49038000	1	1	-	-		
72	49037900	1	1	-	-		
73	40040400	1	1	-	-		
74	01651401	1	1	-	-		

Luftfilter
Air filter
Filtre à air
Filtro de aire
Filtro aria



75	50392900	2	2	-	-	M 8 x 50 DIN 912 - 8.8 A3C
76	50095100	3	3	-	-	A 8 DIN 137 A3C
77	50145700	2	2	-	-	M 10 x 20 DIN 835-8.8 A3C
78	05173101	1	1	-	-	
79	04029800	1	1	-	-	
80	04053101	1	1	-	-	
81	01449100	1	1	-	-	
82	03945400	2	2	-	-	
83	50135600	2	2	-	-	10 DIN 128 A3C
84	50145800	2	2	-	-	M 10 DIN 934-8 A3C
85	50358400	1	1	1	1	200 x 4,8 mm
86	01498301	1	1	-	-	
86	01486601	-	-	1	1	s.Grp A05c Pos 24/25
87	50177200	1	1	-	-	M 8 x 80 DIN 912-8.8 A3C
88	05026100	-	-	1	1	

A02b

Luftfilter
Air filter
Filtre à air
Filtro de aire
Filtro aria

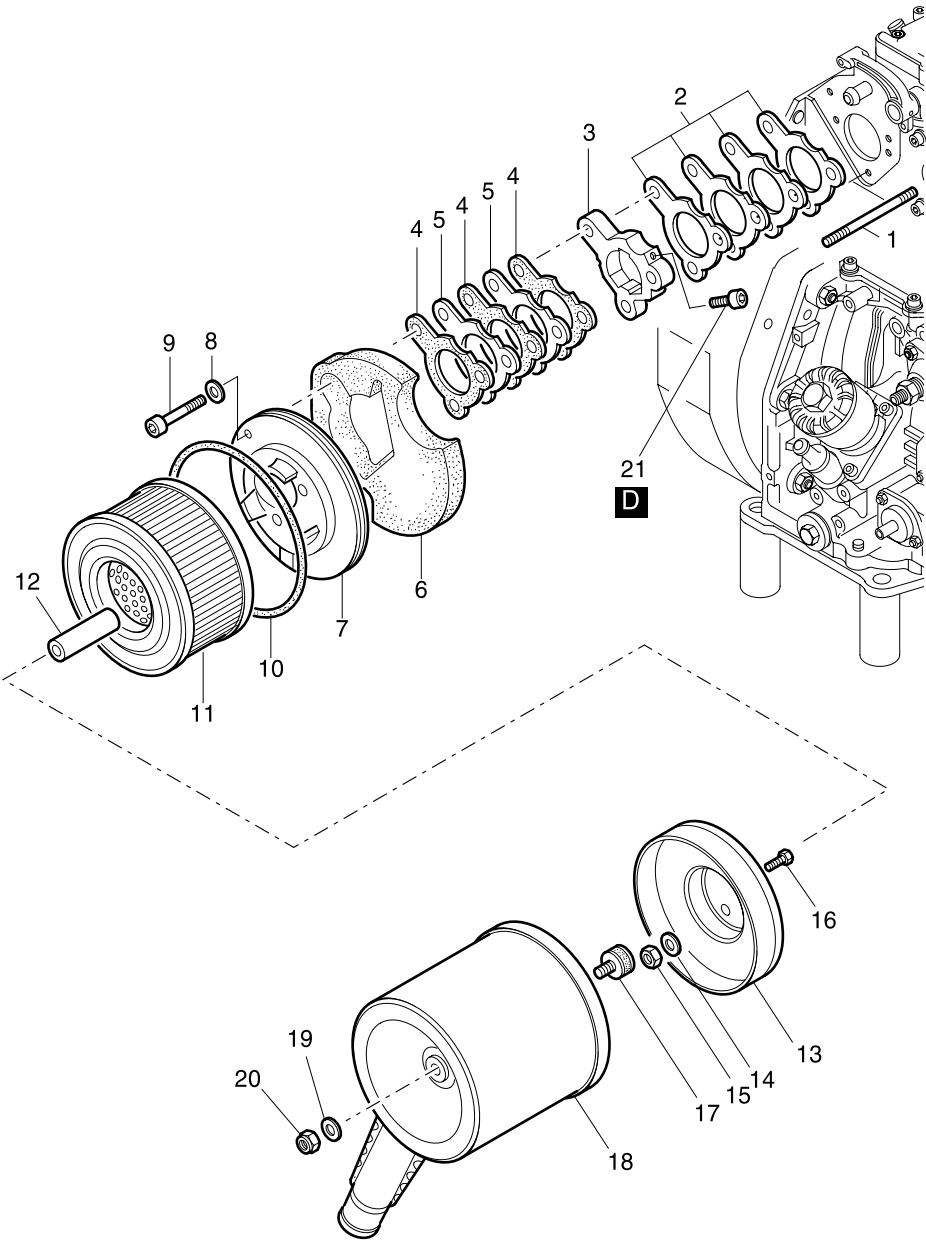


Fig.- No.	HATZ Ident-No.	Stück Qty.	P / W d / D	Bemerkungen Notes
1D41				
1	50412100	2		M 8x 125 DIN 835-5.8
2	01449100	1		
3	04053101	1		
4	04029800	3		
5	04029701	2		
6	04063201	1		
7	04054701	1		
8	50095100	1		A 8 DIN 137 A3C
9	50342400	1		M 8 x 50 DIN 6912-8.8 A3C
10	04055700	1		135 x 6
11	04030100	1	W2	
12	04039610	2		9 x 16 x 64,7
13	01558800	1		
14	50148100	2		8,4 DIN 125-St A3C
15	50129500	2		M 8 DIN 985-8 A3C
16	50333500	1		M 6 x 8 DIN 933-8.8 A3C
17	50395100	1		25 / 25
18	01281100	1		
19	50144500	1		6,4 DIN 125-St A3C
20	40028300	1		VM 6 DIN 980 C3P
21	50112600	1		M 5 x 10 DIN 6912-8.8 A3C

A03a

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

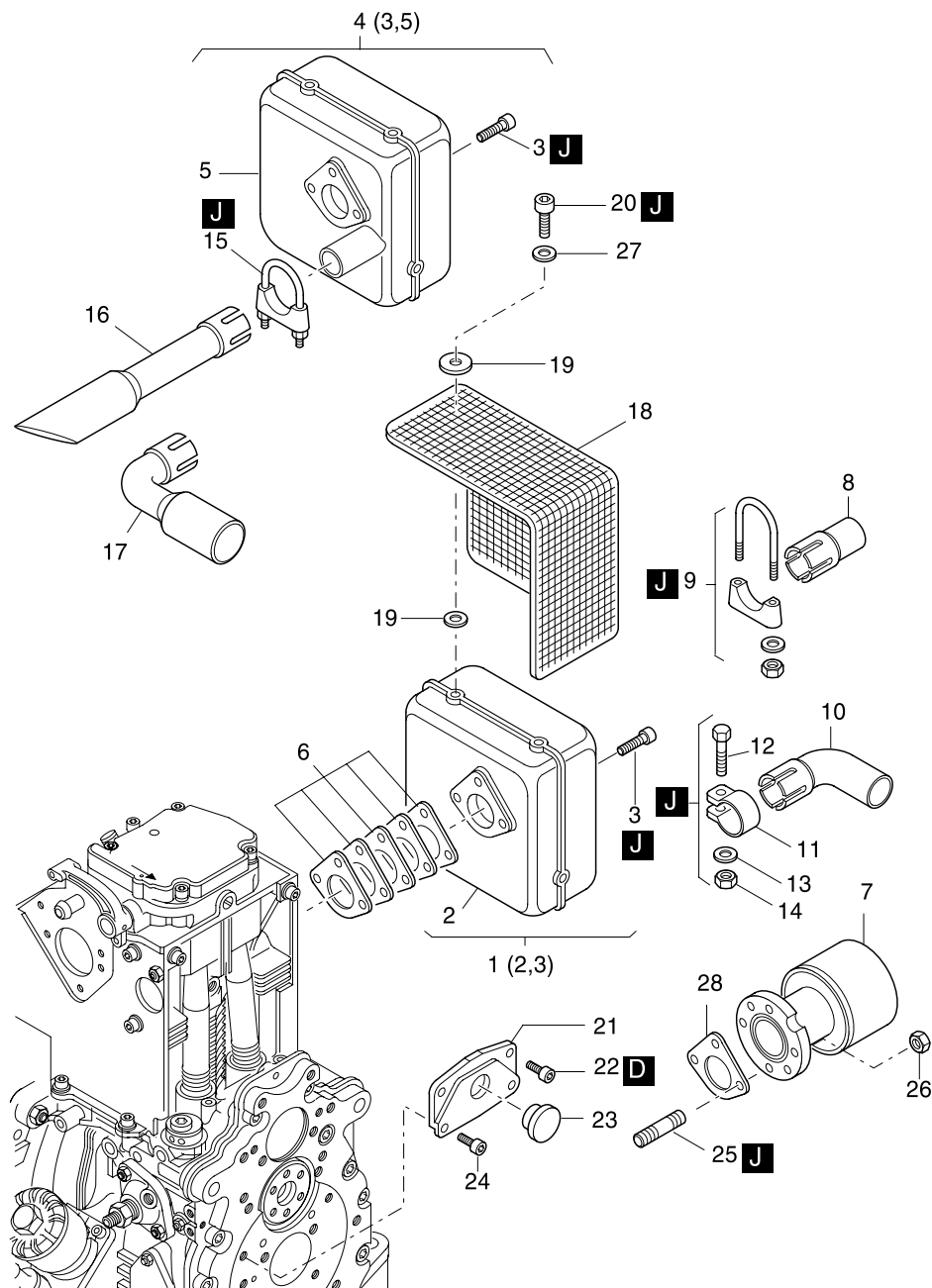


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	01558600	1	1	-	-		
1	01498800	-	-	1	1		
2	-----	-	-	-	-		
3	50403900	3	3	-	-		M 8 x 25 DIN 912-8.8 C4P
3	50404000	-	-	3	3		M 8 x 30 DIN 912-8.8 C4P
4	01507700	1	1	-	-		
4	01507500	-	-	1	1		
5	-----	-	-	-	-		
6	01489310	1	1	-	-	d1	
6	01429100	-	-	1	1	d1	
7	01500901	1	1	1	1		
8	03998300	1	1	-	-		
9	00873100	1	1	-	-		40 / 42
10	03740800	1	1	-	-		ø 38
10	03877300	-	-	1	1		
11	03740900	1	1	-	-		41,5 mm
11	03877700	-	-	1	1		52,5 mm
12	50380000	1	1	-	-		M 8 x 50 DIN 931-8.8 A3C
12	50249500	-	-	1	1		M 10 x 50 DIN 931-8.8 A3C
13	50148100	1	1	-	-		8,4 DIN 125-St A3C
13	50145900	-	-	1	1		B 10,5 DIN 125-St A3C
14	40028400	1	1	-	-		VM 8 DIN 980-8 C3A
14	40028600	-	-	1	1		VM 10 DIN 980-8 C3A
15	50388000	1	1	-	-		1/8-28
15	50388100	-	-	1	1		3/8-36
16	03997301	1	1	-	-		
16	03997101	-	-	1	1		
17	03997200	1	1	-	-		
17	03997000	-	-	1	1		
18	05140700	1	1	-	-		
18	01191902	-	-	1	1		
19	05034202	8	8	10	10		6,5 x 38
20	50255700	4	4	5	5		M 6 x12 DIN 912-8.8 C4A
21	03985300	1	1	1	1		
22	50135700	2	2	2	2		M 10 x 16 DIN 912-8.8 A3C
23	40091400	1	1	1	1		F24
24	50165400	2	2	2	2		M 8 x 16 DIN 912-8.8 A3C
25	50037800	2	2	-	-		M 8 x 22 DIN 835-10.9
25	50037300	-	-	2	2		M 8 x 18 DIN 835-10.9
26	40028400	2	2	2	2		VM 8 DIN 980-8 C3A
27	50120000	4	4	5	5		A 6,4 DIN 9021-St A3C
28	03974100	9	9	-	-		
28	03956900	-	-	2	2		

A03b

Abgasdämpfer C
Exhaust silencer C
Silencieux C
Silenciador C
Scarico C

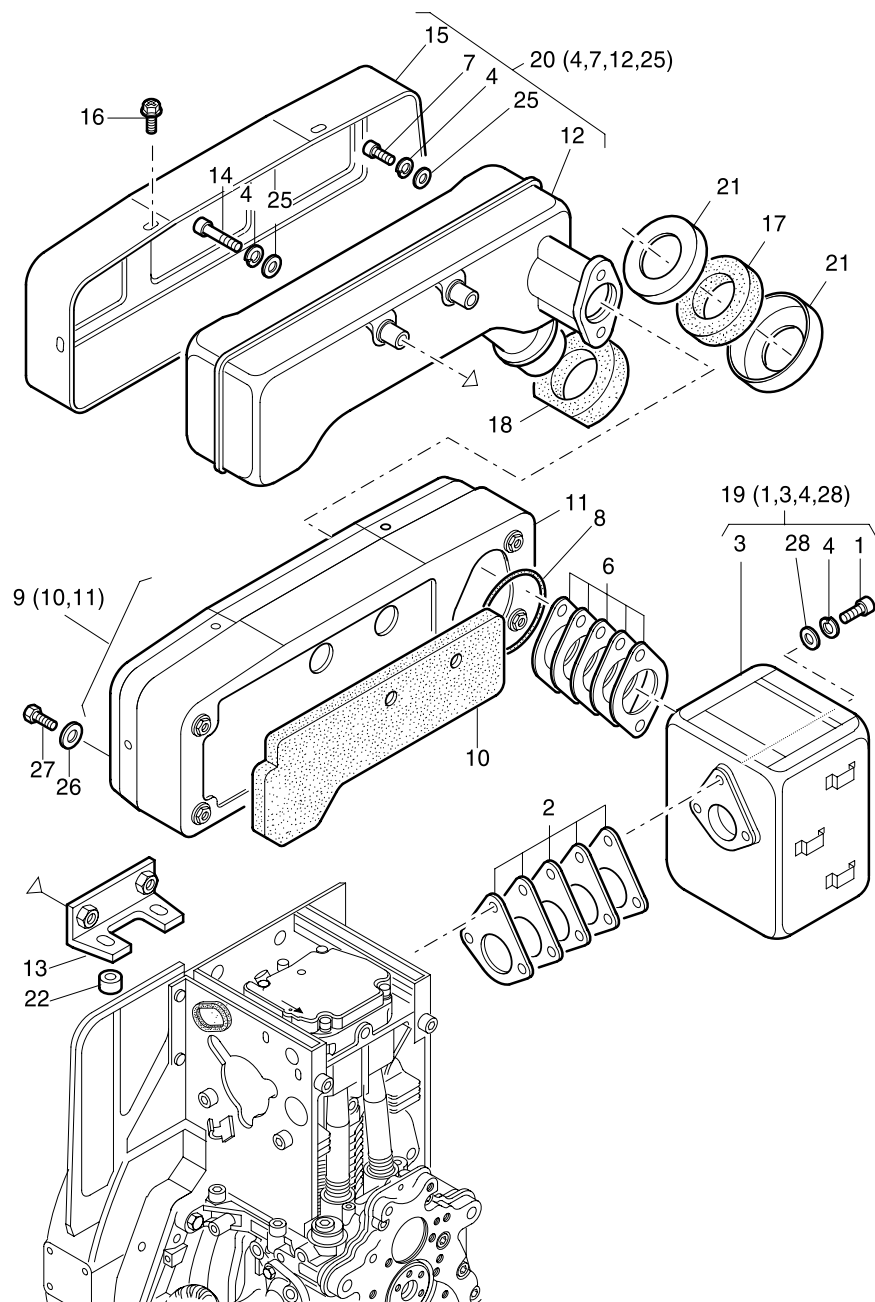
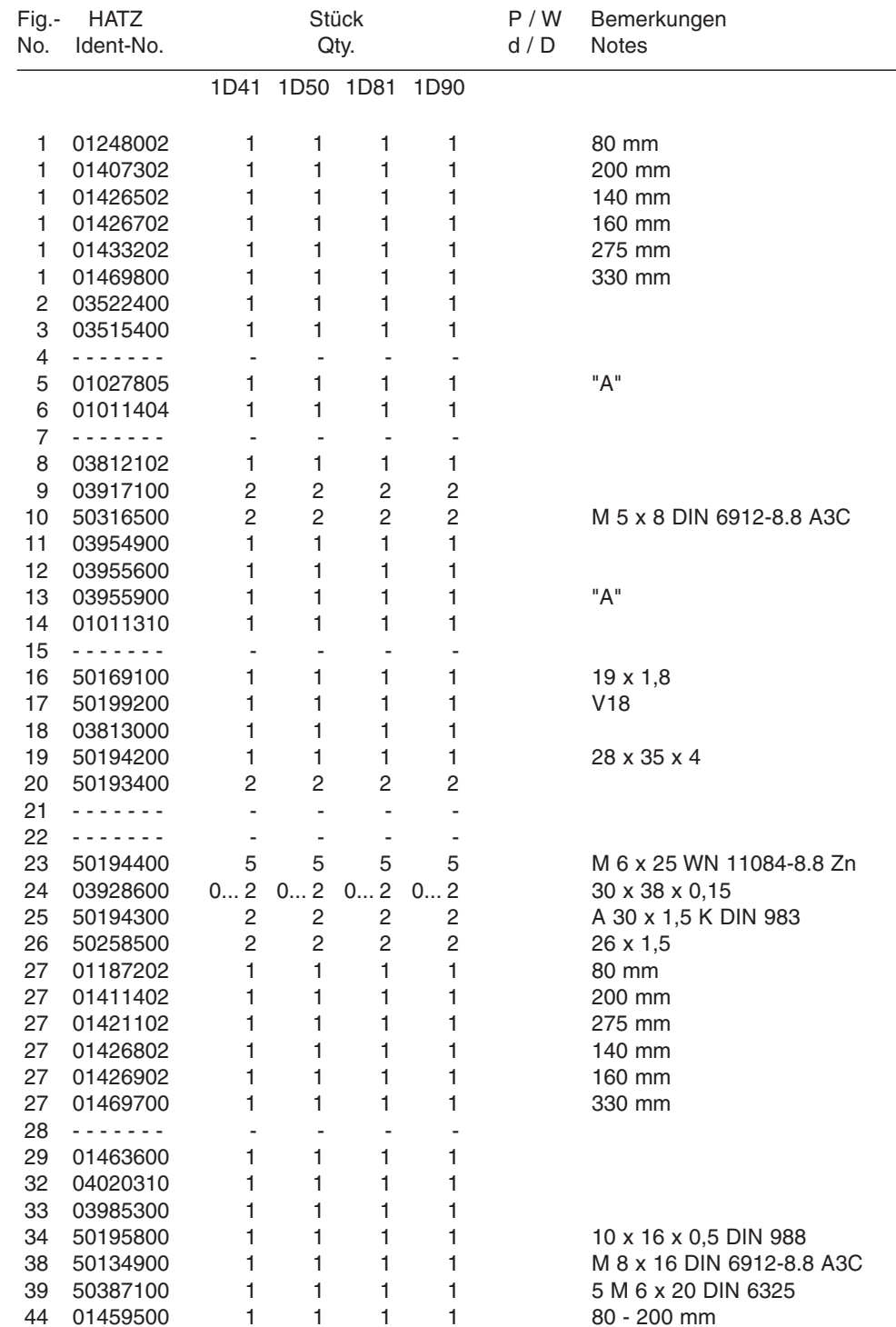
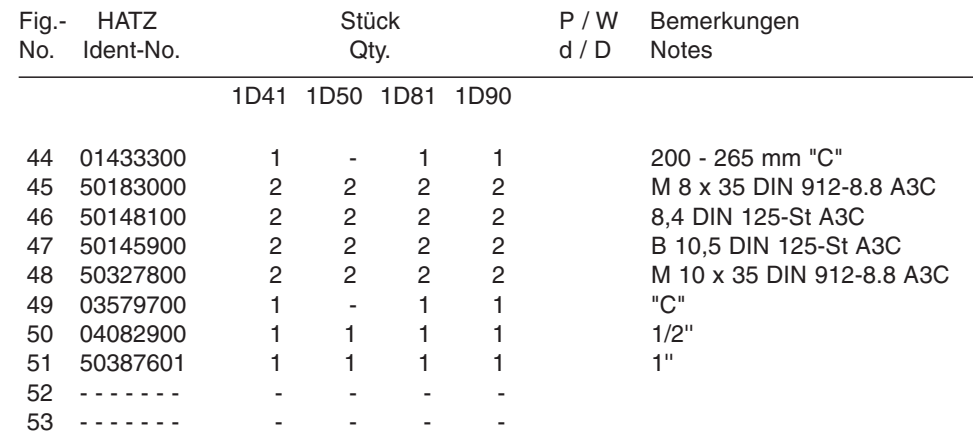


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D41C	1D81C	1D90C	P / W d / D	Bemerkungen Notes
			1D41C	1D81C	1D90C		
1	50429600	3	-	-	-		M 8 x 35 DIN 912-8.8 C4P
1	50404000	-	3	3	-		M 8 x 30 DIN 912-8.8 C4P
2	01427900	1	-	-	-		
2	01429100	-	1	1	-		
3	-----	-	-	-	-		
4	50347301	7	7	7	-		VHZ 8 A3C
6	01309300	1	-	-	-		
6	01287800	-	1	1	-		
7	50403900	2	2	2	-		M 8 x 25 DIN 912-8.8 C4P
8	50349700	-	1	1	-		100 x 2,5
9	01309400	1	-	-	-		
9	01278200	-	1	1	-		
10	04078800	1	-	-	-		
10	04045400	-	1	1	-		
11	-----	-	-	-	-		
12	-----	-	-	-	-		
13	01307800	1	-	-	-		
13	01282710	-	1	1	-		
14	50404100	2	2	2	-		M 8 x 60 DIN 912-8.8 C4P
15	01307501	1	-	-	-		
15	01274001	-	1	1	-		
16	50289200	8	6	6	-		M 6 x 12 KZ 1-8.8 A3D
17	04079500	1	-	-	-		
18	04050000	-	1	1	-		
19	01309600	1	-	-	-		
19	01469010	-	1	1	-		
20	01309500	1	-	-	-		
20	01469100	-	1	1	-		
21	04079400	2	-	-	-		
22	04064600	2	-	-	-		8,4 x 19 x 5,5
25	50115700	4	4	4	-		8,4 DIN433-St 140 HV
26	50002700	-	4	4	-		6 DIN 128
27	50025700	-	4	4	-		M 6 x 16 DIN 933-8.8
28	50115700	3	3	3	-		8,4 DIN433-St 140 HV

Andrehkurbel
Starting handle
Manivelle
Manivela
Manovella



Andrehkurbel
Starting handle
Manivelle
Manivela
Manovella



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

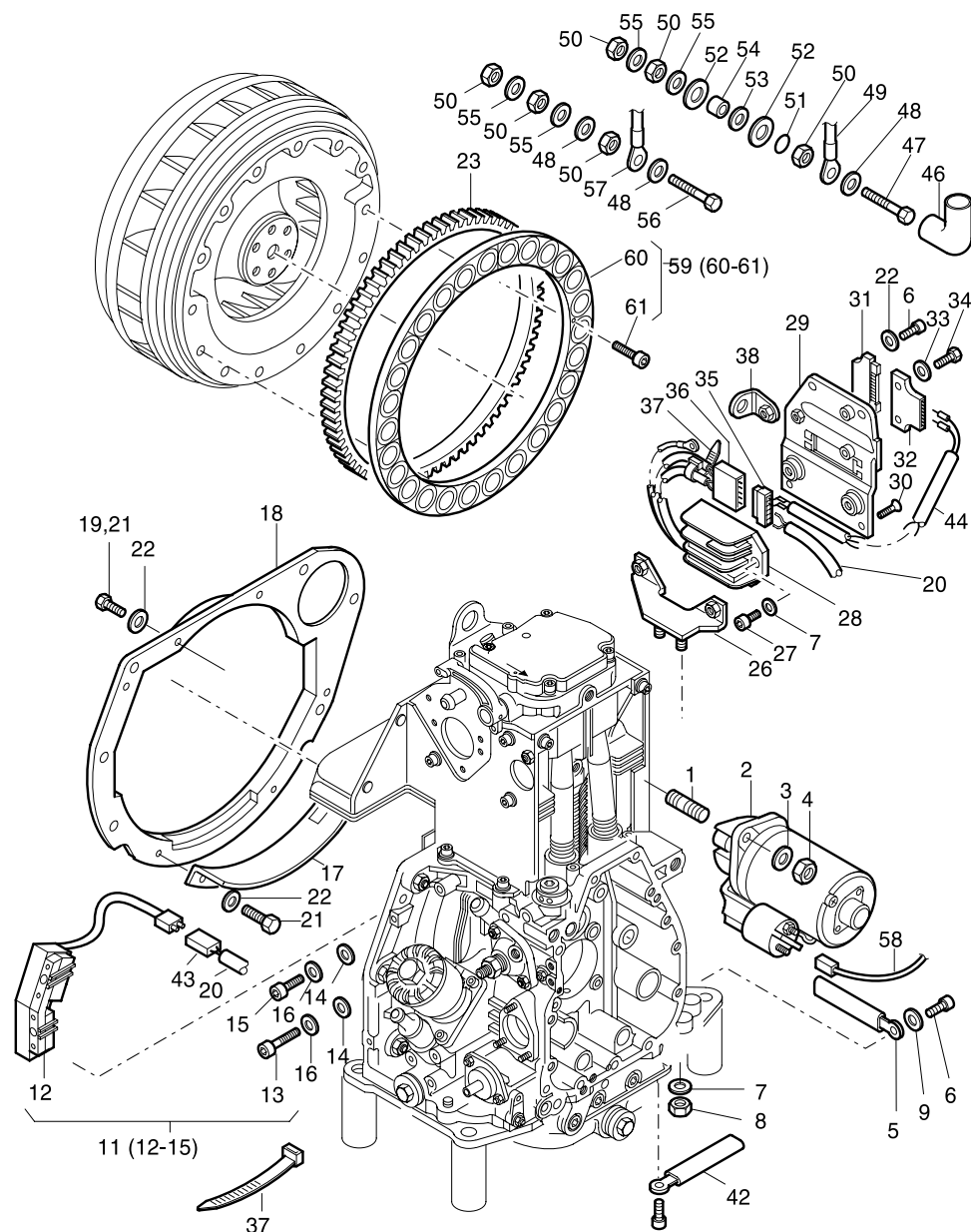
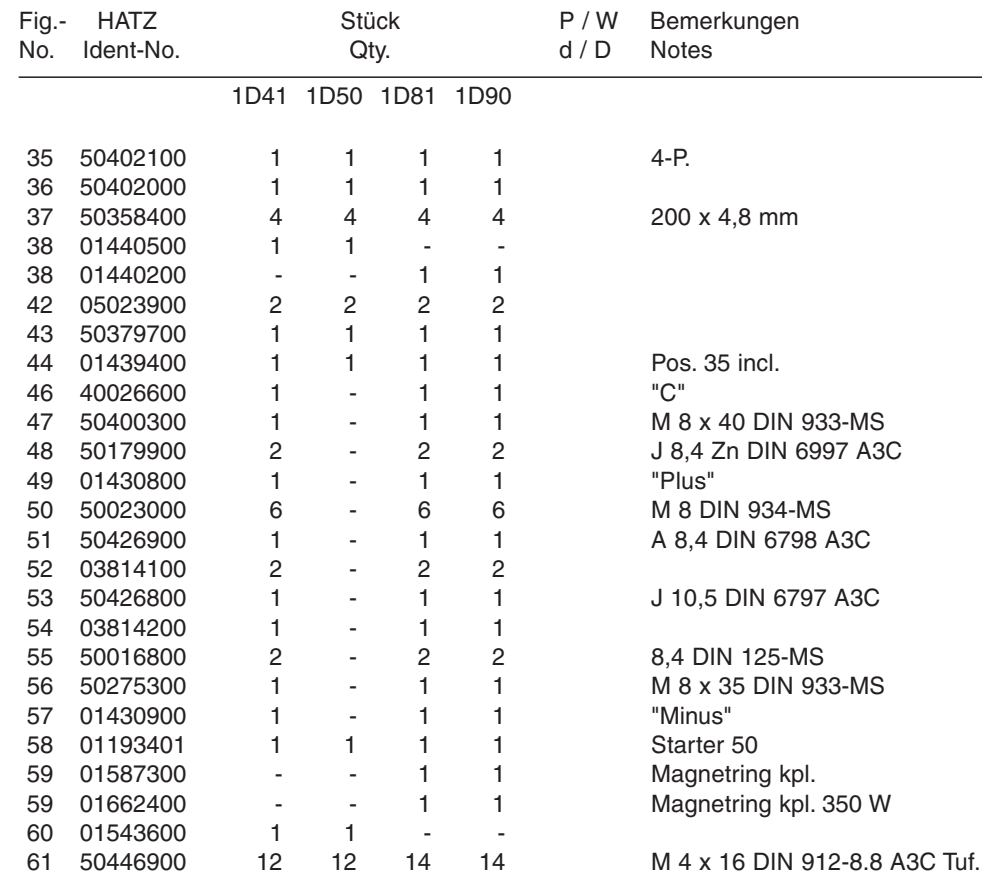


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	50486400	2	2	2	2		M 12 x 50Fo DIN 835-8.8 A3C
2	01721000	1	1	-	-		12 V - 2,0 kW "S, Z, C"
2	01721200	1	1	-	-		24 V - 2,5 kW "S, Z, C"
2	50495900	-	-	1	1		12 V - 2,0 kW "S, Z, C"
2	50496100	-	-	1	1		24 V - 2,5 kW "S, Z, C"
3	50093700	2	2	2	2		13 DIN 125-St A3C
4	50380600	2	2	2	2		M 12 DIN 934-8 A3C
5	05001200	2	2	2	2		
6	50149100	2	2	2	2		M 6 x 12 DIN 912-8.8 A3C
7	50208500	4	4	4	4		8 DIN 128 A3C
8	50148000	2	2	2	2		M 8 DIN 934-8 A3C
9	50144500	1	1	1	1		6,4 DIN 125-St A3C
11	01592400	-	-	1	1		12 V
11	01592500	-	-	1	1		24 V
11	01639400	-	-	1	1		12 V - 350 W
11	01639500	-	-	1	1		24 V - 350 W
12	01440710	1	1	-	-		12 V
12	01440810	1	1	-	-		24 V
13	50236600	1	1	-	-		M 6 x 25 DIN 6912-8.8 A3C
13	50448800	-	-	1	1		M 6 x 40 DIN 6912-8.8 A3C
14	50165600	2	2	2	2		6,5 x 14 DIN 6904 A3C
15	50448700	1	1	1	1		M 6 x 30 DIN 6912-8.8 A3C
16	50144500	1	1	2	2		6,4 DIN 125-St A3C
17	04021100	-	-	1	1		"S, Z"
18	04031810	1	-	-	-		
18	04136801	-	1	-	-		
18	04009920	-	-	1	1		
19	50098500	-	2	-	-		M 8 x 16 DIN 933-8.8 A3C
20	01462800	0... 1	0... 1	0... 1	0... 1		
20	01558300	0... 1	0... 1	0... 1	0... 1		350W
21	50165500	5	5	5	5		M 6 x 12 DIN 933-8.8 A3C
22	50170900	6	6	6	6		6 DIN 128 - A3C
23	04032310	1	1	-	-		"S, Z, C"
23	04021210	-	-	1	1		"S, Z, C"
26	01440401	1	1	-	-		
26	01440301	-	-	1	1		
27	50165400	2	2	2	2		M 8 x 16 DIN 912-8.8 A3C
28	01248123	1	1	1	1		12 V
28	01425023	1	1	1	1		24 V
29	01440100	1	1	1	1		
30	50422500	2	2	2	2		M 6 x 12 DIN 7991 - 8.8 A3C
31	50373700	1	1	1	1		
32	50373600	1	1	1	1		
33	50216300	2	2	2	2		5,3 DIN 125-St A3C
34	50335700	2	2	2	2		M 5 x 25 DIN 933-8.8 A3C

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



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

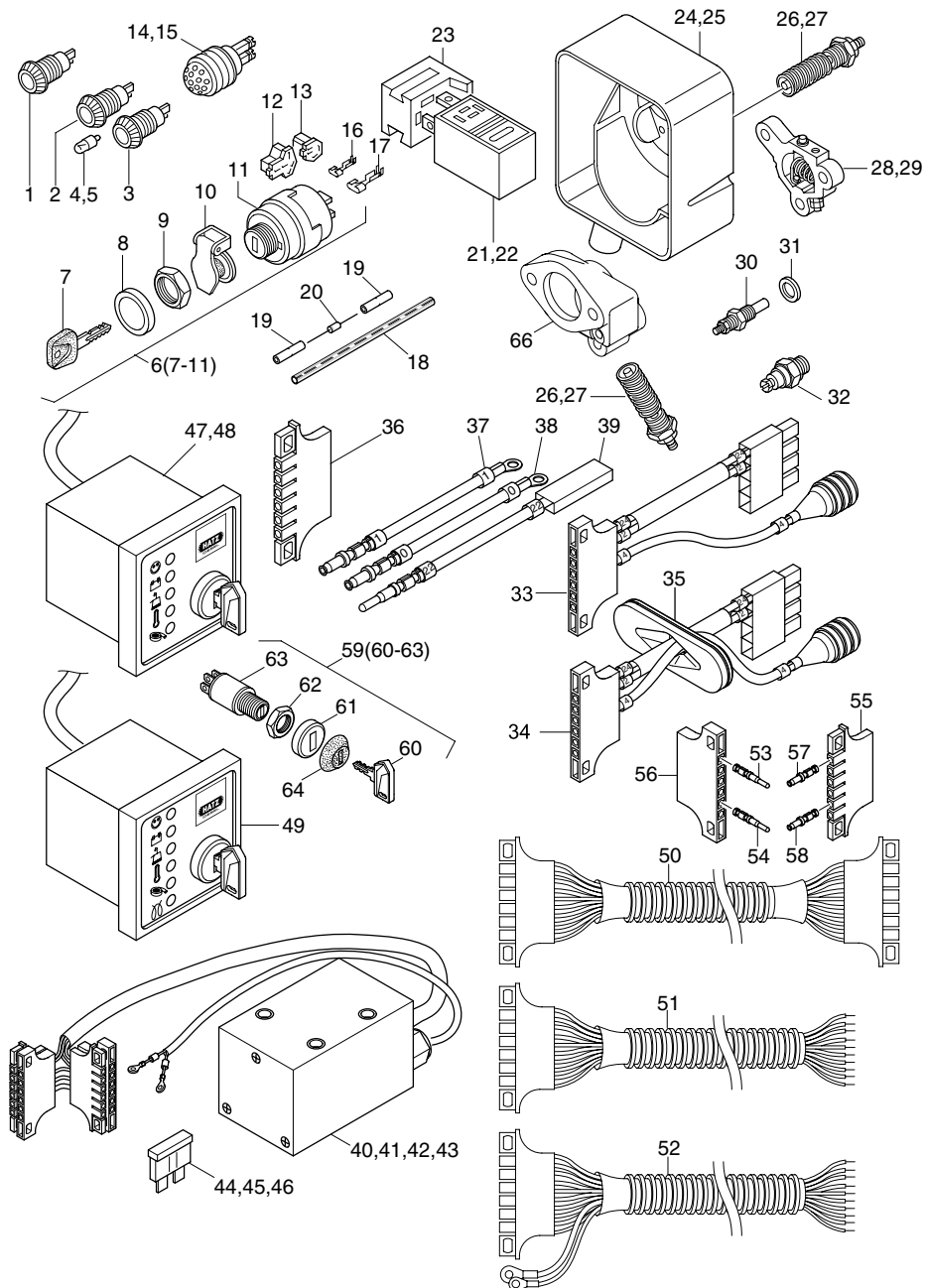


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	50176500	1	1	1	1		BATT.
2	50176400	1	1	1	1		TEMP.
3	50176600	1	1	1	1		OIL
4	40009700	0... 3	0... 3	0... 3	0... 3		12 V - 2 W
5	40009800	0... 3	0... 3	0... 3	0... 3		24 V - 2 W
6	50276502	1	1	1	1		
7	50345300	1	1	1	1		14603
8	-----	-	-	-	-		
9	-----	-	-	-	-		
10	49050900	1	1	1	1		
11	-----	-	-	-	-		
12	50276700	1	1	1	1		6 - P
13	50276600	1	1	1	1		4 - P
14	50403600	1	1	-	-		12 - 24 V
15	50397200	-	-	1	1		12 - 24 V
16	40074700	5	5	5	5		B 6,3 - 2,5 BZ
17	50276800	4	4	4	4		9,5 - 6A
18	03670000	2	2	2	2		4 x 120 mm
19	50189200	4	4	4	4		
20	50344400	2	2	2	2		DIODE
21	50275802	0... 1	0... 1	0... 1	0... 1		12 V HATZ MSR
22	50275902	0... 1	0... 1	0... 1	0... 1		24 V HATZ MSR
23	50276000	1	1	1	1		
24	05035110	0... 1	0... 1	-	-		(24 V)
25	04056110	-	-	0... 1	0... 1		(24 V)
26	50403700	0... 1	0... 1	-	-		24 V Widerstand, resistor
27	50397301	-	-	0... 1	0... 1		24 V Widerstand, resistor
28	01468201	1	1	-	-		12 - 24 V
29	01275500	-	-	1	1		12 - 24 V
30	50268600	1	1	1	1		TEMP. 12-24V
31	05162400	1	1	1	1		10,4 x 14 x 4
32	50272200	1	1	1	1		12 - 24V Oil
33	01403620	1	1	1	1		
34	01470100	1	-	1	1		"C"
35	03993100	1	-	1	1		"C"
36	50373700	1	1	1	1		
37	01574300	1	1	1	1		(1)
38	01574402	1	1	1	1		(0)
39	01526800	1	1	1	1		(22)
40	01589300	1	1	1	1		12 V Powerbox II
41	01595700	1	1	1	1		24 V Powerbox II
42	01591000	1	1	1	1		12 V Powerbox III
43	01591100	1	1	1	1		24 V Powerbox III
44	50430400	0... 1	0... 1	0... 1	0... 1		15 A
44	50459300	0... 1	0... 1	0... 1	0... 1		10 A

A05c

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

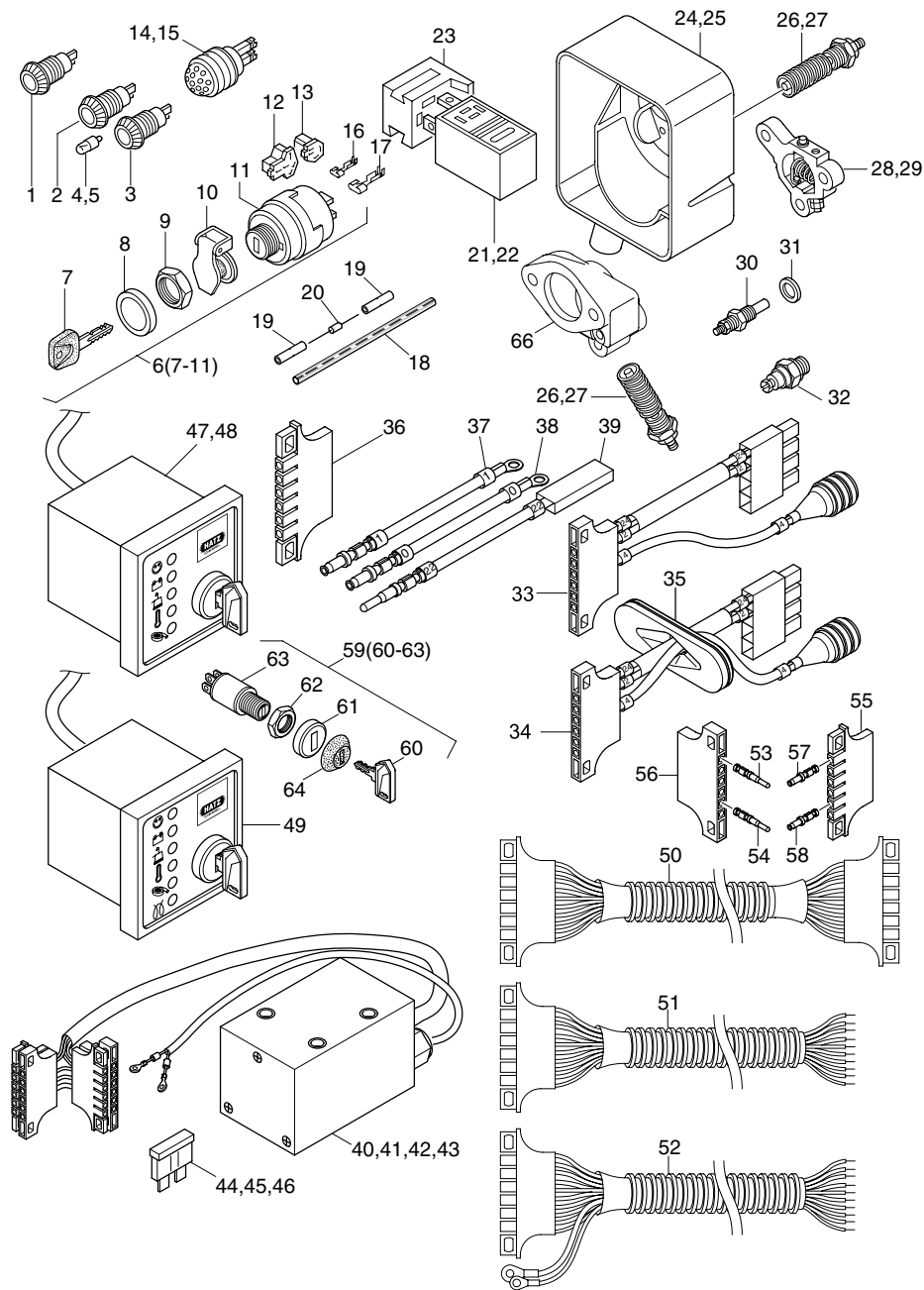


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
45	50430700	0... 1	0... 1	0... 1	0... 1		30 A
46	50433000	1... 2	1... 2	1... 2	1... 2		40 A
47	01551802	1	1	1	1		12 V, A 1
48	01569702	1	1	1	1		24 V, A 1
49	01558901	1	1	1	1		12 V / 24 V, Aut.
50	01611200	1	1	1	1		K 1 - 2 m
51	01549801	1	1	1	1		K 2 - 2 m
52	01192710	1	1	1	1		K 3 - 2 m
53	50374300	1	1	1	1		2,5 - 4,0
54	50374100	5	5	5	5		0,5 - 1,0
55	50373700	1	1	1	1		
56	50373600	1	1	1	1		
57	50373800	5	5	5	5		0,5 - 1,0
58	50373900	1	1	1	1		1,5 - 2,5
59	50384401	1	1	1	1		
60	50404900	1	1	1	1		Nr. 14644
61	-----	-	-	-	-		
62	-----	-	-	-	-		
63	-----	-	-	-	-		
64	05126402	1	1	1	1		
66	05258500	-	-	1	1		

A09, A11

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

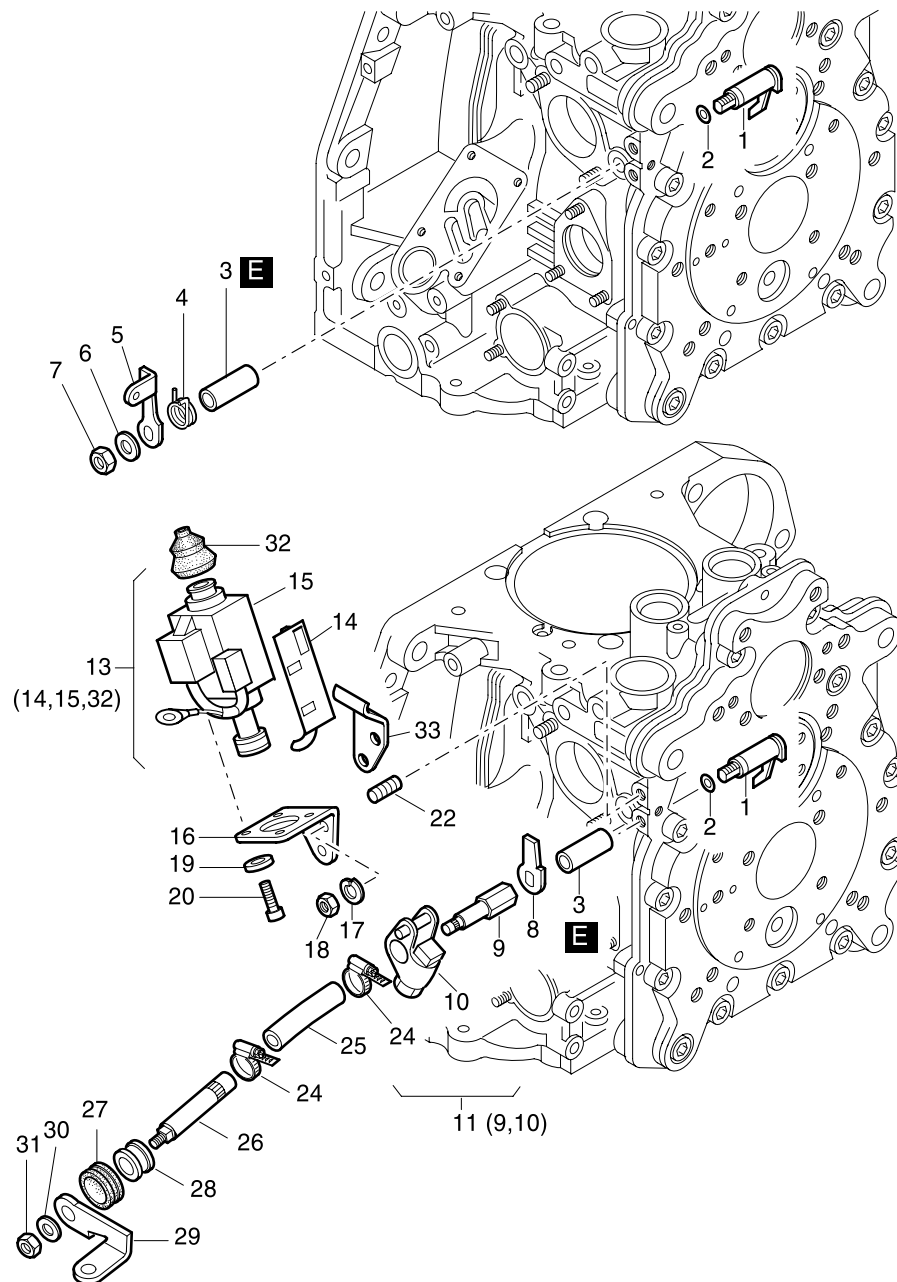


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D41	1D50	1D81	1D90		
1	01254603	1	1	1	1		
2	50343300	1	1	1	1		4,6 x 1,85
3	04021400	1	1	1	1		
4	04021800	1	1	1	1		
5	04021700	1	1	1	1		
6	50144500	1	1	1	1		6,4 DIN 125-St A3C
7	50328300	1	1	1	1		VM 6 DIN 980-8 A3C
8	05209200	1	1	1	1		
9	-----	-	-	-	-		
10	01493110	1	1	1	1		
11	01515300	1	1	1	1		
13	01515500	1	1	1	1		12 V
13	01515400	1	1	1	1		24 V
14	05058400	1	1	1	1		
15	-----	-	-	-	-		
16	05023501	1	1	1	1		
17	50170900	2	2	2	2		6 DIN 128 - A3C
18	50144400	2	2	2	2		M 6 DIN 934 - 8 A3C
19	50216300	3	3	3	3		5,3 DIN 125-St A3C
20	50112600	4	4	4	4		M 5 x 10 DIN 6912-8.8 A3C
22	50366800	2	2	2	2		M 6 x 12 DIN 835-8.8 A3C
24	40037300	2	-	2	2		7,5 SKZ SGT 8-12 "C"
25	03999001	1	-	1	1		7 x 70 "C"
26	03996600	1	-	1	1		"C"
27	03565400	1	-	1	1		"C"
28	05069200	1	-	1	1		"C"
29	04021700	1	-	1	1		
30	50144500	1	-	1	1		6,4 DIN 125-St A3C
31	50328300	1	-	1	1		VM 6 DIN 980-8 A3C
32	50248900	1	1	1	1		
33	05205700	1	1	1	1		

Serien-Nr.-Änderungen
Serial-code modification list
Modification des Nos de serien
Modificación de los Nos de serie
Modifica dei codici

IMT-No.

1D41.13	1D41.14	97.562
1D41.14	1D41.15	97.563
1D41.15	1D41.16	97.565
1D41.16	1D41.17	98.584
1D41.17	1D41.18	00.602
1D41.18	1D41.19	02.618
1D41.19	1D41.20	04.637
1D50.11	1D50.12	00.593
1D50.12	1D50.13	00.605
1D50.13	1D50.14	02.618
1D50.14	1D50.15	04.637
1D81.12	1D81.13	96.552
1D81.13	1D81.14	96.553
1D81.14	1D81.15	96.554
1D81.15	1D81.16	97.562
1D81.16	1D81.17	97.565
1D81.17	1D81.18	97.570
1D81.18	1D81.19	98.579
1D81.19	1D81.20	00.596
1D81.20	1D81.21	00.599
1D81.21	1D81.22	01.609
1D81.22	1D81.23	02.618
1D90.10	1D90.11	97.562
1D90.11	1D90.12	97.565
1D90.12	1D90.13	97.570
1D90.13	1D90.14	98.579
1D90.14	1D90.15	00.603
1D90.15	1D90.16	00.599
1D90.16	1D90.17	02.618