

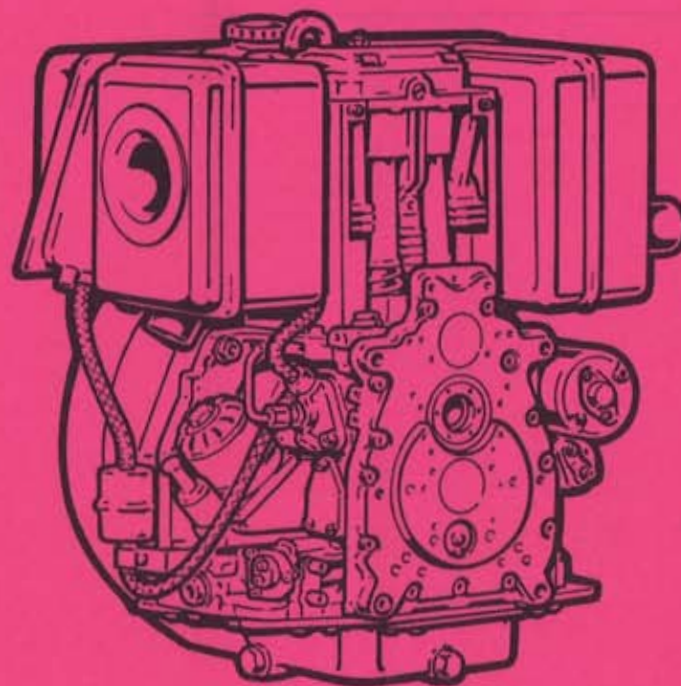
HATZ
DIESEL

Motorenfabrik HATZ GmbH & Co KG
D-8399 Ruhstorf a. d. Rott
Tel.: 08531/319-1, Telex: 57260, Telefax: 08531/32716

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Schutzgebühr DM 3.-
Protection tax
Taxe de protection
Derecho de protección

Ersatzteil-Liste
Spare parts list
Liste des pièces de rechange
Lista de recambios



HATZ
DIESEL

1D20.
1D30.
1D40.
1D60.
1D80.

No. 1 D 20.10
No. 1 D 30.10
No. 1 D 40.10

No. 1 D 60.10
No. 1 D 80.10

WICHTIG - Bitte Daten eintragen
IMPORTANT - Compléter les données

IMPORTANT - Please enter data
IMPORTANTE - Favor completar datos

Bitte hier **Typ**, **Motornummer** und **Drehzahl** (siehe Motor-Typenschild) eintragen.

Enter here **type engine no.** and **rpm.** (see engine type-plate).

Indiquer ici le **type**, **N° de moteur** et **régime** (voir plaque signalétique).

Insertar aquí tipo- N° motor y r.p.m. (vea placa del motor).

MOTORENFABRIK HATZ <small>GmbH & Co. KG</small>			
D-8399 RUHSTORF/ROTT			
TYP	KENNZ		
MOTOR/FABRIK NO.		ABE/AUSE	
MIN ⁻¹	NH	PV	CM ³
HATZ			
DIESEL			
MADE IN GERMANY (FED. REP.)			

Ersatzteilliste Nr.
Spare parts list no.
Liste des pièces de rechange no.
Lista de recambios no.

- 1 D 20.10
- 1 D 30.10
- 1 D 40.10
- 1 D 60.10
- 1 D 80.10

Bitte tragen Sie hier die **Anschrift** Ihrer nächsten HATZ-Servicestelle ein.

Insert here **address** of your next HATZ Service station.

Indiquer ici l'**adresse** de votre station service HATZ la plus proche.

Insertar aquí **dirección** de servicio HATZ más cercano.

HATZ-Service

MOTORENFABRIK HATZ
GmbH & Co. KG
D - 8399 RUHSTORF a. d. ROTT
Federal Republic of Germany

Angaben bei Ersatzteilbestellungen:

Zur richtigen und schnellen Belieferung mit Ersatzteilen sind folgende Angaben erforderlich:

1. **Type, Motornummer und Drehzahl** des Motors, für den das Ersatzteil benötigt wird: siehe Angaben auf Seite 1.
2. **Nummer der Ersatzteilliste**, aus der die Bestellnummern herausgelesen wurde: siehe Seite 1.
3. **Stückzahl und Bestell-Nr.** des gewünschten Ersatzteils
4. Gewünschte **Versandart**, z.B. Post, Luftfracht, Express.
5. Genaue **Versandadresse**, wenn erforderlich mit Post- und Bahnstation.

Bestellbeispiel:

Für Motortype: 1 D 60 - 151a
Motornummer: 89109000250
min⁻¹: 3000/60

aus Ersatzteilliste: 1 D 60.10
folgende Teile:

Stück	Bestell-Nr.
2	500 526 00
8	500 812 00

per Postexpress an....

Die Ersatzteilbestellung richten Sie bitte an:

-die nächste HATZ-Servicestelle, Anschrift siehe Seite 1, oder separates Servicestellenverzeichnis

-oder an die

Motorenfabrik HATZ GmbH & Co. KG
D - 8399 Ruhstorf a. d. Rott
Federal Republic of Germany
Tel. 08531 / 319-1
Telex 57260
Telefax 08531 / 32716

Particulars for spare parts orders:

The following information is needed to ensure correct and prompt supply of spare parts:

1. **Engine type, engine number and r.p.m.** of the engine for which you need the spare part.
See particulars on page 1.
2. **Number of spare parts list** from which you took the ordering no., see page 1.
3. **Quantity and ordering no.** of requested spare part.
4. Requested **mode of dispatch**, e.g. surface/airmail, airfreight, express.
5. Exact **shipping address**, if necessary indicate local post office and/or railway station.

Example for your order:

For engine type 1 D 60 - 151a
Engine number 89109000250
R.p.m. 3000/60

Spare parts list no. 1 D 60.10

The following parts:

Qty.	ordering-no.
2	500 526 00
8	500 812 00

to be mailed, express, to...

Please address your spare parts order to:

-your nearest HATZ service station, address see page 1, or separate HATZ-service-list

-or to

Motorenfabrik HATZ GmbH & Co. KG
D - 8399 Ruhstorf a. d. Rott
Federal Republic of Germany
Tel. 08531 / 319-1
Telex 57260
Telefax 08531 / 32716

Données à indiquer lors de vos commandes de pièces détachées:

Pour nous permettre de livrer vos pièces rapidement et correctement, nous avons besoin des données suivantes:

1. **Type, No. et régime du moteur** pour lequel vous avez besoin de pièces: voir données page 1.
2. **No de la liste de pièces de rechange** dans laquelle figure le No. de commande: voir page 1.
3. **Quantité et No. de commande** de la pièce souhaitée.
4. **Mode d'expédition** souhaitée: par ex. par poste, fret aérien, exprès.
5. **Adresse exacte de destination** et, lorsque ceci est nécessaire, le nom de la poste et de la gare, ou aeroport.

Exemple:

Pour type de moteur: 1 D 60 - 151a
No. moteur: 89109000250
Régime: 3000/60
Liste de pièces de rechange: 1 D 60.10
Les pièces suivantes:
Qté. No. commande
2 500 526 00
8 500 812 00
par poste exprès à...

Les commandes de pièces détachées sont à adresser à:

-votre station-service HATZ la plus proche, voir adresse page 1, ou liste en service séparée.

-ou

Motorenfabrik HATZ GmbH & Co. KG
D - 8399 Ruhstorf a.d. Rott
République Fédérale d'Allemagne
Tel. 08531 / 319-1
Telex 57260
Telefax 08531 / 32716

Datos para pedidos de recambios:

Para recibir sus recambios en forma rápida y correcta necesitamos las siguientes informaciones:

1. **Tipo, número del motor y revoluciones:** ver detalles en página 1.
2. **Número de la lista de recambios** de la cual se ha obtenido el número de pedido: ver página 1.
3. **Cantidad y número de pedido** del recambio deseado.
4. Tipo de **despacho deseado:** por ej. correo, fiete aereo, expreso etc.
5. **Dirección exacta**, si necesario indicar la oficina de correo, la estación ferrocarril o aeropuerto.

Ejemplo de pedido:

Para motor tipo: 1 D 60 - 151a
Número de motor: 89109000250
R.P.M. 3000/60
De la lista de recambios: 1 D 60.10
Sigüientes recambios:
Cantidad Numero de pedido
2 500 526 00
8 500 812 00
Por correo expreso a...

El pedido de recambios favor dirigirlo a:

-Al servicio HATZ más cercano, dirección verla en página 1, o en el índice separado de direcciones de servicio.

-Alternativa a:

Motorenfabrik HATZ GmbH & Co. KG
D - 8399 Ruhstorf a. d. Rott
República Federal de Alemania
Tel. 08531 / 319-1
Telex 57260
Telefax 08531 / 32716

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M00 Ersatzteilsätze
Spare part kits
Jeux de pièces de rechange
Juegos de piezas de recambios

M34 Zubehör
Accessories
Accessoires
Accesorios

Tafel Nr.
Tabl. No.
01

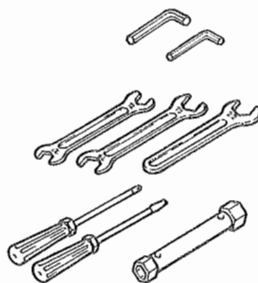
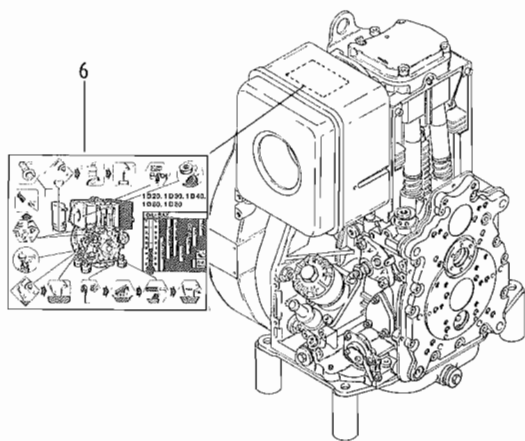
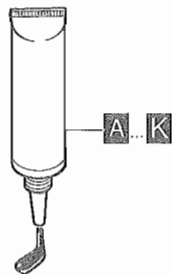
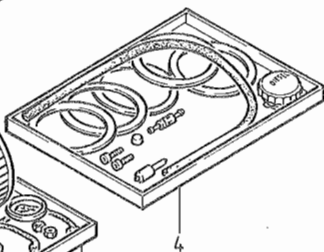
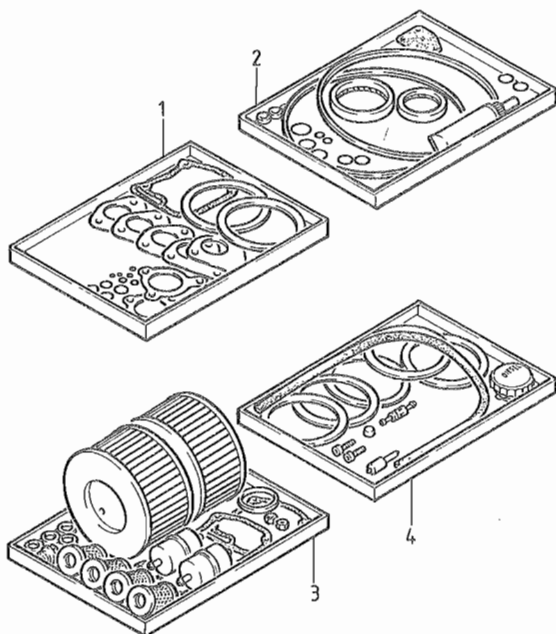


Fig.- No.	HATZ Ident-No.	Stück Qty.	1D20	1D30	1D60	1D80	1D40	P / W d / D	Bemerkungen Notes
W: Im Wartungssatz enthalten. Incl. in maintenance kit. Contenu dans le jeu d'entretien. Incluido en el juego de mantenimiento.									P: Im Pannensatz enthalten. Incl. in emergency kit. Contenu dans le jeu secours. Incluido en el juego para averias.
d: Im Dichtungssatz f. 1 Zyl.-K. enth. Incl. in gasket set f. 1 cyl. head. Contenu dans le jeu de joint p. 1 culasse. Incluido en el juego de juntas p. 1 culata.									D: Im Dichtungssatz Kurbelgeh. Incl. in gasket set crankcase. Contenu dans le jeu de joints carter moteur. Incluido en el juego de juntas caja cigueñal.
									1: Anzahl pro Satz - Qty. per kit Quantite par jeu Cantidad por juego
1	01279600	1	-	-	-	-	-	P1	Dichtungssatz für 1 Zylinderkopf
1	01279700	-	1	-	-	-	-	P1	Gasket set for 1 cyl. head
1	01264200	-	-	1	-	-	-	P1	Jeu de joint p. 1 culasse
1	01249200	-	-	-	-	1	-	P1	Juego de juntas para 1 culata
2	01279800	1	1	-	-	-	-		Dichtungssatz für Kurbelgehäuse
2	01249310	-	-	1	1	-	-		Gasket set for crankcase Jeu de joints p. carter moteur Juego de juntas para caja cigueñal
3	01279900	1	1	-	-	-	-		Wartungssatz für 1000 h
3	01249400	-	-	1	1	-	-		1000 hours maintenance kit Kit d'entretien 1000 heures - Juego de piezas para servicio 1000 horas
4	01280000	1	-	-	-	-	-		Pannensatz - Emergency kit
4	01280100	-	1	-	-	-	-		Kit de secours - Juego para averias
4	01264300	-	-	1	-	-	-		
4	01249500	-	-	-	1	-	-		
5	01247500	1	1	1	1	1	1		Zubehörsatz - Accessoires kit Sort. accessoires Juego de accesorios
6	04048300	1	1	1	1	1	1		

Dicht- und Klebstoffe Sealing- and bonding adhesives		Etanchéifiant et Colle Materias para empaquetar y pegar	
A = 502 230 00	Loctite Activator N	165 ml	} s. Hinweis auf den einzelnen Bildtafeln as specified in the individual tables suivant les remarques sur les tableau correspondant según las indicaciones de las tablas correspondientes
B = 502 231 00	Loctite 573	50 ml	
C = 502 232 00	Loctite 601	50 ml	
D = 502 233 00	Loctite 221	50 ml	
E = 502 234 00	Loctite 648	10 ml	
F = 502 238 00	Technicoll 8058	0,75 kg	
+ 502 239 00	Technicoll 8366	0,75 kg	
G = 502 565 01	Loctite IS 407	20 ml	
H = 502 825 01	Silicon	30 ml	
J = 502 830 00	Hochtemp. Paste	100 g	
K = 503 426 00	Hochtemp. Fett	100 g	

M01

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigüeñal

Tafel Nr.
Tabl. No.

02

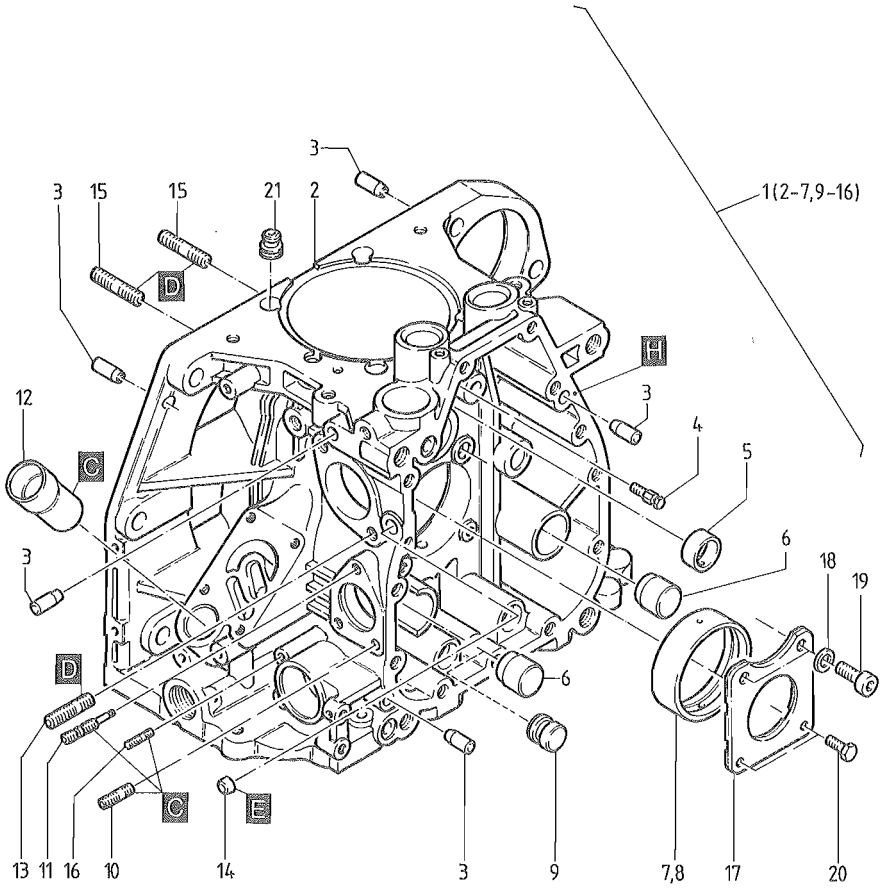


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	01270200	1	1	-	-		
1	01249010	-	-	1	1		
2	-----	-	-	-	-		
3	50249100	4	4	4	4		
4	04022601	1	1	-	-		
4	03793900	-	-	1	1		
4	04052400	1	1	1	1		"T-U"
5	03793800	1	1	1	1		
6	04022700	1...2	1...2	-	-		Ø 25 mm
6	03794000	-	-	1...2	1...2		Ø 22 mm
7	04022500	1	1	-	-		
7	03793700	-	-	1	1		
8	04048800	1	1	-	-		- 0,5 mm
8	04033700	-	-	1	1		- 0,5 mm
9	04023600	0...1	0...1	-	-		Ø 25 mm
9	04000800	-	-	0...1	0...1		Ø 22 mm
10	50144300	2	2	2	2		M 6 X 16 DIN 835-A3C
11	03794500	1	1	1	1		
12	03794800	1	1	1	1		
13	50098300	2	2	2	2		M 8 X 20 DIN 835-8.8 A3C
14	50325500	1	1	1	1		10 DIN 443-St
15	50037600	8	8	8	8		M 8 X 20 DIN 835-10.9
16	50328200	3	3	3	3		M 6 X 22 DIN 835-8.8 A3C
17	04011610	1	1	1	1		
18	03766300	1	1	1	1		"S-Z" 8,4 X 17 X 1,5
19	50381000	2	2	2	2		"S-Z" M 8 X 25 DIN 912-8.8 TUF
20	50380900	2	2	2	2		M 6 X 16 DIN 933-8.8 TUF
21	50384600	-	-	4	4		

M01

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigueñal

Tafel Nr.
Tabl. No.

03

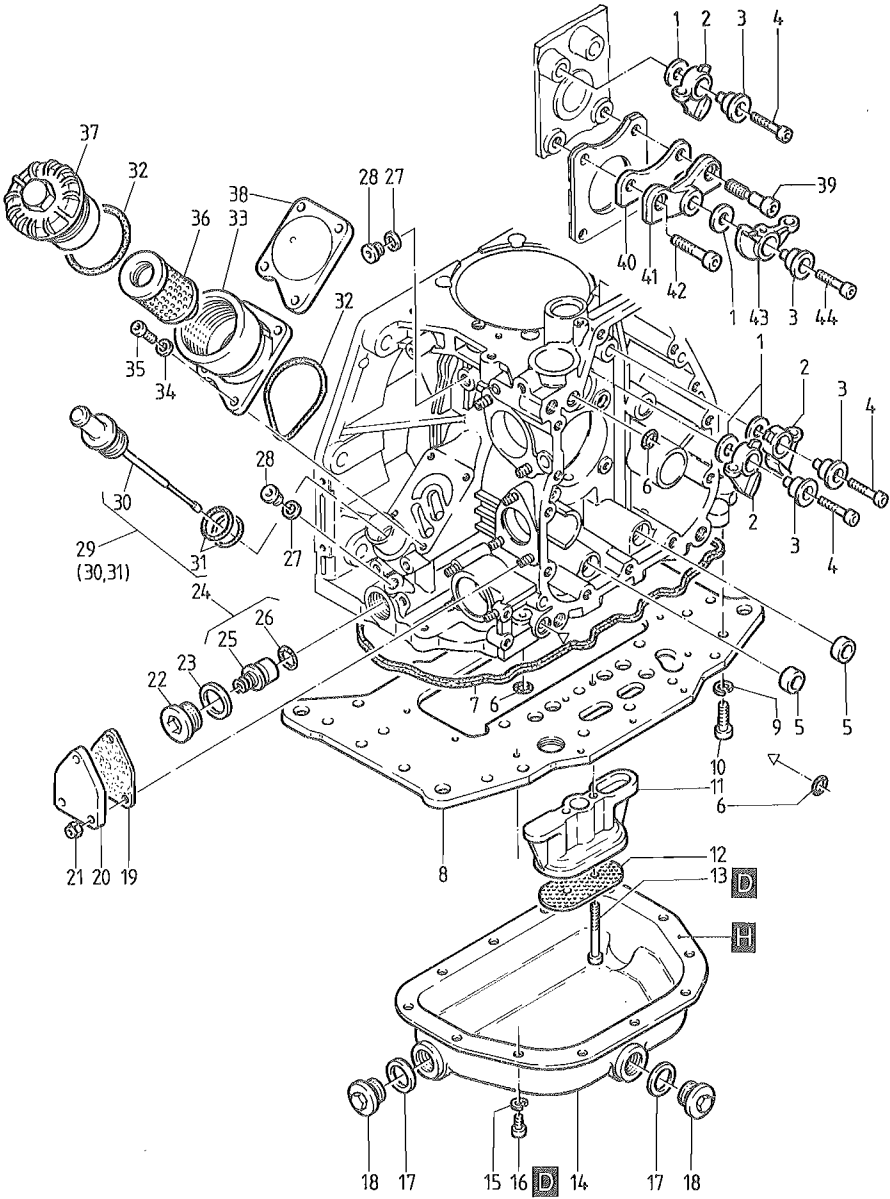


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	03794100	2	2	2	2		
2	03794300	2	2	2	2		("T-U" = 1)
3	03794200	2	2	2	2		
4	50051000	2	2	2	2		M 6 X 30 DIN 912-8.8 ("T-U"=1)
5	03795800	2	2	2	2	D1	12 X 18,3 X 7,3
6	50329000	3	3	3	3	D3	9,5 X 2,5
7	03795100	1	1	1	1	D1	265 X 269,4 X 3,6
8	01270300	1	1	-	-		
8	01248800	-	-	1	1		
9	50347300	22	22	22	22	8	DIN 7980 A3C
10	50171500	22	22	22	22	M 8 X 25	DIN 912-8.8 A3C
11	04023300	1	1	-	-		
11	03794900	-	-	1	1		
12	03795000	1	1	1	1		
13	50051100	2	2	-	-	M 6 X 30	DIN 6912-8.8
13	50327100	-	-	2	2	M 6 X 50	DIN 6912-8.8
14	01255410	1	1	-	-		
14	01241700	-	-	1	1		
15	50170900	12	12	12	12	6	DIN 128 A3C
16	50329100	12	12	12	12	M 6 X 10	DIN 912-8.8
17	50001600	2	2	2	2	D2,W4	A 22 X 27 DIN 7603-Cu
18	50373100	2	2	2	2	W1	AM 22 X 1,5
19	03794600	1	1	1	1	D1	
20	03794700	1	1	1	1		
21	50328300	3	3	3	3	VM6	DIN 980-8 A3C
22	04011100	1	1	1	1	M 24 X 1,5	
23	50286400	1	1	1	1	D1	A 24 X 29 DIN 7603-Cu
24	00328801	1	1	1	1		
25	-----	-	-	-	-		
26	50224500	1	1	1	1	D1	13,3 X 2,4
27	50062400	2	2	2	2	D2	A 10 X 13,5 DIN 7603-Cu
28	50062300	2	2	2	2	M 10 X 1	DIN 908-5.8 A3C

M01

Kurbelgehäuse
Crankcase
Carter moteur
Caja cigüeñal

Tafel Nr.
Tabl. No.

03

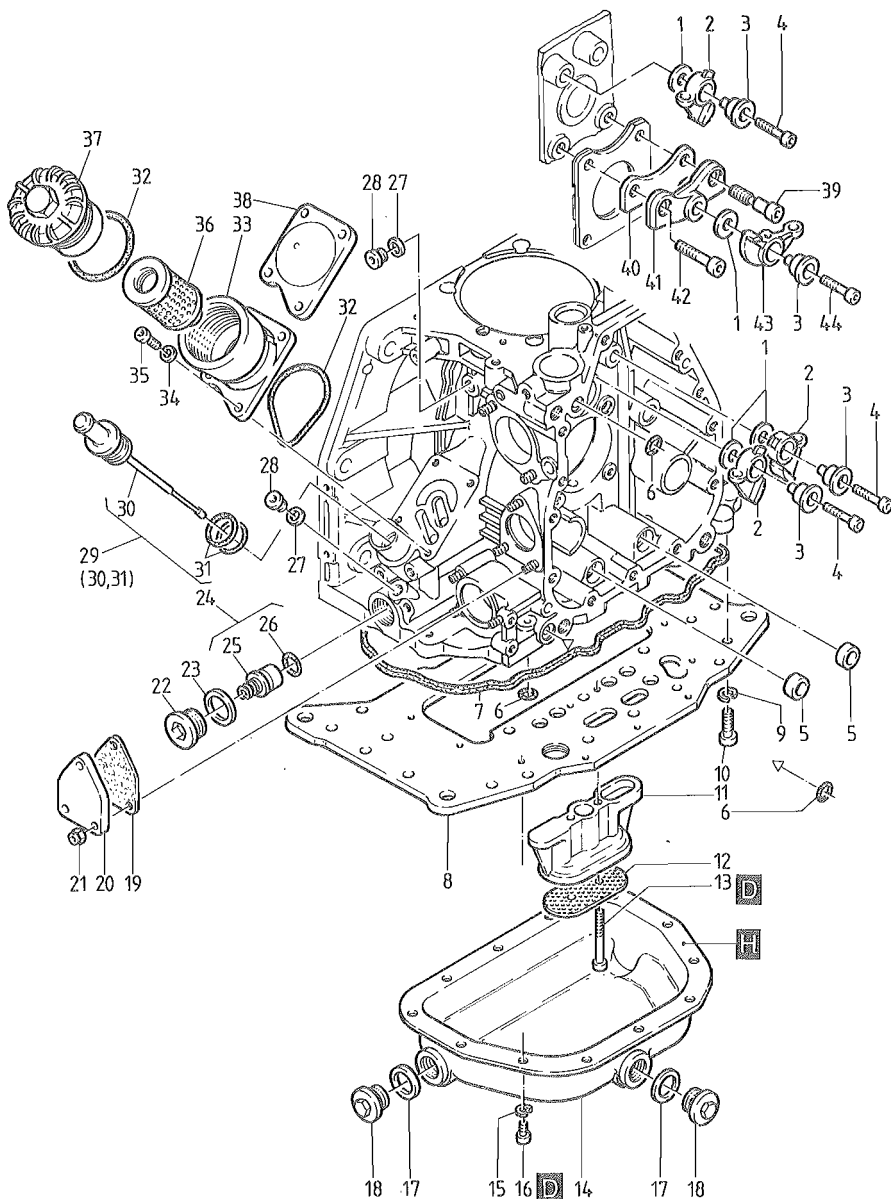


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
29	01255200	1	1	-	-		
29	01241500	-	-	1	1		
30	-----	-	-	-	-		
31	50359700	2	2	2	2	D2	20,29 X 2,62
32	50329200	2	2	2	2	D2,W1	50 X 55 X 3
33	03795600	1	1	1	1		
34	50081200	4	4	4	4		A 6 DIN 137 A3C
35	50170600	4	4	4	4		M 6 X 20 DIN 912-8.8 A3C
36	03795700	1	1	1	1	W4	
37	01248900	1	1	1	1		
38	04033400	1	1	1	1		
39	04053200	1	1	-	-		"T-U"
39	04052100	-	-	1	1		"T-U"
40	04036910	1	1	-	-		"T-U"
41	04024210	1	1	1	1		"T-U"
42	50381100	2	2	2	2		"T-U" M 8 X 35 DIN 912-8.8
43	04024300	1	1	1	1		"T-U"
44	50170800	1	1	1	1		"T-U" M 6 X 25 DIN 912-8.8

M02 Kurbelwelle
Crankshaft
Vilebrequin
Cigueñal

M03 Lagerflansch
Bearing flange
Palier
Brida de cojinete

Tafel Nr.
Tabl. No.
04

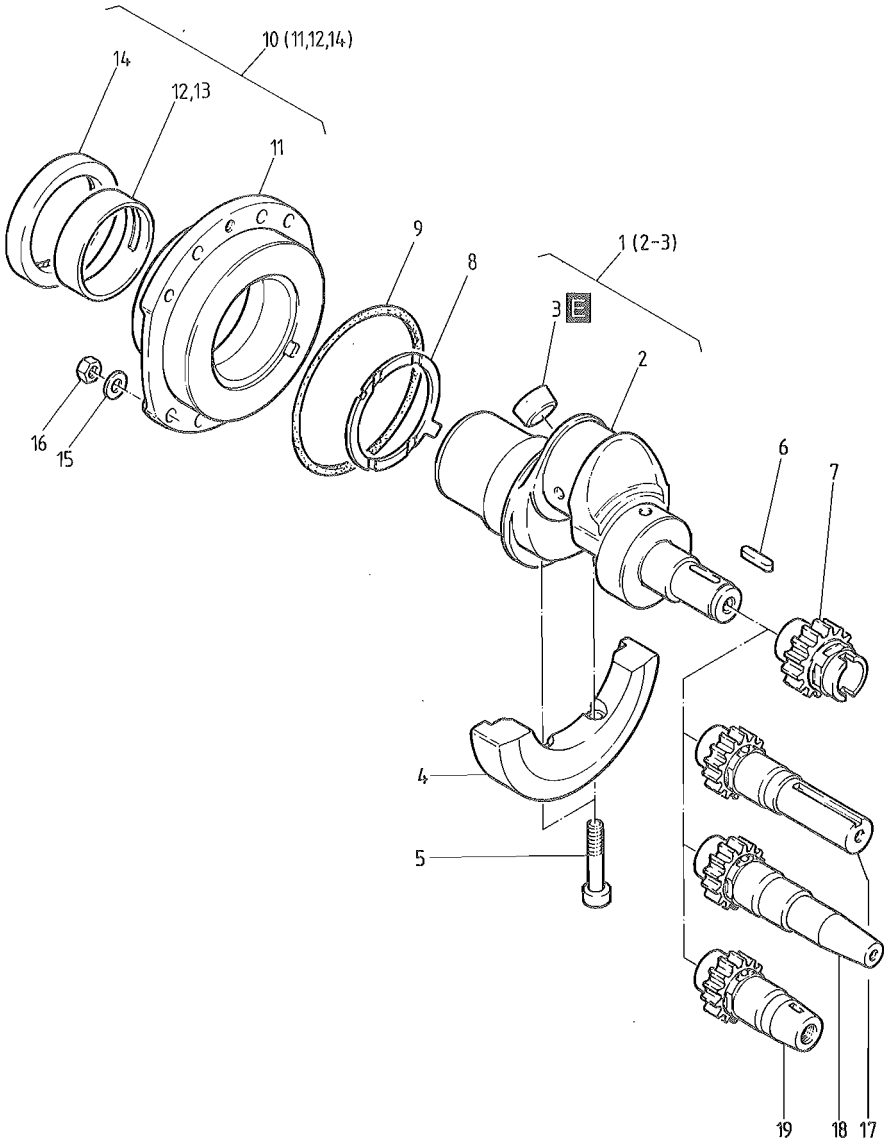


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	01269900	1	1	-	-		
1	01269810	-	-	1	1		
2	-----	-	-	-	-		
3	50345800	1	1	-	-	22	DIN 443
3	50087200	-	-	1	1	28	DIN 443
4	04023500	1	1	-	-		
4	03796000	-	-	1	1		
5	50127900	2	2	-	-	M 8 X 40	DIN 912-10.9
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	03796110	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
10	01257300	1	1	-	-		
10	01253200	-	-	1	1		
11	-----	-	-	-	-		
12	04024500	1	1	-	-		
12	04006800	-	-	1	1		
13	04048700	1	1	-	-	- 0,5 mm	
13	04036100	-	-	1	1	- 0,5 mm	
14	50368100	1	1	-	-	D1	52 X 80 X 10
14	50362700	-	-	1	1	D1	62 X 90 X 10
15	50148100	8	8	8	8	8,4	DIN 125-St A3C
16	50364300	8	8	8	8	M 8	DIN 934-10 A3C
17	04023110	1	1	1	1	SAE	
18	04023010	1	1	1	1	SAE	
19	04022910	1	1	1	1	ITALIA	

M04

Nockenwelle, Massenausgleich
Camshaft, compensation of masses
Arbre à cames, équilibrage
Árbol de levas, compensación de las masas

Tafel Nr.
Tabl. No.

05

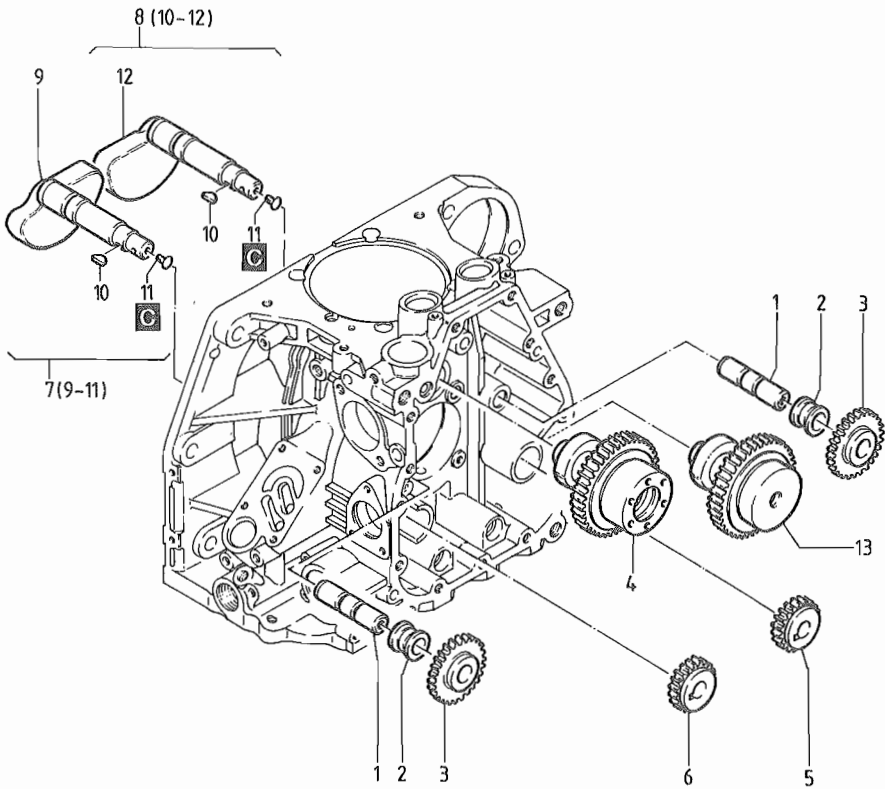


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
1	03796400	2	2	2	2		"Z-U"
2	03796500	2	2	2	2		"Z-U"
3	01242000	2	2	2	2		"Z-U"
4	04024000	1	1	-	-		"S-Z"
4	03797010	-	-	1	1		"S-Z"
5	03796800	1	1	1	1		"Z-U"
6	03796900	1	1	1	1		"Z-U"
7	01270000	1	1	-	-		"Z-U"
7	01267300	-	-	1	1		"Z-U"
8	01270100	1	1	-	-		"Z-U"
8	01267200	-	-	1	1		"Z-U"
9	-----	-	-	-	-		"Z-U"
10	50324900	1	1	1	1		"Z-U"
11	-----	-	-	-	-		"Z-U"
12	-----	-	-	-	-		"Z-U"
13	04037000	1	1	-	-		"T-U"
13	04022200	-	-	1	1		"T-U"

M05

Kolben, Pleuel
Piston, conrod
Piston, bielle
Embolo, biela

M06

Zylinder
Cylinder
Cylindre
Cilindro

Tafel Nr.
Tabl. No.

06

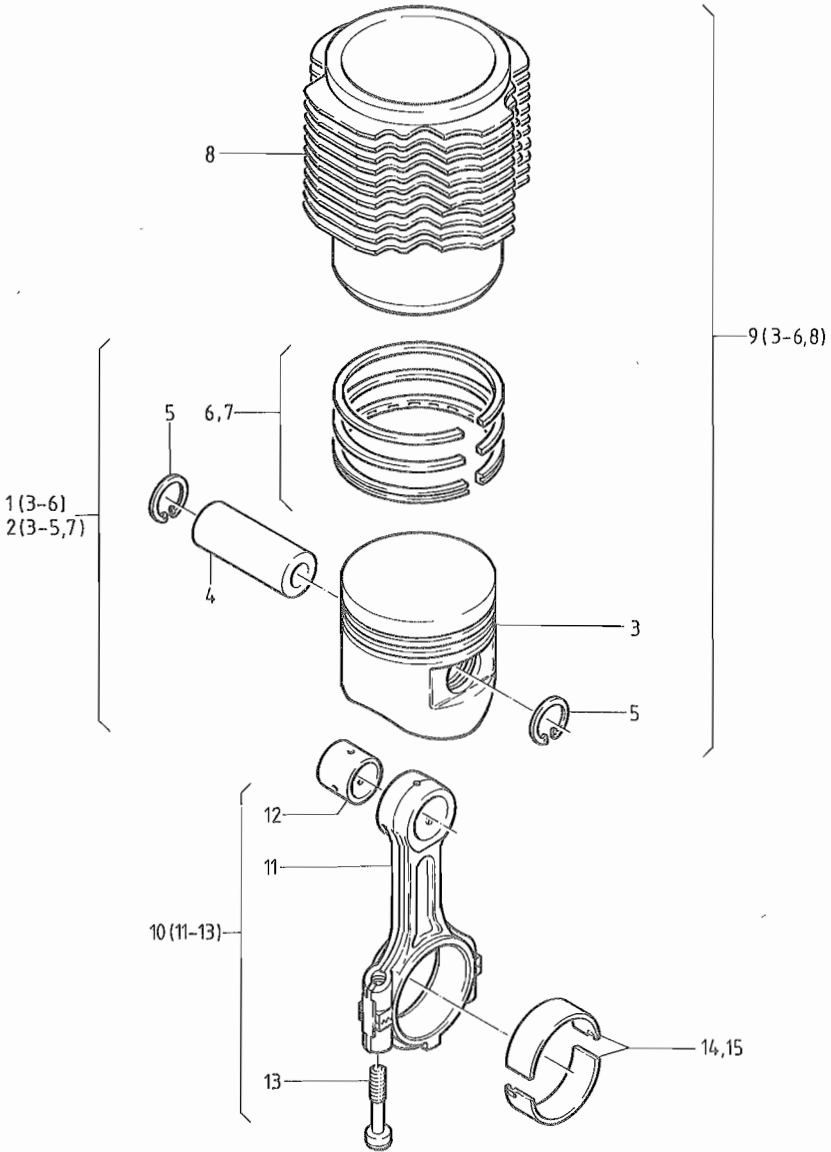


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1		1	-	-	-		
1	01258500	-	1	-	-		
1	01273700	-	-	1	-		
1	01243900	-	-	-	1		
2		1	-	-	-		+ 0,5 mm
2		1	-	-	-		+ 1,0 mm
2	01264900	-	1	-	-		+ 0,5 mm
2	01269400	-	1	-	-		+ 1,0 mm
2	01273900	-	-	1	-		+ 0,5 mm
2	01274100	-	-	1	-		+ 1,0 mm
2	01265100	-	-	-	1		+ 0,5 mm
2	01265200	-	-	-	1		+ 1,0 mm
3	-----	-	-	-	-		
4		1	-	-	-		
4	50363200	-	1	-	-		25 X 13 X 62
4	50382400	-	-	1	-		30 X 17 X 62
4	50353600	-	-	-	1		30 X 17 X 75
5		2					
5	50381200	-	2	-	-		A 25 DIN 73130
5	50020800	-	-	2	2		J 30 X 1,2 DIN 472
6		1	-	-	-		
6	01258600	-	1	-	-		
6	01223700	-	-	1	-		
6	01247300	-	-	-	1		
7		1	-	-	-		+ 0,5 mm
7		1	-	-	-		+ 1,0 mm
7	01267800	-	1	-	-		+ 0,5 mm
7	01273600	-	1	-	-		+ 1,0 mm
7	01235600	-	-	1	-		+ 0,5 mm
7	01227200	-	-	1	-		+ 1,0 mm
7	01264500	-	-	-	1		+ 0,5 mm
7	01265000	-	-	-	1		+ 1,0 mm

M05

Kolben, Pleuel
Piston, conrod
Piston, bielle
Embolo, biela

M06

Zylinder
Cylinder
Cylindre
Cilindro

Tafel Nr.
Tabl. No.

06

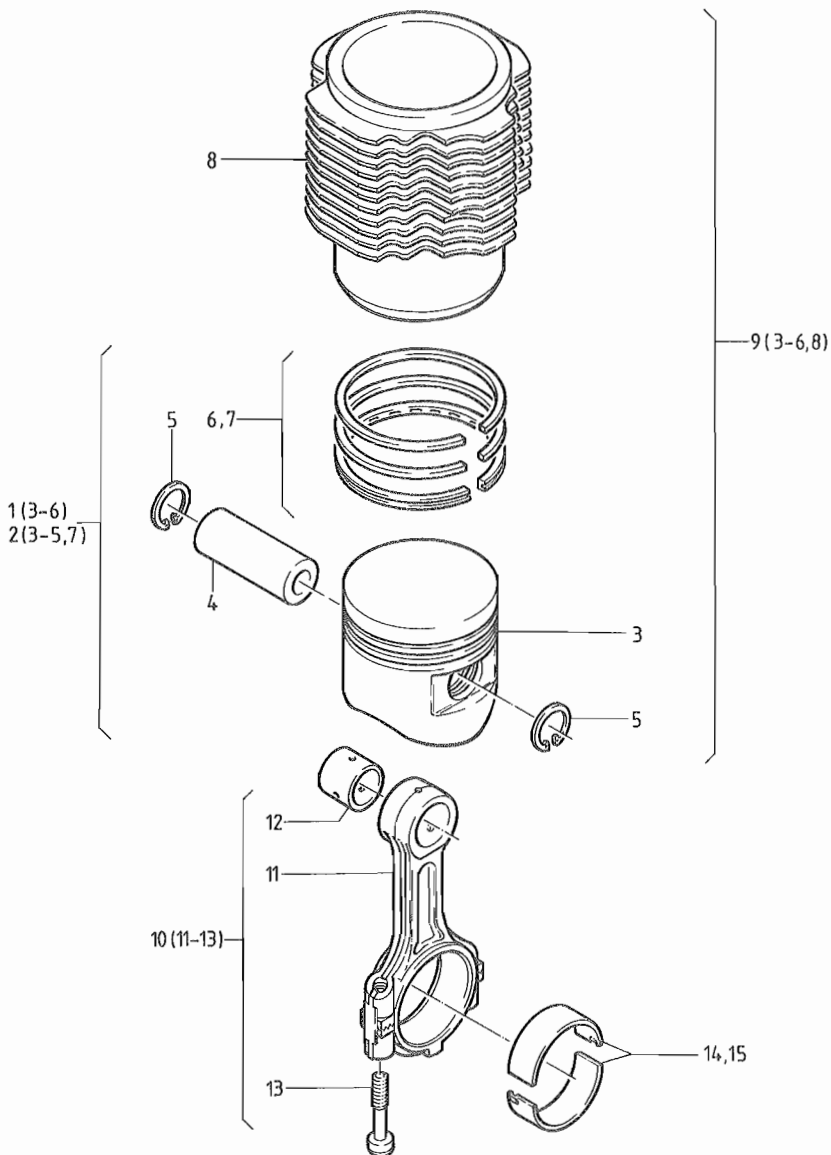


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
8	-----	-	-	-	-		
9	01280300	1	-	-	-		
9	01280400	-	1	-	-		
9	01264600	-	-	1	-		
9	01249100	-	-	-	1		
10	01258300	1	1	-	-		
10	01244000	-	-	1	1		
11	-----	-	-	-	-		
12		1	1	-	-		
12	04032200	-	-	1	1		
13	03781100	2	2	-	-		
13	04001800	-	-	2	2		
14	04026500	1	1	-	-		
14	04001900	-	-	1	1		
15		1	1	-	-		- 0,5 mm
15	04033100	-	-	1	1		- 0,5 mm

M07

Zylinderkopf
Cylinder head
Culasse
Culata

Tafel Nr.
Tabl. No.

07

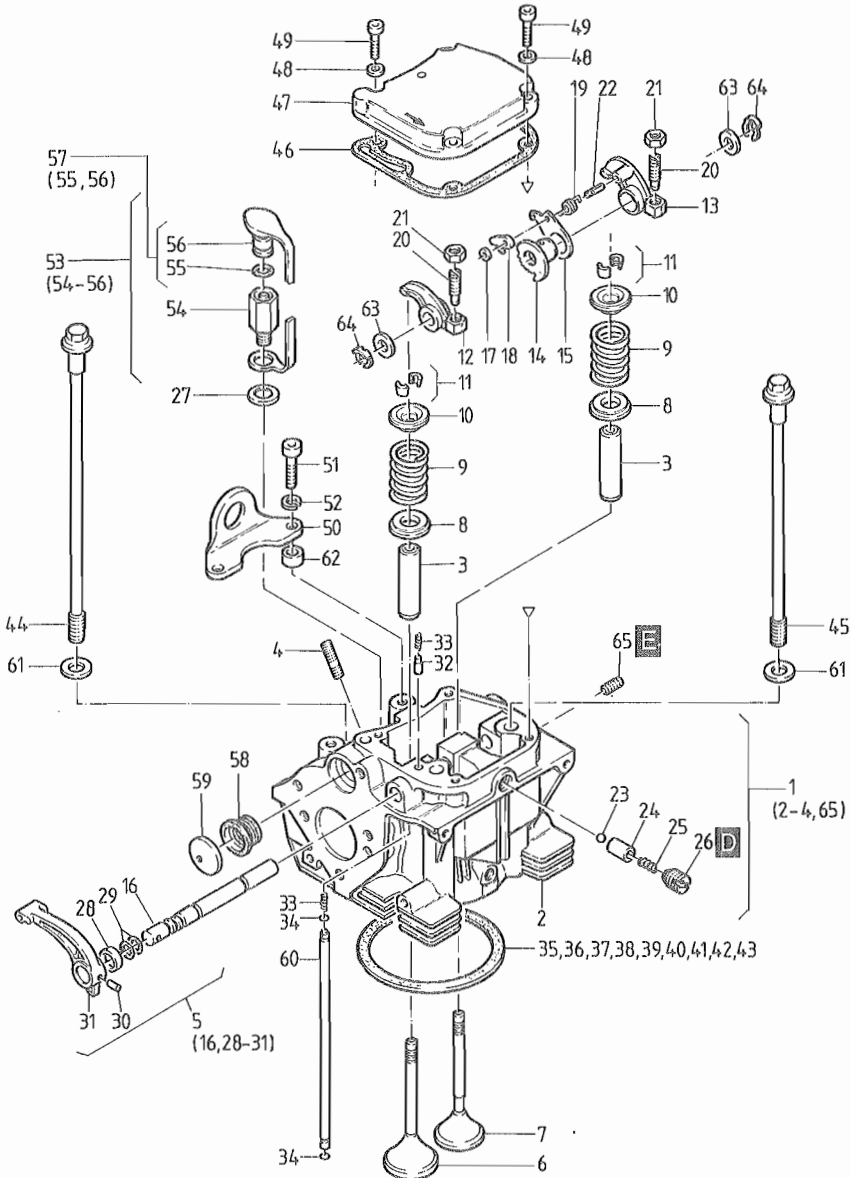


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	01272500	1	-	-	-		
1	01272400	-	1	-	-		
1	01264700	-	-	1	-		
1	01264800	-	-	-	1		
2	-----	-	-	-	-		
3	04028700	2	2	-	-		
3	04008700	-	-	2	2		
4	50279200	1	1	-	-	M 8 X 40	DIN 835-8.8 A3C
4	50038400	-	-	1	1	M 8 X 35	DIN 835-8.8 A3C
5	01265400	1	1	-	-		
5	01257500	-	-	1	1		
6	04034300	1	-	-	-		
6	04028900	-	1	-	-		
6	04024901	-	-	1	-		
6	04005001	-	-	-	1		
7	04034400	1	-	-	-		
7	04029000	-	1	-	-		
7	04025001	-	-	1	-		
7	04005101	-	-	-	1		
8	04029100	2	2	-	-		
8	04005200	-	-	2	2		
9	04029300	2	2	-	-		
9	04005300	-	-	2	2		
10	04029200	2	2	-	-		
10	04005400	-	-	2	2		
11	03171910	2	2	-	-		
11	03786300	-	-	2	2		
12	04003700	1	1	1	1		
13	04003810	1	1	1	1		
14	04003911	1	1	1	1		
15	03778401	1	1	1	1		
16	-----	-	-	-	-		
17	50117200	1	1	1	1		
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	04021900	1	1	1	1		

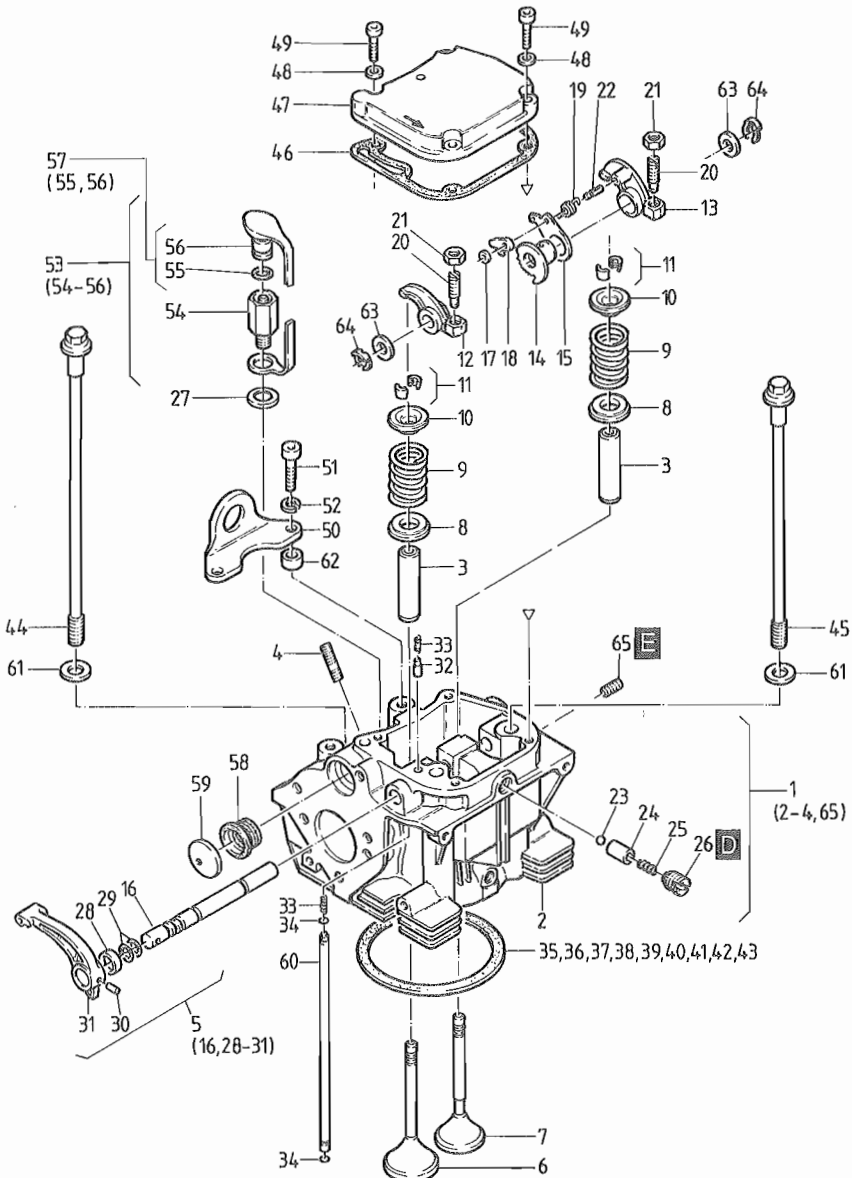


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
23	50123800	1	1	1	1		7 mm III DIN 5401
24	04004700	1	1	1	1		
25	04004800	1	1	1	1		
26	01245200	1	1	1	1		
27	50001100	1	1	1	1	d1	A 12 X 15,5 DIN 7603-Cu
28	04048900	1	1	1	1	d1	
29	50346700	2	2	2	2	d2	7,5 X 2,5
30	50248600	1	1	1	1		4 X 20 DIN 7343
31	04009810	1	1	1	1		
32	04004100	-	-	1	1		
33	04004200	1	1	2	2		
34	50330100	2	2	2	2	d2	4 X 1,2
35	04034800	0...1	-	-	-		0,5 mm
35	04027300	-	0...1	-	-		0,5 mm
36	04034900	0...1	-	-	-		0,6 mm
36	04027400	-	0...1	-	-		0,6 mm
36	04053400	-	-	0...1	-		0,6 mm
36	04036800	-	-	-	0...1		0,6 mm
37	04035000	0...1	-	-	-		0,7 mm
37	04027500	-	0...1	-	-		0,7 mm
37	04036300	-	-	0...1	-		0,7 mm
37	04036500	-	-	-	0...1		0,7 mm
38	04035100	0...1	-	-	-		0,8 mm
38	04027600	-	0...1	-	-		0,8 mm
38	04036400	-	-	0...1	-		0,8 mm
38	04036600	-	-	-	0...1		0,8 mm
39	04035200	0...1	-	-	-		0,9 mm
39	04027700	-	0...1	-	-		0,9 mm
39	04025100	-	-	0...1	-		0,9 mm
39	04002700	-	-	-	0...1		0,9 mm
40	04035300	0...1	-	-	-	d1	1,0 mm
40	04027800	-	0...1	-	-	d1	1,0 mm
40	04025200	-	-	0...1	-	d1	1,0 mm
40	04002800	-	-	-	0...1	d1	1,0 mm
41	04035400	0...1	-	-	-		1,1 mm
41	04027900	-	0...1	-	-		1,1 mm
41	04025300	-	-	0...1	-		1,1 mm
41	04002900	-	-	-	0...1		1,1 mm

M07

Zylinderkopf
Cylinder head
Culasse
Culata

Tafel Nr.
Tabl. No.

07

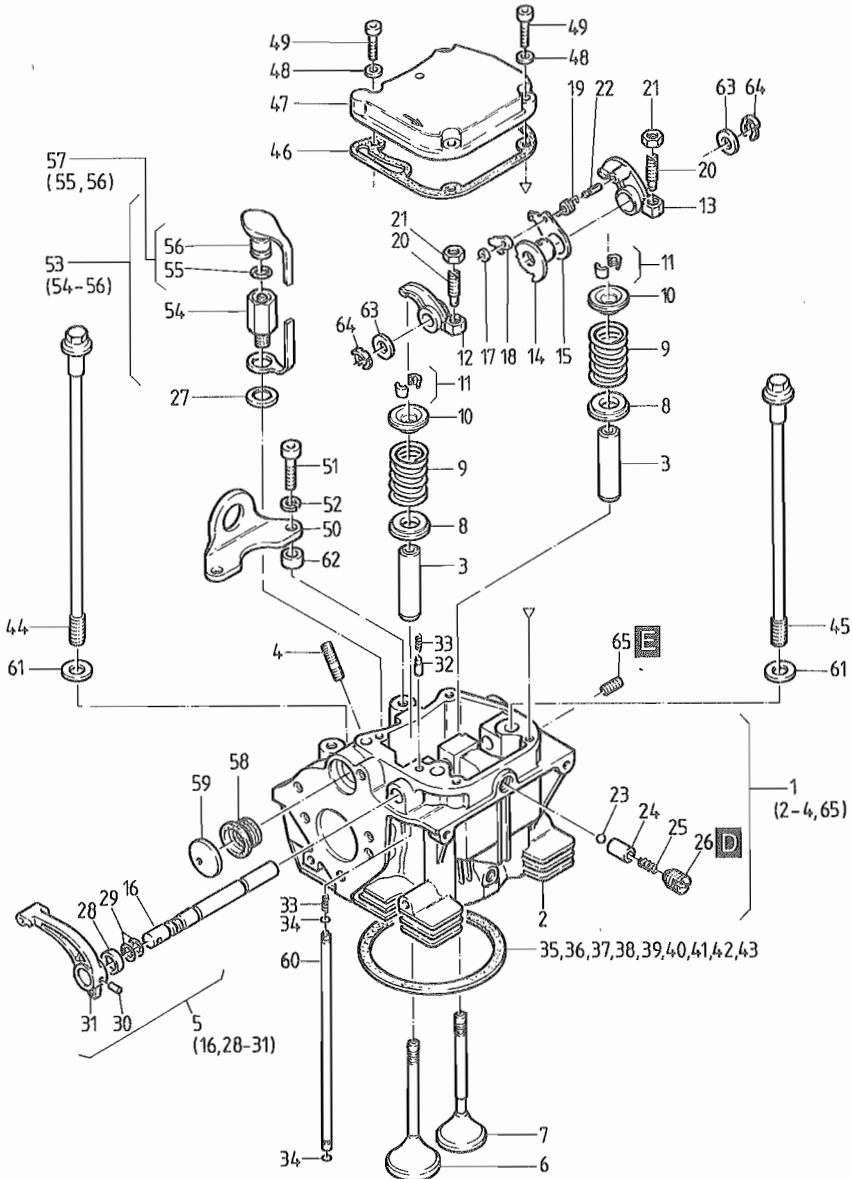


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
42	04035500	0...1	-	-	-	d1	1,2 mm
42	04028000	-	0...1	-	-	d1	1,2 mm
42	04025400	-	-	0...1	-	d1	1,2 mm
42	04003000	-	-	-	0...1	d1	1,2 mm
43	04035600	0...1	-	-	-		1,3 mm
43	04028100	-	0...1	-	-		1,3 mm
43	04025500	-	-	0...1	-		1,3 mm
43	04003100	-	-	-	0...1		1,3 mm
44	04028600	2	2	-	-		251,5 mm
44	04003200	-	-	2	2		305 mm
45	04028500	2	2	-	-		174 mm
45	04003300	-	-	2	2		258 mm
46	04006101	1	1	1	1	d1,W3	
47	01260202	1	1	-	-		
47	01245401	-	-	1	1		
48	50081200	4	4	4	4	P4	A 6 DIN 137 A3C
49	50170800	4	4	4	4	P2	M 6 X 25 DIN 912-8.8
50	04008100	1	1	1	1		
51	50175900	2	2	-	-		M 8 X 30 DIN 912-8.8 A3C
51	50366300	-	-	2	2		M 8 X 20 DIN 912-8.8 A3C
52	50208500	2	2	2	2		8 DIN 128 A3C
53	00361801	1	1	1	1		
54	-----	-	-	-	-		
55	40081700	2	2	2	2	d2	12 X 2
56	-----	-	-	-	-		
57	00736300	1	1	1	1	P1	
58	03568700	1	1	1	1		
59	04005600	1	1	1	1		
60	04029500	1	1	-	-		
60	04005700	-	-	1	1		
61	03794100	4	4	-	-		10,1 X 22 X 3
61	03457500	-	-	4	4		12,5 X 24 X 2,5
62	04008000	1	1	-	-		
63	03457500	2	2	-	-		12,5 X 24 X 2,5
64	50353300	2	2	-	-		
65	50366800	1	1	-	-		M 6 X 12 DIN 835-8.8 A3C

M09

Stoßstangen
Pushrod
Tige de culbuteur
Varilla de balancín

M17

Schwungrad
Flywheel
Volant
Volante

Tafel Nr.
Tabl. No.
08

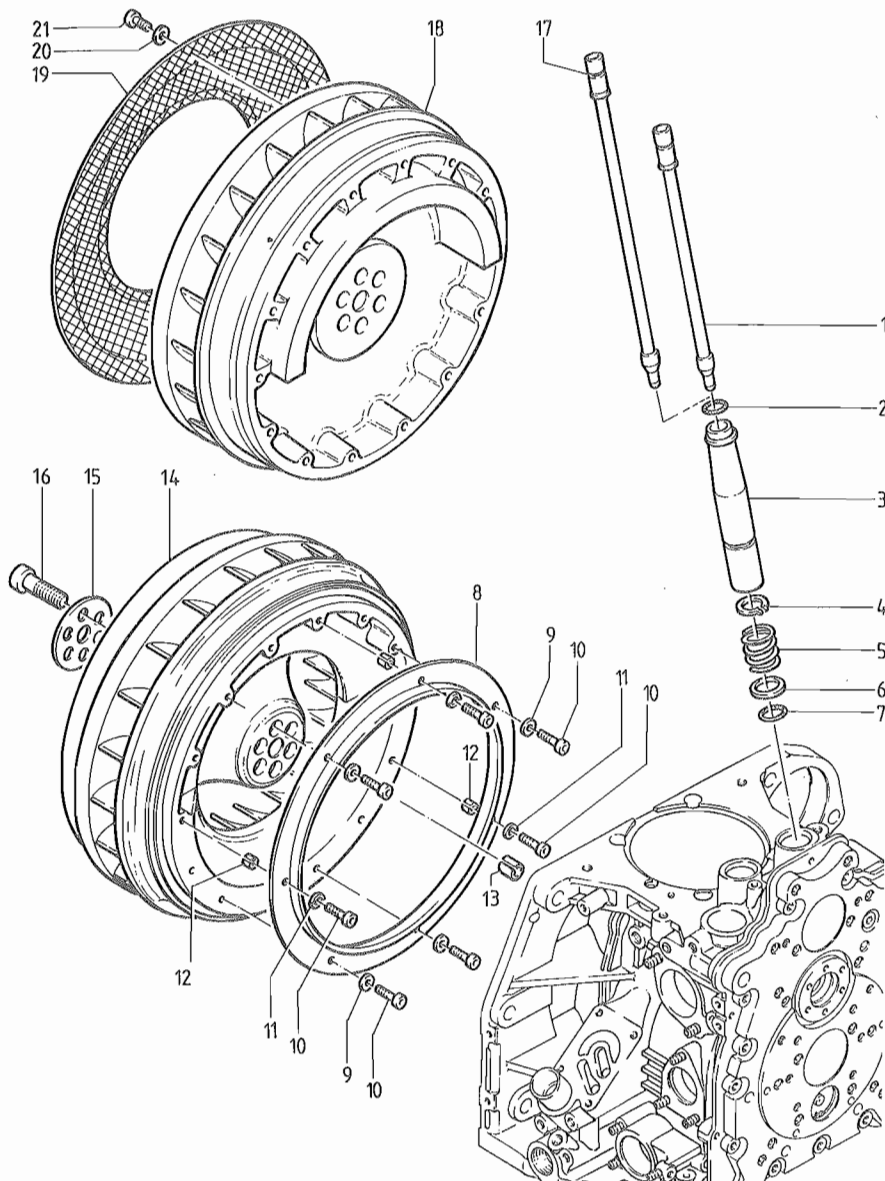


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80 1D40		
1	01259300	2	2	-	-		"T-U"=1
1	01244300	-	-	2	2		"T-U" = 1
2	50330200	2	2	2	2	d2	19 X 3
3	04027200	2	2	-	-		
3	04002500	-	-	2	2		
4	50347000	2	2	2	2		AS 24 X 1,75 DIN 471
5	04002600	2	2	2	2		
6	04002000	2	2	2	2		
7	50330300	2	2	2	2	d2	23 X 3
8	04030600	1	1	-	-		
8	04007500	-	-	1	1		
9	50147200	3	3	4	4		4,3 DIN 125-St -A3C
10	50327300	6	6	7	7		M 4 X 20 DIN 912-8.8 A3C
11	50002600	3	3	3	3		5 DIN 128
12	50327400	3	3	3	3		5 X 10 DIN 7346
13	04033000	1	1	-	-		
13	03123700	-	-	1	1		
14	04034710	1	-	-	-		"S-Z"
14	04026110	-	1	-	-		"S-Z"
14	04025710	-	-	1	-		"S-Z"
14	04007120	-	-	-	1		"S-Z"
15	04026600	1	1	-	-		
15	04007410	-	-	1	1		
16	50132800	6	6	-	-		M 10 X 40 DIN 912-10.9
16	50363100	-	-	6	6		M 12 X 1,5 X 40 DIN 912-10.9
17	01263600	1	1	-	-		"T-U"
17	01257700	-	-	1	1		"T-U"
18	04038110	1	-	-	-		"T-U" "ITALIA"
18	04037210	-	1	-	-		"T-U" "ITALIA"
18	04038010	-	-	1	-		"T-U" "ITALIA"
18	04024110	-	-	-	1		"T-U" "ITALIA"
19	04009300	-	-	1	1		
20	50144500	-	-	6	6		6,4 DIN 125-St A3C
21	50062700	-	-	6	6		M 6 X 10 DIN 912-8.8

M10

Ölpumpe, Regler
Oil pump, governor
Pompe à huile, regulateur
Bomba de aceite, regulador

Tafel Nr.
Tabl. No.

09

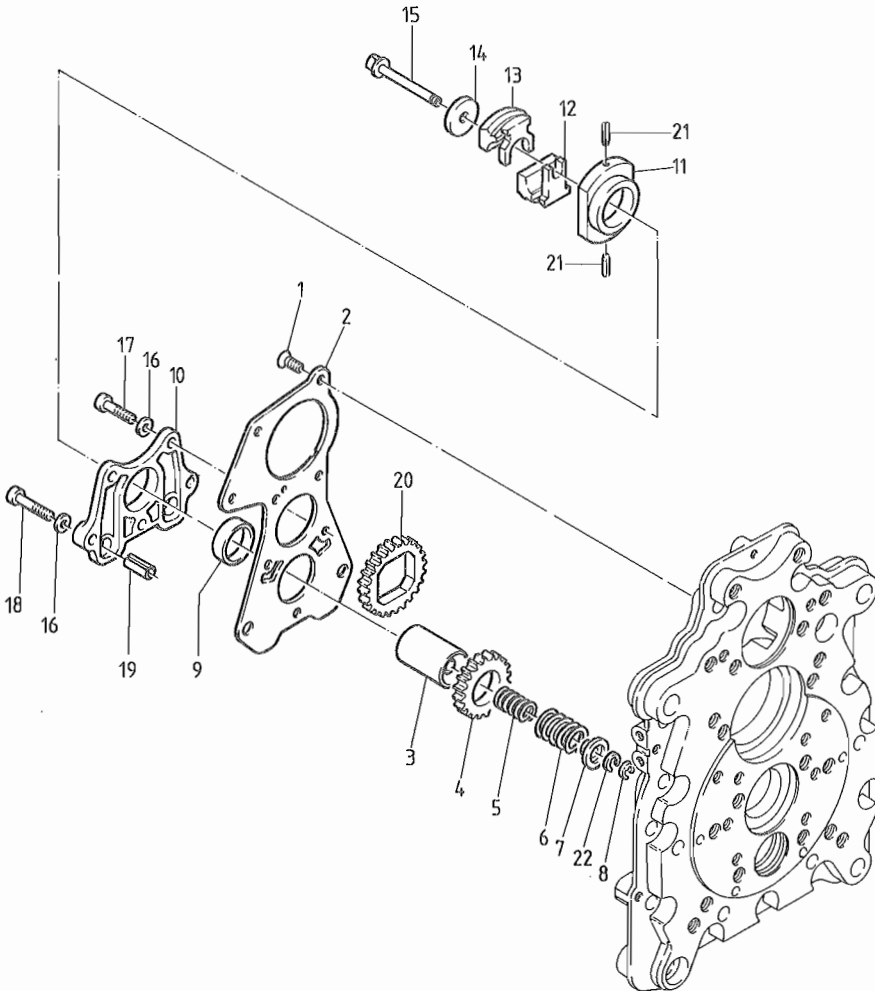


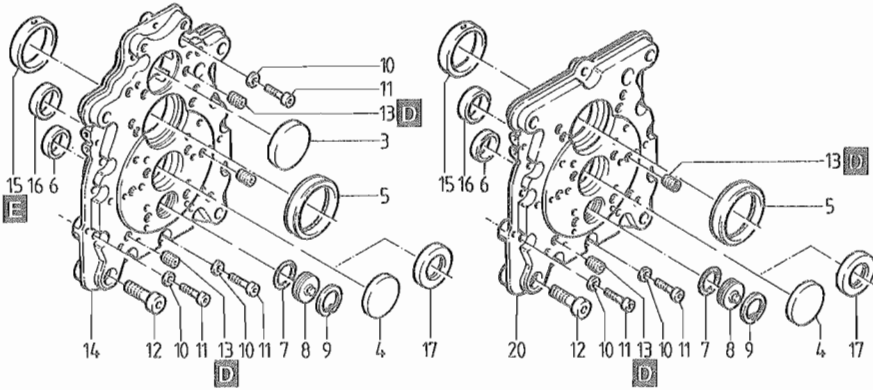
Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	50328000	5	5	5	5	AM 6 X 16 WN 17065	
2	03797411	1	1	1	1		
3	01242400	1	1	1	1		
4	03797300	1	1	1	1		
5	04052800	1	1	1	1	Ø 1,6 mm 1500 min ⁻¹ Gen.	
5	04052900	1	1	1	1	Ø 1,7 mm 1800 min ⁻¹ Gen.	
5	04008801	1	1	1	1	Ø 1,9 mm ...2300 min ⁻¹	
6	04008901	1	1	1	1	Ø 2,8 mm 2301...3000min ⁻¹	
5	04008801	1	1	1	1	Ø 1,9 mm 3001...3600min ⁻¹	
6	04008901	1	1	1	1	Ø 2,8 mm 3001...3600min ⁻¹	
7	03798600	1	1	1	1		
8	50334700	1	1	1	1	5	DIN 6799
9	03797600	1	1	1	1		
10	03797510	1	1	1	1		
11	03797701	1	1	1	1		
12	03798001	1	1	1	1		
13	03798101	1	1	1	1		
14	03797900	1	1	1	1		
15	03797801	1	1	1	1		
16	50081200	5	5	5	5	A 6	DIN 137-A3C
17	50170800	3	3	3	3	M 6 X 25	DIN 912-8.8
18	50051000	2	2	2	2	M 6 X 30	DIN 912-8.8
19	50084900	2	2	2	2	8 X 12	DIN 7346
20	03798710	1	1	1	1		
21	50260501	2	2	2	2	2 X 10	DIN 1481
22	04046000	0...3	0...3	0...3	0...3	0,5 mm	

M11

Steuerdeckel
Timing cover
Couvercle distribution
Tapa de mando

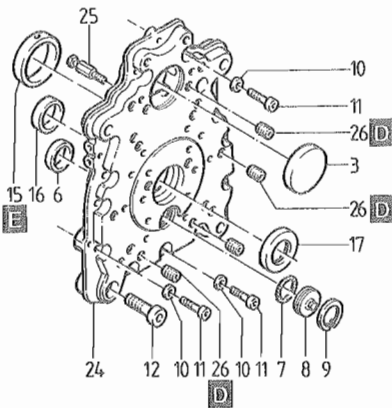
Tafel Nr.
Tabl. No.

10



1 (3-6, 13-15)
2 (3, 5-6, 13-17)

18 (4-6, 13, 15, 20)



22 (3, 6, 15-17, 24, 25, 26)

21 (6, 15-17, 23, 25, 26)

Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	01263900	-	-	1	1		"S-Z"
2	01267710	-	-	1	1		SAE - "S-Z"
3	50325600	-	-	1	1		50
4	50325700	1	1	1	1		52
5	50325810	1	1	1	1	D1	54 X 70 X 8
6	03797600	1	1	1	1		
7	50330400	1	1	1	1	D1	27 X 2
8	04000400	1	1	1	1		
9	50021000	1	1	1	1		J 32 X 1,2 DIN 472
10	50095100	12	12	13	13		A 8 DIN 137-A3C
11	50175900	12	12	13	13		M 8 X 30 DIN 912-8.8 A3C
12	50329500	1	1	1	1		M 12 X 40 DIN 6912-8.8 A3C
13	50329600	14	14	18	18		M 10 X 10 DIN 913 AL TUF
14	-----	-	-	-	-		
15	04000310	1	1	1	1		
16	04023201	1	1	1	1		
17	50364700	1	1	1	1		32 X 52 X 7
18	01272300	1	1	-	-		"S-Z"
19	-----	-	-	-	-		
20	-----	-	-	-	-		
21	01280900	1	1	-	-		"T-U" Italia
22	01281000	-	-	1	1		"T-U" Italia
23	-----	-	-	-	-		
24	-----	-	-	-	-		
25	04052400	1	1	1	1		"T-U"
26	50329600	8	8	8	8		"T-U" M10X10 DIN 913 AL TUF

M12

Startfüllung
Extra fuel device
Sucharge
Sobre aliment.-arranque

M14

Einspritzausrüstung
Injection equipment
Equipement d'injection
Equipo de inyección

Tafel Nr.
Tabl. No.
11

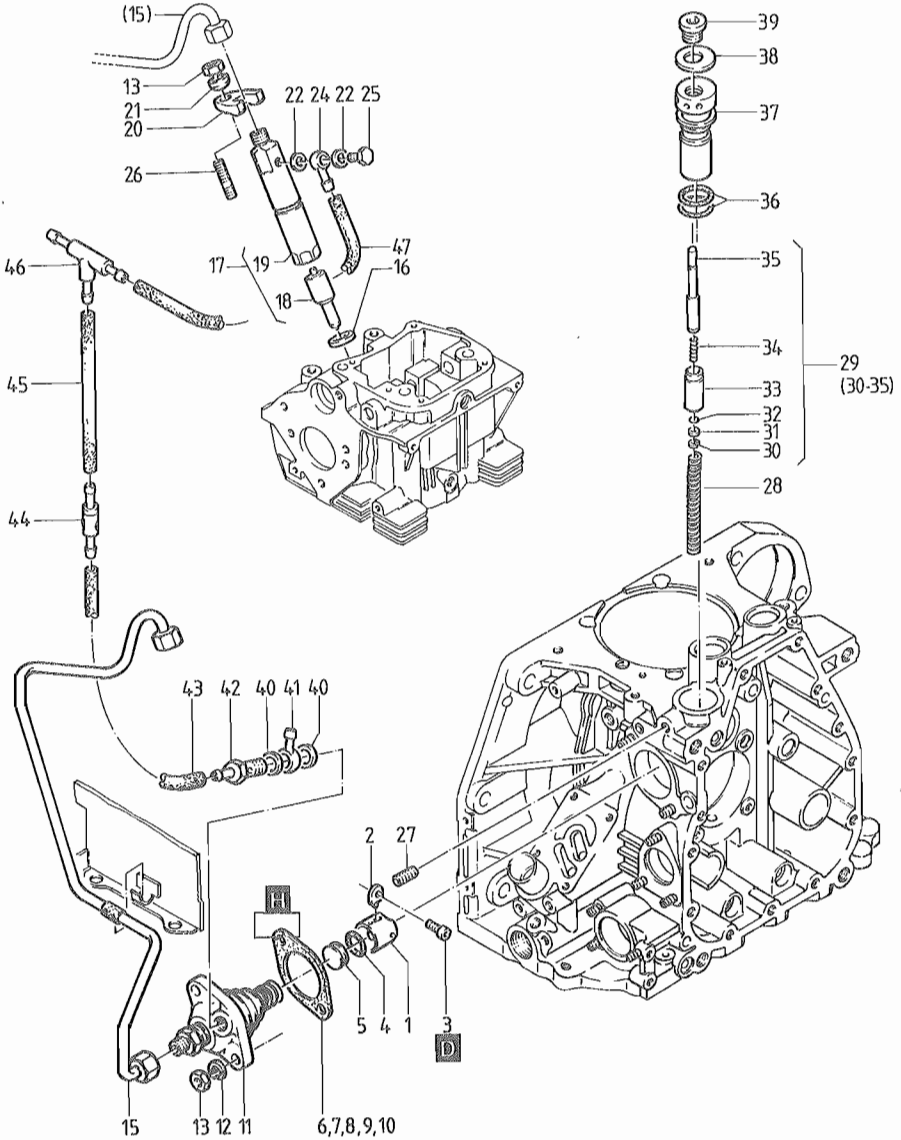


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80 1D40		
1	50331500	1	1	1	1		
2	04000900	1	1	1	1		
3	50050600	1	1	-	-		M 6 X 12 DIN 912-8.8
3	50050700	-	-	1	1		M 6 X 16 DIN 912-8.8
4	50363400	1	1	1	1		17 X 1,2
5	04011700	1	1	1	1		
6	03209400	0...1	0...1	0...1	0...1		0,10 mm
7	03209500	0...1	0...1	0...1	0...1		0,15 mm
8	03209600	0...1	0...1	0...1	0...1		0,20 mm
9	03209700	0...1	0...1	0...1	0...1		0,30 mm
10	03209800	0...1	0...1	0...1	0...1		0,50 mm
11	50383500	1	1	-	-		
11	50362400	-	-	1	1		
12	50208500	2	2	2	2		8 DIN 128 A3C
13	50148000	3	3	3	3		M 8 DIN 934-8 A3C
14	-----	-	-	-	-		
15	01268200	1	1	-	-		
15	01245710	-	-	1	1		
16	04025800	1	1	-	-	d1	
16	40085000	-	-	1	1	d1	
17		1	-	-	-		
17	50365200	-	1	-	-		
17	50383300	-	-	1	-		
17	50357100	-	-	-	1		
18		1	-	-	-	P1	
18	50383200	-	1	-	-	P1	
18	50383400	-	-	1	-	P1	
18	50362500	-	-	-	1	P1	
19	-----	-	-	-	-		
20	03792400	1	1	1	1		
21	04035700	1	1	1	1		
22	50000800	2	2	2	2	d2	A 6,5 X 9,5 DIN 7603-Cu
23	-----	-	-	-	-		
24	50333400	1	1	1	1		
25	50313000	1	1	1	1		M 6
26	50279200	1	1	-	-		M 8 X 40 DIN 835-8.8 A3C
26	50038400	-	-	1	1		M 8 X 35 DIN 835-8.8 A3C

M12

Startfüllung
Extra fuel device
Sucharge
Sobre aliment.-arranque

M14

Einspritzausrstung
Injection equipment
Equipement d'injection
Equipo de inyeccin

Tafel Nr.
Tabl. No.

11

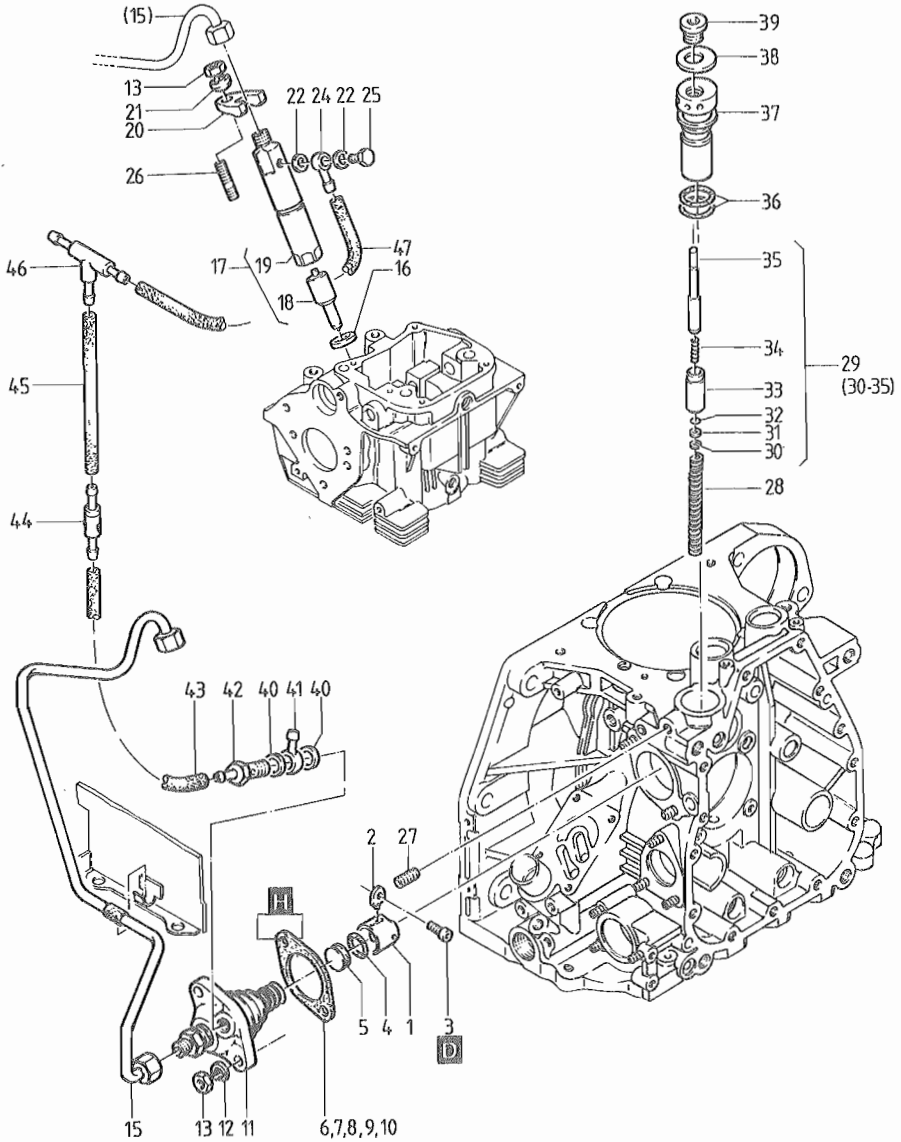


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
27	50004600	1	1	1	1		AM 8 X 16 DIN 916-45H
28	04001300	1	1	1	1		
29	01243700	1	1	1	1		
30	50117200	1	1	1	1		4 DIN 6799
31	50123200	1	1	1	1		5 X 10 X 0,5 DIN 988
32	50335400	1	1	1	1	D1	4,7 X 1,6
33	04001000	1	1	1	1		
34	04001200	1	1	1	1		
35	04001100	1	1	1	1		
36	50328900	2	2	2	2	D2	22 X 1,6
37	04001400	1	1	1	1		
38	04001600	1	1	1	1		
39	50330800	1	1	1	1		M 16 X 1,5 DIN 908-5.8 A3C
40	50001100	2	2	2	2	D2	A 12 X 15,5 DIN 7603-Cu
41	50015800	1	1	1	1		NW 6
42	03662300	1	1	1	1		
43	03663700	1	1	1	1		4,5 X 2,5 - 50 mm
44	00805500	1	1	1	1	P1	
45	03882900	1	1	1	1		4,5 X 2,5 -240 mm
46	50157800	1	1	1	1		
47	03917700	1	1	1	1		3,5 X 2,5 -140 mm

M26

Luftführung
Air ducting
Carter ventilation
Conducción de aire

Tafel Nr.
Tabl. No.

12

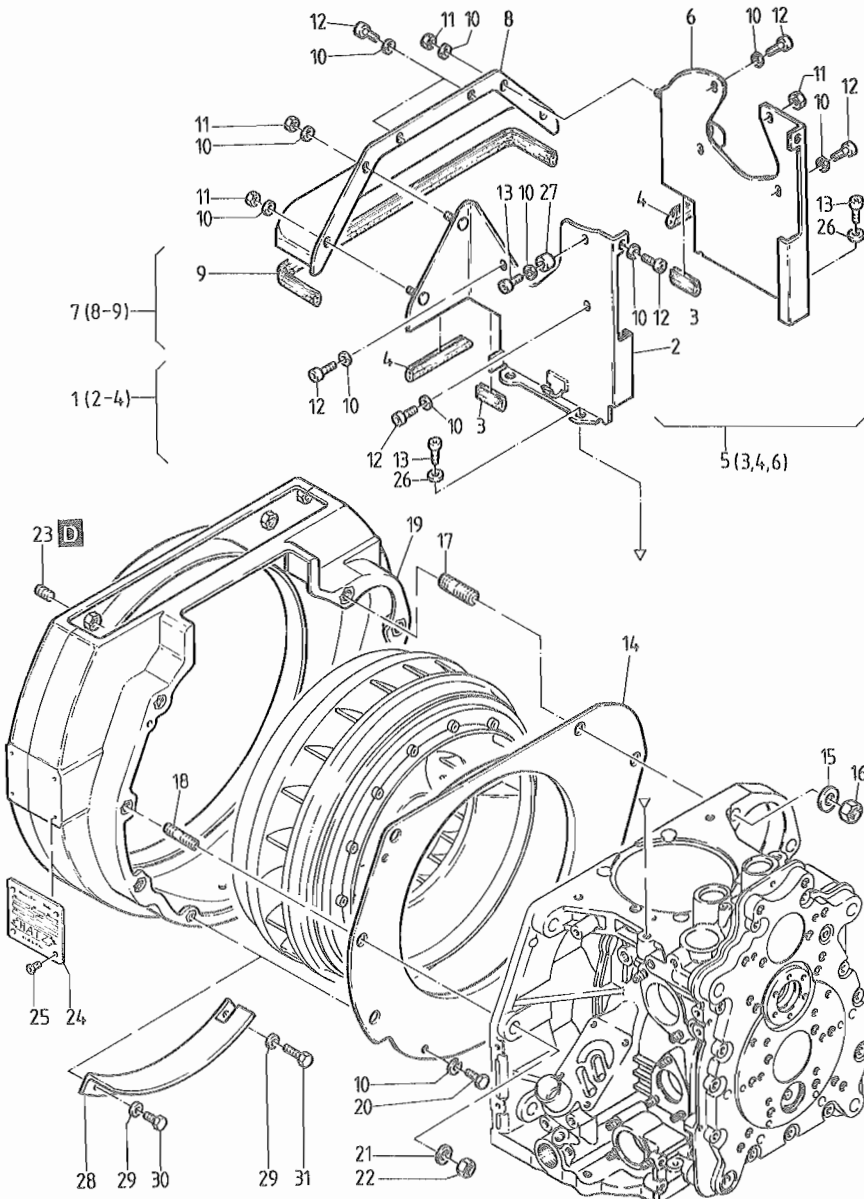


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
1	01260901	1	1	-	-		
1	01246211	-	-	1	1		
2	-----	-	-	-	-		
3	04030900	2	2	-	-		28 mm
4	04030800	2	2	-	-		41 mm
4	04007710	-	-	2	2		110,0 mm
5	01261000	1	1	-	-		
5	01246411	-	-	1	1		
6	-----	-	-	-	-		
7	01261100	1	1	-	-		
7	01246600	-	-	1	1		
8	-----	-	-	-	-		
9	04031000	1	1	-	-		308 mm
9	04007900	-	-	1	1		413 mm
10	50170900	15	15	17	17		6 DIN 128 A3C
11	50144400	5	5	4	4		M 6 DIN 934-8 A3C
12	50149100	9	9	11	11		M 6 X 12 DIN 912-8.8 A3C
13	50170700	5	5	-	-		M 16 X 16 DIN 912-8.8 A3C
13	50206300	-	-	4	4		M 8 X 18 DIN 912-8.8 A3C
14	04031100	1	1	-	-		
14	04008500	-	-	1	1		"S-Z"
15	50093700	2	2	2	2		13 DIN 125-St A3C
16	50093600	2	2	2	2		M 12 DIN 934-8-13-A3C
17	50364900	2	2	2	2		M 12 X 40 DIN 938-8.8 A3C
18	50130000	4	4	4	4		M 8 X 35 DIN 938-8.8
19	01261510	1	1	-	-		
19	01255910	-	-	1	1		
20	50333500	2	2	2	2		M 6 X 8 DIN 933-8.8 A3C
21	50062900	4	4	4	4		B 8,4 DIN 9021-St A3C
22	50148000	4	4	4	4		M 8 DIN 934-8 A3C
23	50226000	-	-	4	4		M 8 X 6 DIN 913-45 H
24	03225503	1	1	1	1		
25	40002500	4	4	4	4		
26	50144500	4	4	-	-		6,4 DIN 125-St A3C
27	03936400	1	1	-	-		6,2 X 8 X 5,5
28	04021100	-	-	1	1		
29	50144500	-	-	2	2		6,4 DIN 125-St A3C
30	50165500	-	-	1	1		M 6 X 12 DIN 933-8.8 A3C
31	50177100	-	-	1	1		M 6 X 16 DIN 933-8.8 A3C

M32

Drehzahlverstellung
Speed control
Réglage régime
Ajuste de revoluciones

Tafel Nr.
Tabl. No.

13

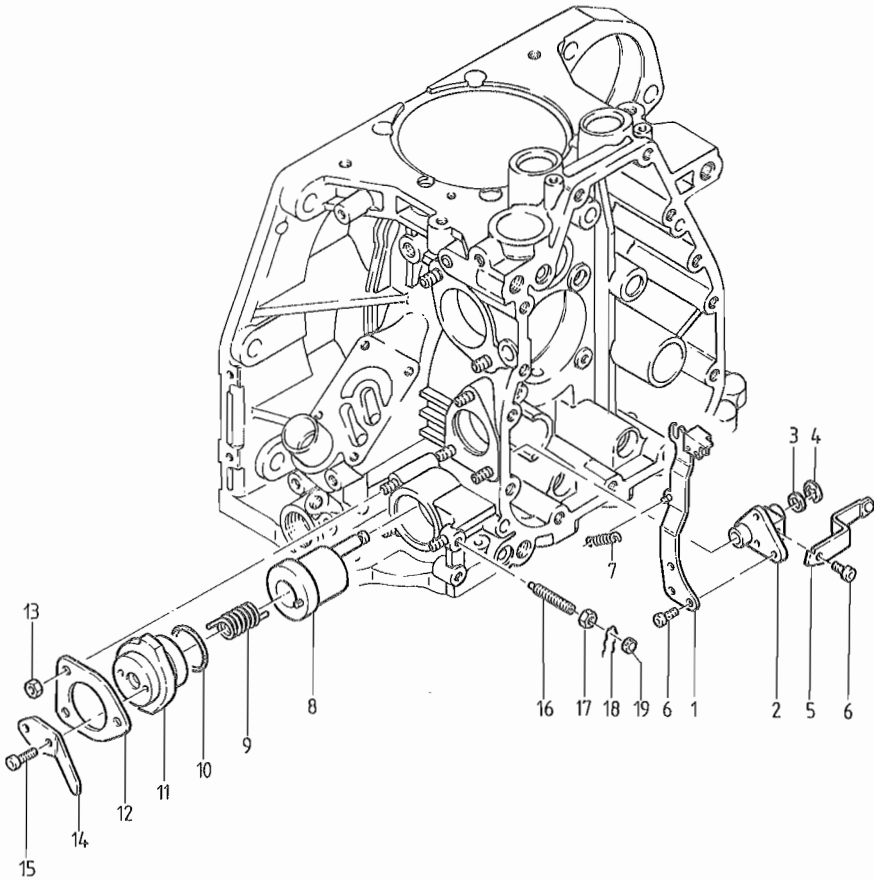


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	01242900	1	1	1	1		
2	01243000	1	1	1	1		
3	04000100	1	1	1	1		
4	50266100	1	1	1	1	6 DIN 6799	
5	04037500	1	1	1	1		
6	50328700	4	4	4	4	M 5 X 8 DIN 912-8.8	
7	04000200	1	1	1	1		
8	01242800	1	1	1	1		
9	03799000	1	1	1	1		
10	50129900	1	1	1	1	D1 32 X 2,5	
11	03799100	1	1	1	1		
12	03799200	1	1	1	1		
13	50328300	3	3	3	3	VM 6 DIN 980-8 A3C	
14	03799300	1	1	1	1		
15	50274500	2	2	2	2	M 5 X 12 DIN 912-8.8	
16	03799400	2	2	2	2		
17	50144400	2	2	2	2	M 6 DIN 934-8 A3C	
18	40021500	2	2	2	2		
19	40021400	2	2	2	2		

A01

Kraftstoffbehälter, Filter, Leitungen
Fuel tank, filter, pipes
Reservoir à carburant, filtre, conduites
Depósito combustible, filtro, tubería

Tafel Nr.
Tabl. No.

14

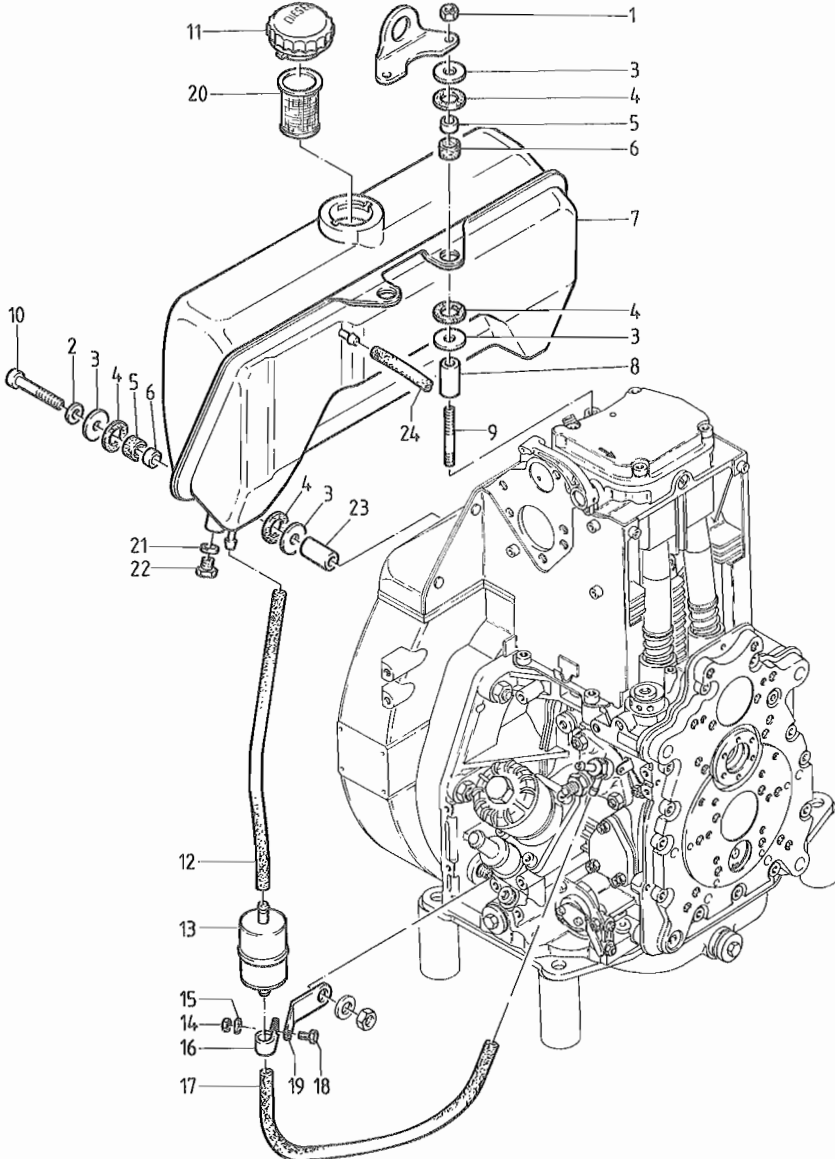


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	50148000	2	2	2	2	M 8	DIN 934-8 A3C
2	50208500	4	4	4	4	8,4	DIN 128-St A3C
3	50062900	8	8	12	12	B 8,4	DIN 9021-St A3C
4	03981800	8	8	12	12	15-25	
5	03981900	4	4	6	6		
6	03981700	4	4	6	6	8,4 X 13 X 7	
7	01405500	1	1	-	-	5 l	
7	01193510	-	-	1	1	7 l	
8	03981500	2	2	-	-	9 X 18 X 49	
8	03989800	-	-	2	2	8,5 X 20 X 49	
9	50377000	2	2	2	2	M 8 X 75	DIN 835-8.8 A3C
10	50171600	2	2	-	-	M 8 X 65	DIN 912-8.8 A3C
10	50248800	-	-	4	4	M 8 X 60	DIN 912-8.8 A3C
11	40032700	1	1	1	1	P1	
12	03801200	1	1	1	1	7 X 220	
13	40089401	1	1	1	1	W2	
14	50144400	1	1	1	1	M 6	DIN 934-8
15	50144500	1	1	1	1	6,4	DIN 125-St A3C
16	03165500	1	1	1	1		
17	03674300	1	1	1	1	7 X 305 mm	
18	50165500	1	1	1	1	M 6 X 12	DIN 933-8.8 A3C
19	03989100	1	1	-	-		
19	03960500	-	-	1	1		
20	40037800	1	1	1	1		
21	50001000	1	1	1	1	A 10 X 16	DIN 7603-Cu
22	50359800	1	1	1	1	M 10 X 12	DIN 933-8.8 A3C
23	03981600	2	2	-	-	9 X 18 X 38	
23	03963310	-	-	4	4	9 X 18 X 30	
24	03663800	1	1	-	-	4,5 X 40 mm	
24	03663700	-	-	1	1	4,5 X 50 mm	

A01

Förderpumpe
Fuel feed pump
Pompe alimentation
Bomba alimentacion

Tafel Nr.
Tabl. No.

15

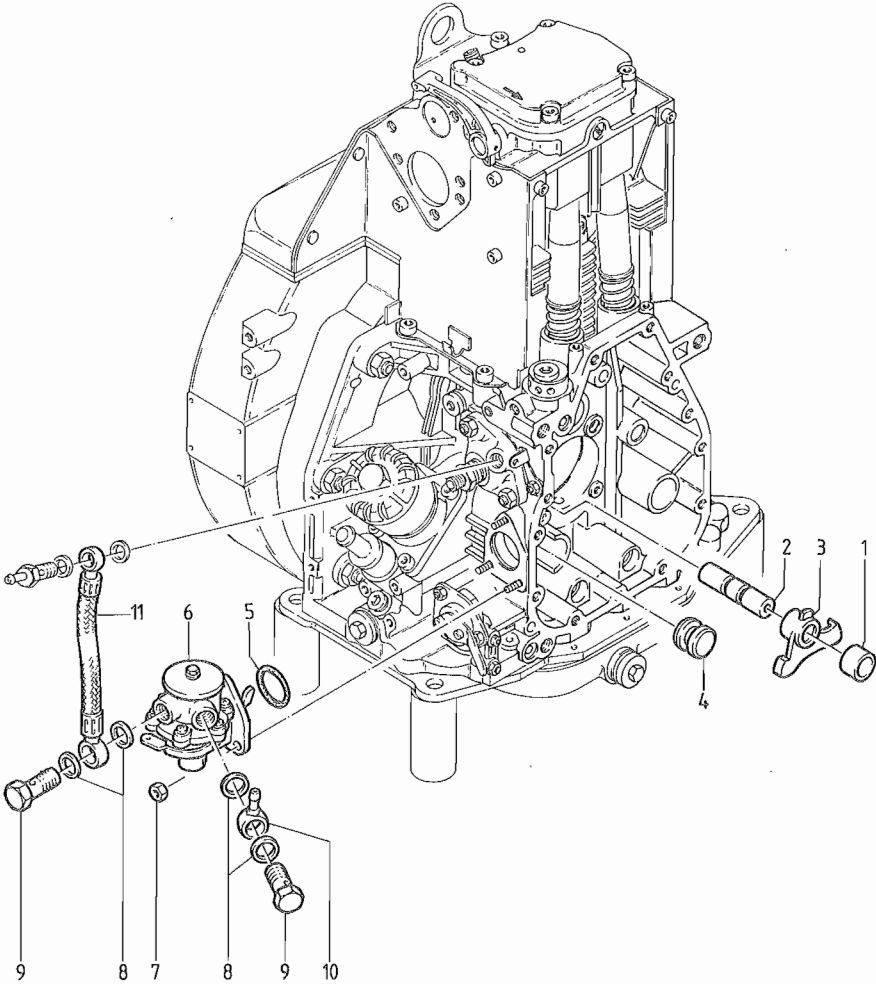


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	04011900	1	1	1	1		"S-T"
2	03796400	1	1	1	1		"S-T"
3	04011800	1	1	1	1		
4	04023600	1	1	-	-		"S-T"
4	04000800	-	-	1	1		"S-T"
5	50331800	1	1	1	1		35 X 2,8
6	50332300	1	1	1	1		
7	50328300	3	3	3	3		VM8 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	03969900	1	1	1	1		

A02

Luftfilter
Air filter
Filtre à air
Filtro de aire

Tafel Nr.
Tabl. No.
16

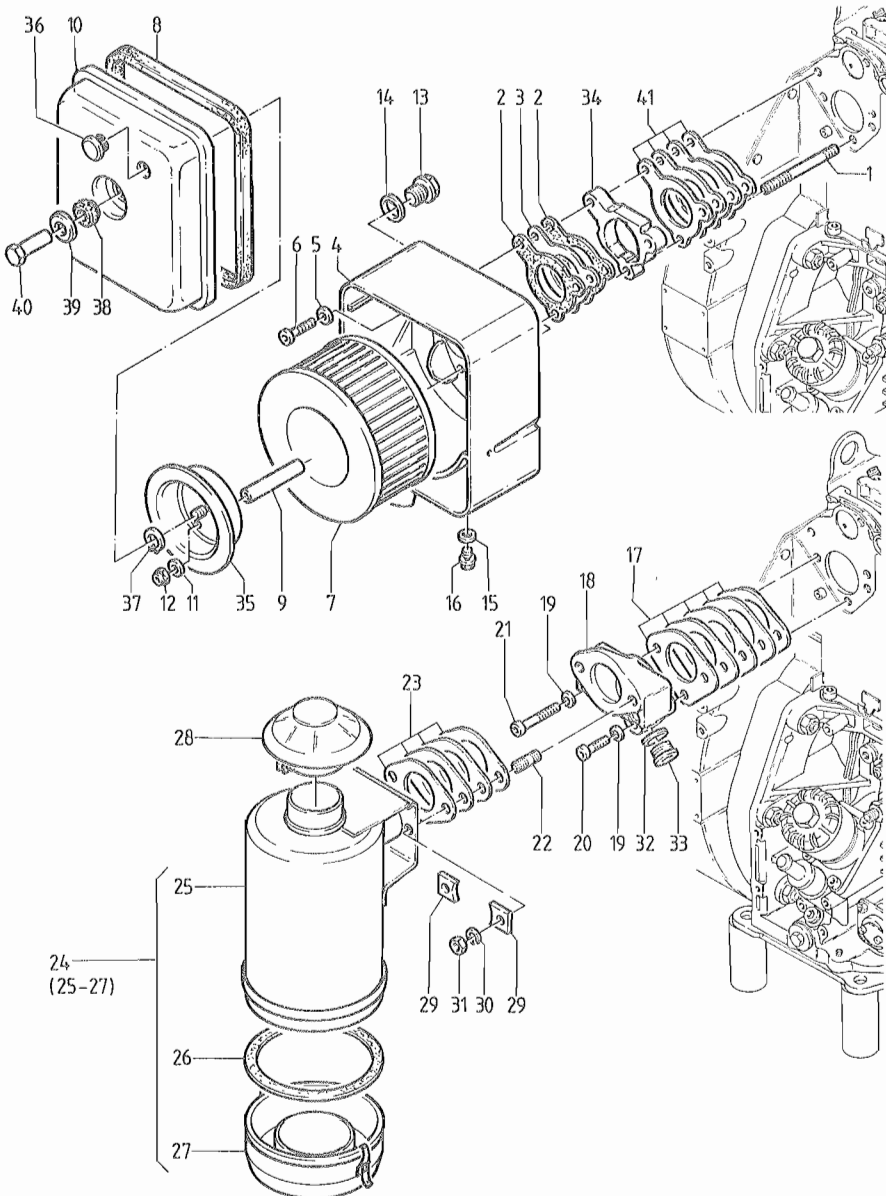


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	50039500	2	2	2	2		M 8 X 110 DIN 835-8.8 A3C
2	04029800	2	2	-	-	d2	
2	04006300	-	-	2	2	d2	
3	04029700	1	1	-	-		
3	04006200	-	-	1	1		
4	04029901	1	1	-	-		
4	04004310	-	-	1	1		
5	50095100	1	1	1	1		A 8 DIN 137-A3C
6	50330700	1	1	-	-		M 8 X 30 DIN 6912-8.8 A3C
6	50171000	-	-	1	1		M 8 X 45 DIN 912-8.8 A3C
7	04030100	1	1	-	-	W2	
7	40084500	-	-	1	1	W2	
8	04030300	1	1	-	-		
8	04047700	-	-	1	1		
9	04030000	2	2	-	-		8,4 X 12 X 67,5
9	04039610	-	-	2	2		9 X 16 X 64,7
10	01260500	1	1	-	-		
10	04045300	-	-	1	1		
11	50148100	2	2	2	2		8,4 DIN 125-St
12	50129500	2	2	2	2		M 8 DIN 985-5
13	50140400	1	1	1	1		AM 22 X 1,5 DIN 7604
14	50001600	1	1	1	1		AM 22 X 27 DIN 7603-Cu
15	50062400	1	1	1	1		A 10 X 13,5 DIN 7603-Cu
16	50062300	1	1	1	1		M 10 X 1 DIN 908-5.8 A3C
17	01280200	-	-	1	1		
18	03987200	-	-	1	1		
19	50095100	-	-	3	3		
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		

A02 Luftfilter
 Air filter
 Filtre à air
 Filtro de aire

Tafel Nr.
 Tabl. No.
16

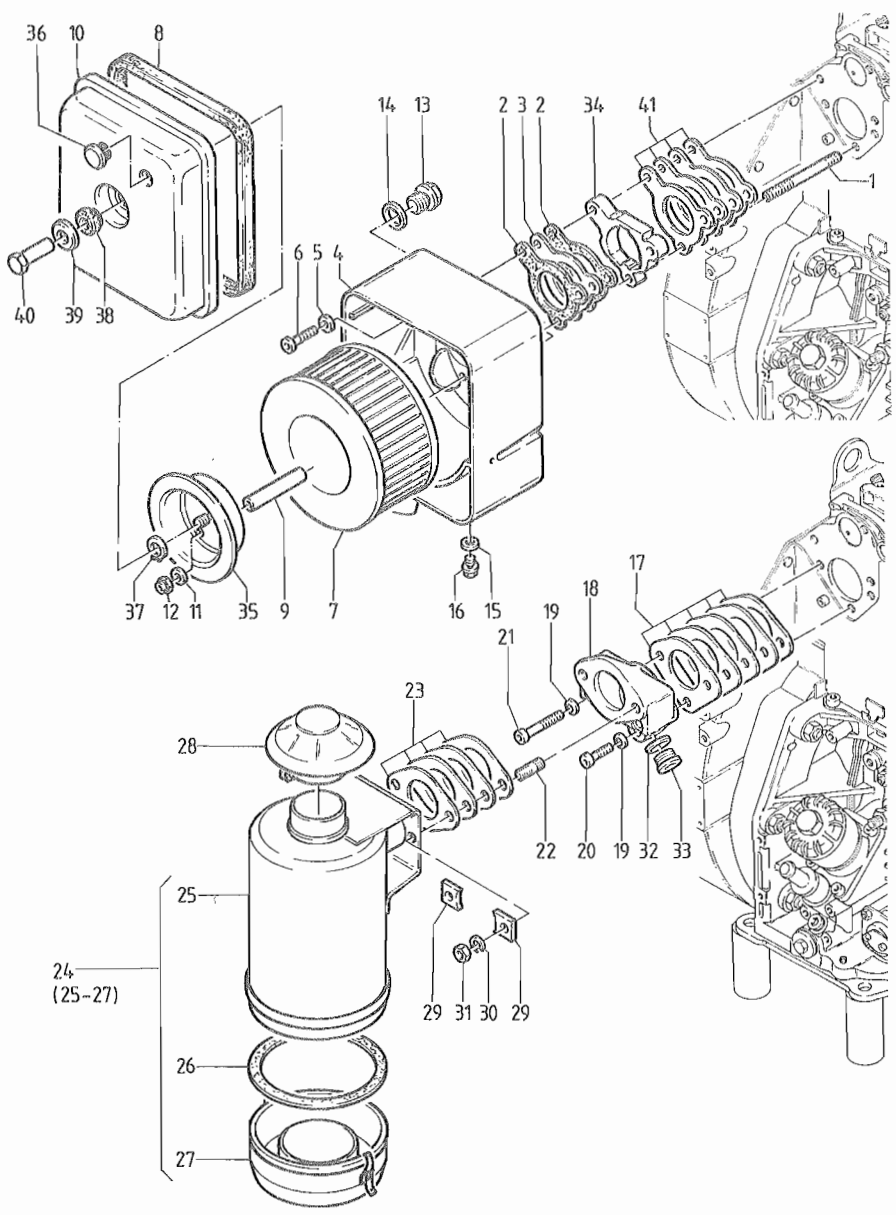


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
24	01078500	-	-	1	1		
25	-----	-	-	-	-		
26	49038000	-	-	1	1		
27	49056600	-	-	1	1		
28	40036700	-	-	1	1		Ø 62 mm
29	03945400	-	-	2	2		
30	50135600	-	-	2	2	10	DIN 128 A3C
31	50145800	-	-	2	2	M 10	DIN 934-8 A3C
32	50001600	-	-	1	1	A 22 X 27	DIN 7603-Cu
33	50232000	-	-	1	1	M 22 X 1,5	DIN 908-5.8 A3C
34	04047300	-	-	1	1		
35	01275400	-	-	1	1		
36	04048600	-	-	1	1		
37	50384100	-	-	1	1		
38	04048500	-	-	1	1		
39	04047400	-	-	1	1		
40	04047600	-	-	1	1		
41	04049200	-	-	4	4		

A03
Abgasdämpfer
Exhaust silencer
Silencieux
Silenciador

Tafel Nr.
Tabl. No.

17

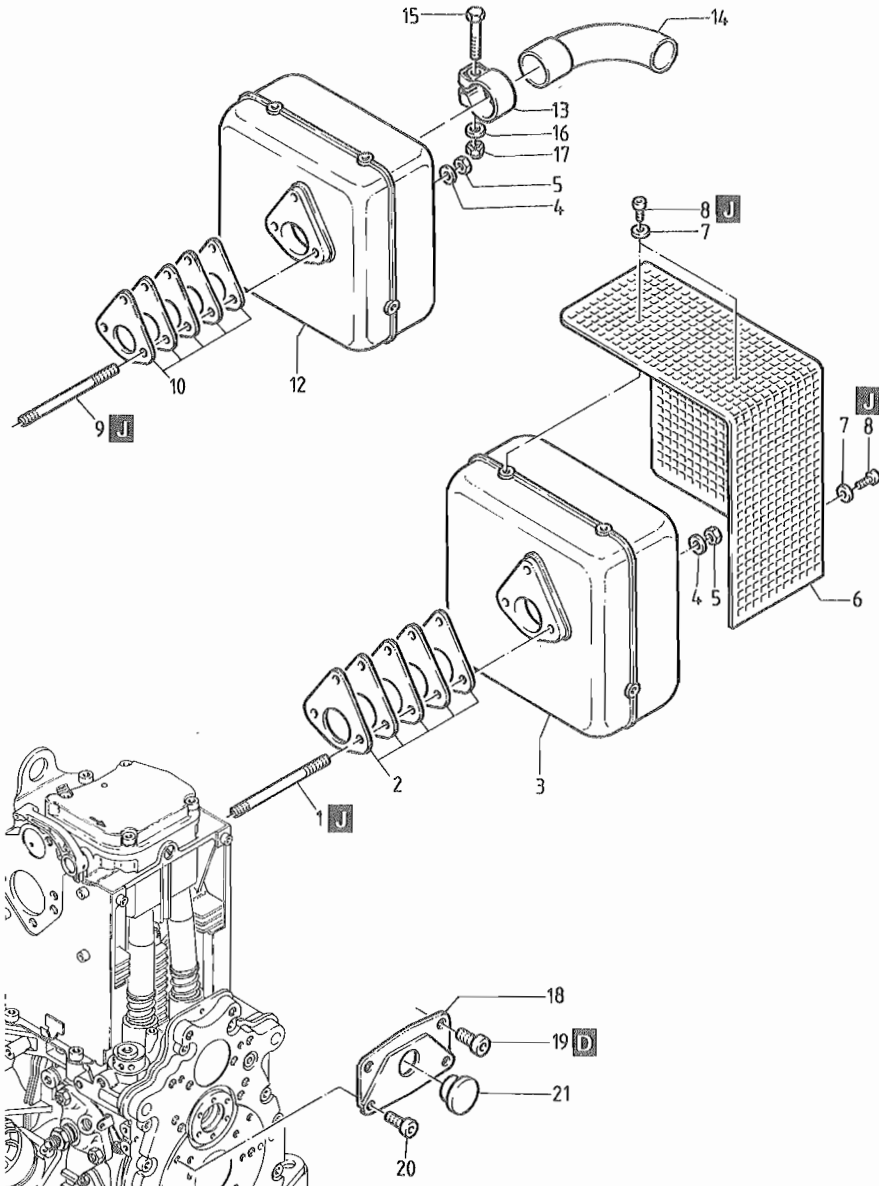


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	50129400	-	-	3	3		M 8 X 140 DIN 835-3.8 A3C
2	01429100	-	-	5	5	d1	
3	01181300	-	-	1	1		
4	50148100	3	3	3	3		8,4 DIN 125-St A3C
5	40028400	3	3	3	3		VM 8 DIN 980-8 C3A
6	01191900	-	-	1	1		
7	50120000	-	-	5	5		A 6,4 DIN 9021-St A3C
8	50139000	-	-	5	5		M 6 X 10 DIN 912-8.8 C4P
9	50059100	3	3	-	-		M 8 X 120 DIN 835-5.8
10	01427900	1	1	-	-	d1	
11	-----	-	-	-	-		
12	01416900	1	1	-	-		
13	03740900	1	1	-	-		
14	03740800	1	1	-	-		
15	50380000	1	1	-	-		M 8 X 50 DIN 931-8.8 A3C
16	50148100	1	1	-	-		8,4 DIN 125-St A3C
17	40028400	1	1	-	-		VM 8 DIN 980-8 C3A
18	03985300	-	-	1	1		
19	50135700	-	-	2	2		M 10 X 16 DIN 912-8.8 A3C
20	50165400	-	-	2	2		M 8 X 16 DIN 912-8.8 A3C
21	40091400	-	-	1	1		F 28

A04

Andrehkurbel, Rücklaufsperr
Starting handle, return stop
Manivelle, disp. antidetournement
Manivela, bloqueo de retroces

Tafel Nr.
Tabl. No.

18

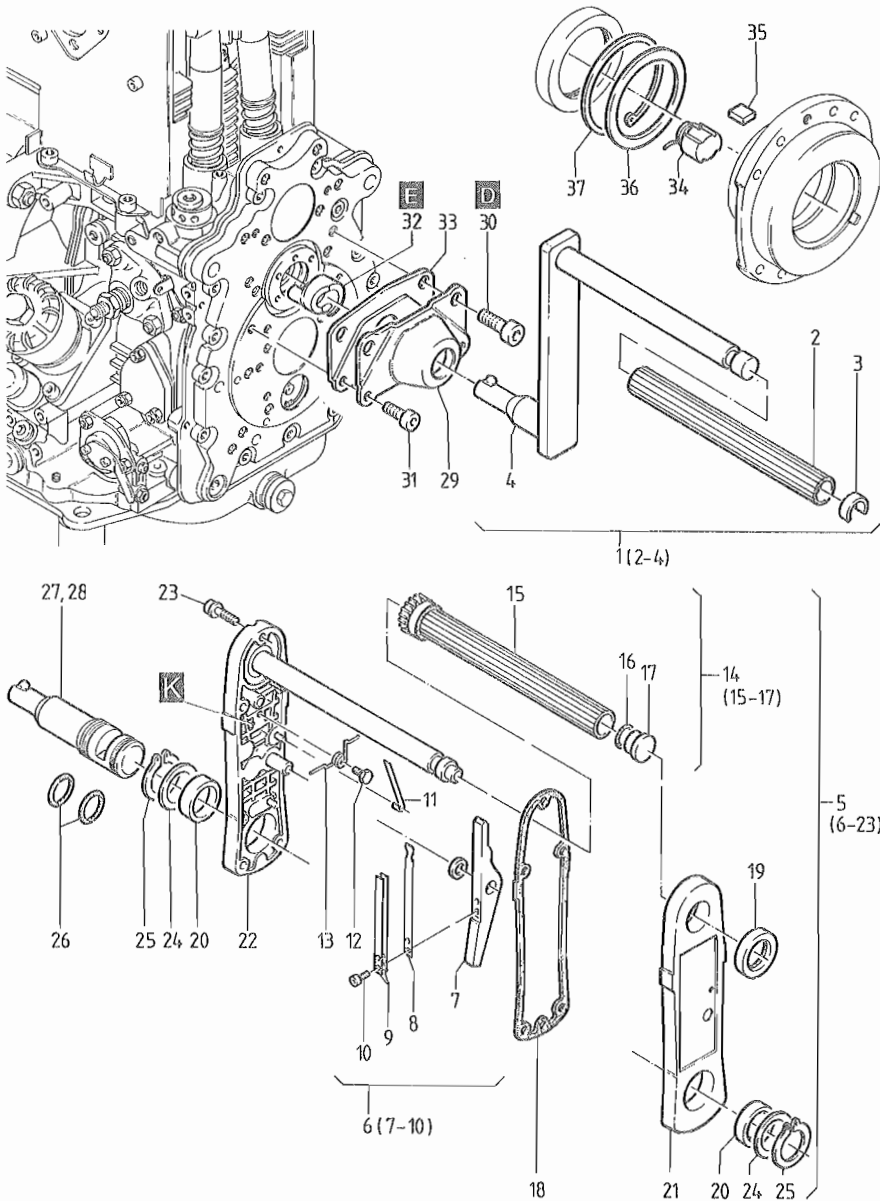


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes	
		1D20	1D30	1D60	1D80			
		1D40						
1	01248000	1	1	1	1		80 mm	
1	01407300	1	1	1	1		200 mm	
2	03522400	1	1	1	1			
3	03515400	1	1	1	1			
4	-----	-	-	-	-			
5	01027805	1	1	1	1		"A"	
6	01011404	1	1	1	1			
7	-----	-	-	-	-			
8	03812102	1	1	1	1			
9	03917100	1	1	1	1			
10	50316500	2	2	2	2		M 5 X 8	DIN 6912-8.8
11	03954900	1	1	1	1			
12	03955600	1	1	1	1			
13	03955900	1	1	1	1		"A"	
14	01011310	1	1	1	1			
15	-----	-	-	-	-			
16	50169100	1	1	1	1		19 X 1,8	
17	50199200	1	1	1	1			
18	03813000	1	1	1	1			
19	50194200	1	1	1	1			
20	50193400	2	2	2	2			
21	-----	-	-	-	-			
22	-----	-	-	-	-			
23	50194400	5	5	5	5		M 6 X 25	DIN 6912-8.8 A3C
24	03928600	0...4	0...4	0...4	0...4			
25	50194300	2	2	2	2		A 30 X 1,5K	DIN 983
26	50258500	2	2	2	2		26 X 1,5	
27	01187200	1	1	1	1		80 mm	
28	01411401	1	1	1	1		200 mm	
29	03956810	1	1	1	1			
30	50343700	2	2	2	2		M 10 X 25	DIN 912-8.8 TUF A3C
31	50206300	2	2	2	2		M 8 X 18	DIN 912-8.8 A3C
32	04020300	1	1	1	1			
33	03985300	1	1	1	1			
34	50380200	-	-	24	24			
35	50380300	-	-	2	2			
36	50384800	-	-	1	1		70 X 90 X 1,2	DIN 988
37	50384700	-	-	1	1		90 X 3	DIN 472

A05

Starter, Generator
Starter, alternator
Demarreur, alternateur
Arrancador, alternador

Tafel Nr.
Tabl. No.

19

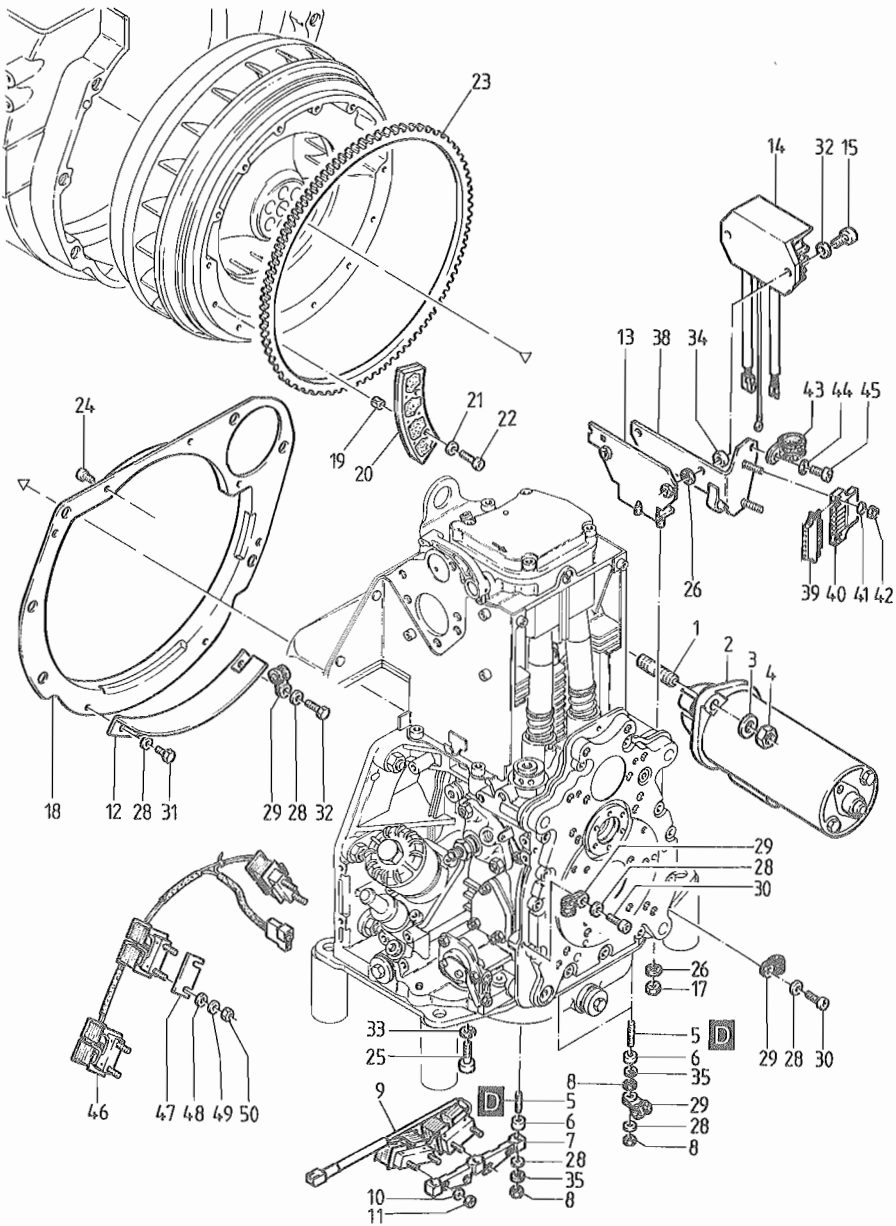


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	50365000	2	2	2	2	M 12 X 50	DIN 938-8.8 A3C f. Taf., Tab. 22, Pos. 9
1	50364900	2	2	2	2	M 12 X 40	DIN 938-8.8 A3C f. Taf., Tab. 12, Pos. 19
2	50353500	1	1	-	-	12 V	- 1,6 KW
2	50353410	-	-	1	1	12 V	- 1,5 KW
2	50385000	-	-	1	1	12 V	- 1,5 KW "T-U"
3	50063200	2	2	2	2	12	DIN 128 A3C
4	50380600	2	2	2	2	M 12	DIN 970-8 A3C
5	50328600	-	-	6	6	M 6 X 25	DIN 938-8.8 A3C
6	04021000	-	-	6	6	6,3 X 12 X 15,5	
7	04020900	-	-	1	1		
8	50144400	-	-	9	9	M 6	DIN 934-8 A3C
9	01427000	-	-	1	1	12 V	
9	01427100	-	-	1	1	24 V	
10	50315400	-	-	4	4	B 4	DIN 137 A3C
11	50147100	-	-	4	4	M 4	DIN 934-8.8 A3C
12	04021100	-	-	1	1		
13	01253810	1	1	1	1		
14	01248102	1	1	1	1	12 V	
14	01425000	-	-	1	1	24 V	
15	50165400	2	2	-	-	M 8 X 16	DIN 912-8.8 A3C
15	50171500	-	-	2	2	M 8 X 25	DIN 912-8.8 A3C
16	-----	-	-	-	-		
17	50148000	2	2	2	2		
18	04031800	1	1	-	-		
18	04009910	-	-	1	1	"S-Z"	
19	50327400	12	12	14	14	5 X 10	DIN 7346
20	04031600	6	6	-	-		
20	04020400	-	-	7	7		
21	50147200	12	12	14	14	4,3	DIN 125-St A3C
22	50327300	12	12	14	14		
23	04032300	1	1	-	-		
23	04021200	-	-	1	1		
24	50050400	-	-	3	3	M 6 X 8	DIN 6912-8.8

A05 Starter, Generator
 Starter, alternator
 Demarreur, alternateur
 Arrancador, alternador

Tafel Nr.
 Tabl. No.
19

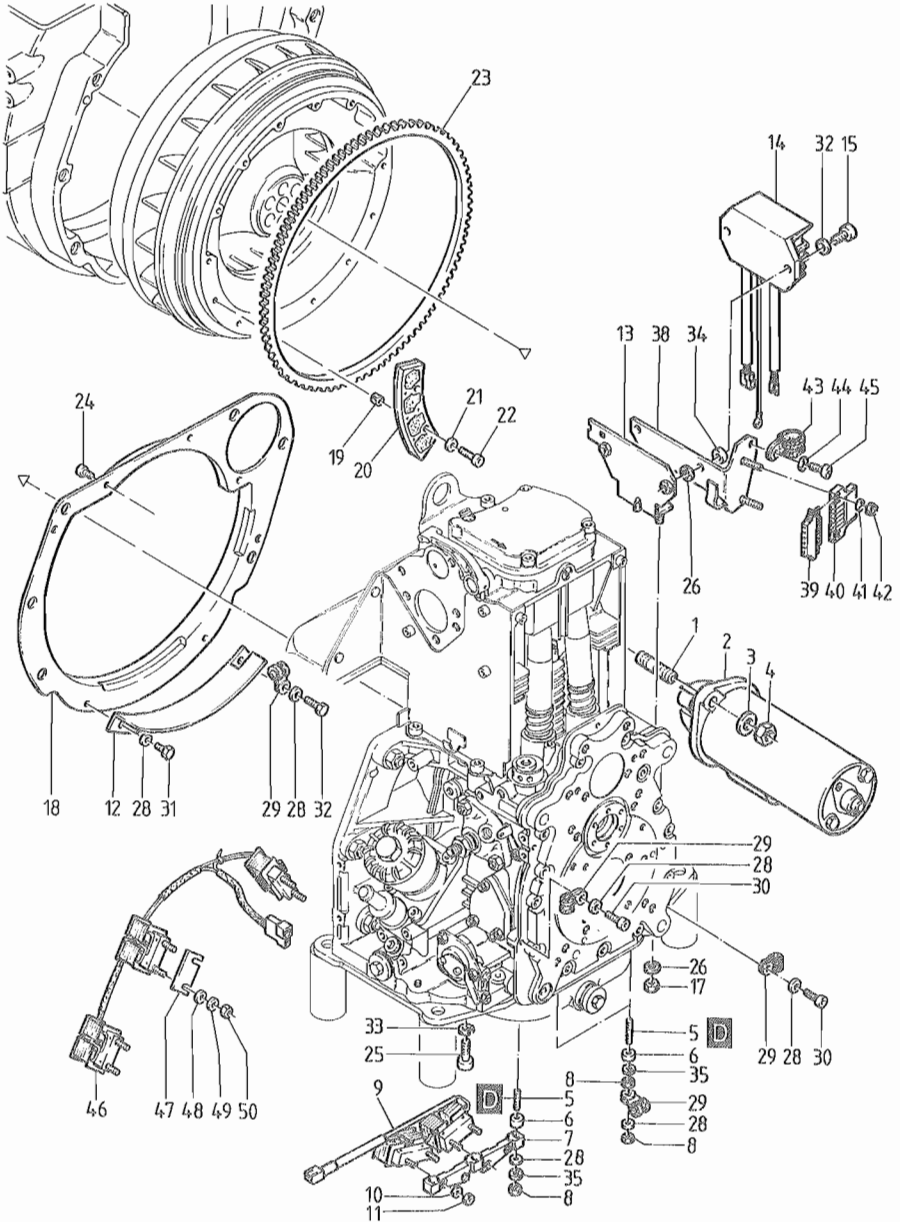


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
25	50114400	-	-	1	1	M 8 X 25	DIN 6912-8.8
26	50179900	4	4	4	4	J 8,4	DIN 6797 A3C
27	-----	-	-	-	-		
28	50144500	-	-	10	10	6,4	DIN 125-St A3C
29	50173500	-	-	5	5	10 / 15	
30	50170700	-	-	2	2	M 6 X 16	DIN 912-8.8 A3C
31	50165500	-	-	1	1	M 6 X 12	DIN 933-8.8 A3C
32	50177100	-	-	1	1	M 6 X 16	DIN 933-8.8 A3C
33	50347300	-	-	1	1	8	DIN 7980 A3C
34	03777700	-	-	2	2	9 X 18 X 5	
35	50170900	-	-	6	6	6	DIN 128 A3C
36	50158400	-	-	1	1	14/15	
37	50208500	2	2	-	-	8	DIN 128 A3C
37	03788800	-	-	2	2	8,4 X 15 X 2	
38	01402700	1	1	1	1		
39	50373600	1	1	1	1		
40	50373700	1	1	1	1		
41	50216300	2	2	2	2		
42	40028200	2	2	2	2		
43	50190310	1	1	1	1		
44	50081200	1	1	1	1		
45	50170700	1	1	1	1		
46	01262901	1	1	-	-	12 V	
47	04031900	0...3	0...3	-	-	0,3 mm	
47	04032000	0...3	0...3	-	-	0,5 mm	
47	04032100	0...3	0...3	-	-	1,0 mm	
48	50147200	6	6	-	-	4,3	DIN 125 St-A3C
49	50315400	6	6	-	-	B 4	DIN 137 A3C
50	50147100	6	6	-	-	M 4	DIN 934-8 A3C

A05 Armaturenkasten
 Instrument box
 Boîtier de bord
 Cuadro de mando

Tafel Nr.
 Tabl. No.
20

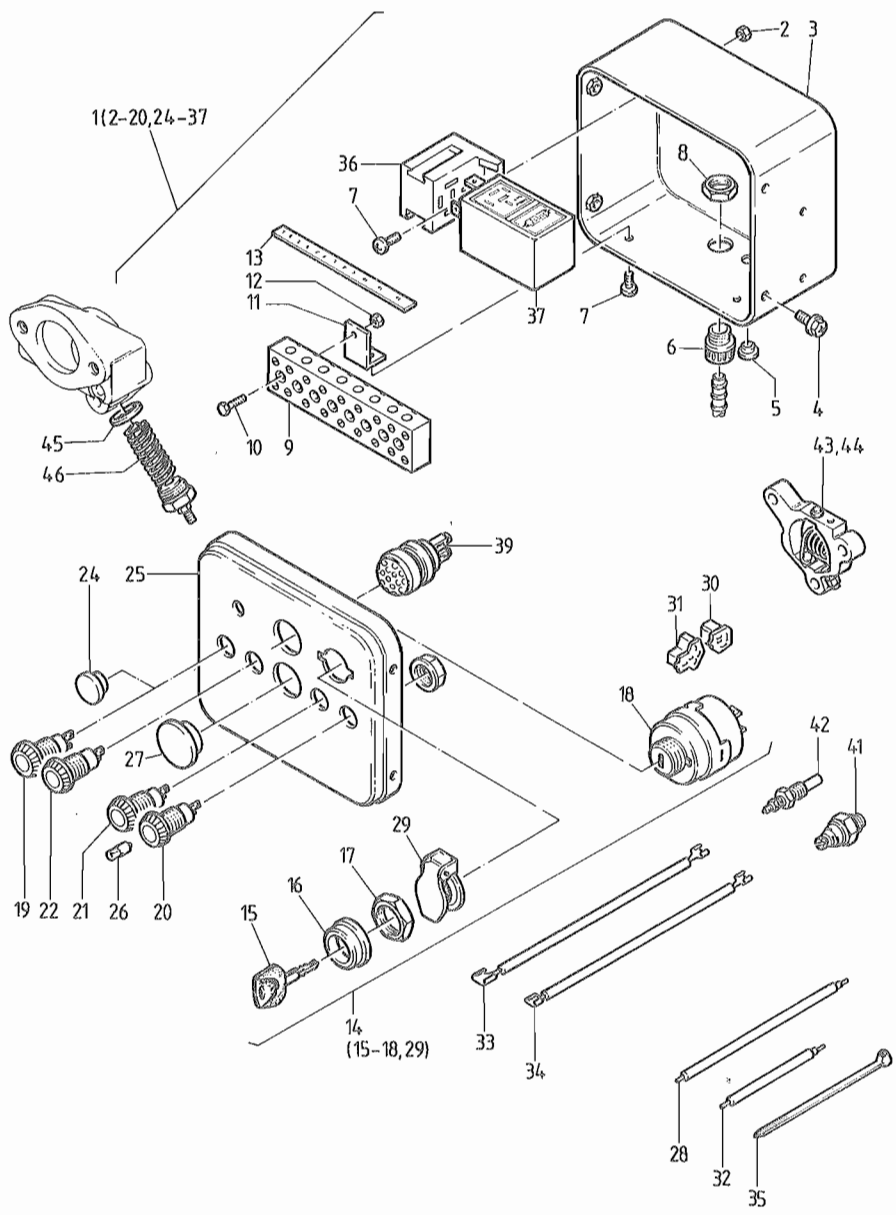


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80 1D40		
1	01407000	1	1	1	1		12 V
2	40028200	1	1	1	1		
3	00716311	1	1	1	1		
4	50289200	4	4	4	4		M 6 X 12 KZ1 8.8 A3D
5	50160800	1	1	1	1		
6	50159010	1	1	1	1		
7	50049300	3	3	3	3		M 5 X 10 DIN 7985-4.8 A3R
8	50159100	1	1	1	1		
9	50160700	1	1	1	1		
10	50158800	2	2	2	2		M 4 X 20 DIN 84-4.8 A3C
11	03666700	2	2	2	2		
12	50147100	2	2	2	2		M 4 DIN 934-8 A3C
13	03886200	1	1	1	1		
14	50276501	1	1	1	1		
15	50345300	1	1	1	1	P1	
16	-----	-	-	-	-		
17	-----	-	-	-	-		
18	-----	-	-	-	-		
19	50182400	1	1	1	1		FILTER
20	50176500	1	1	1	1		BATT.
21	50176600	1	1	1	1		OIL
22	50176400	1	1	1	1		TEMP.
23	-----	-	-	-	-		
24	40096000	2	2	2	2		F 17
25	03509211	1	1	1	1		
26	40009700	4	4	4	4		12V - 2W
27	40091400	2	2	2	2		F 24
28	01150101	1	1	1	1		
29	49050900	1	1	1	1		
30	50276600	1	1	1	1		4-P
31	50276700	1	1	1	1		6-P
32	01090201	2	2	2	2		
33	01089801	1	1	1	1		
34	01089901	1	1	1	1		
35	50358400	1	1	1	1		

A05

Armaturenkasten
Instrument box
Boîtier de bord
Cuadro de mando

Tafel Nr.
Tabl. No.
20

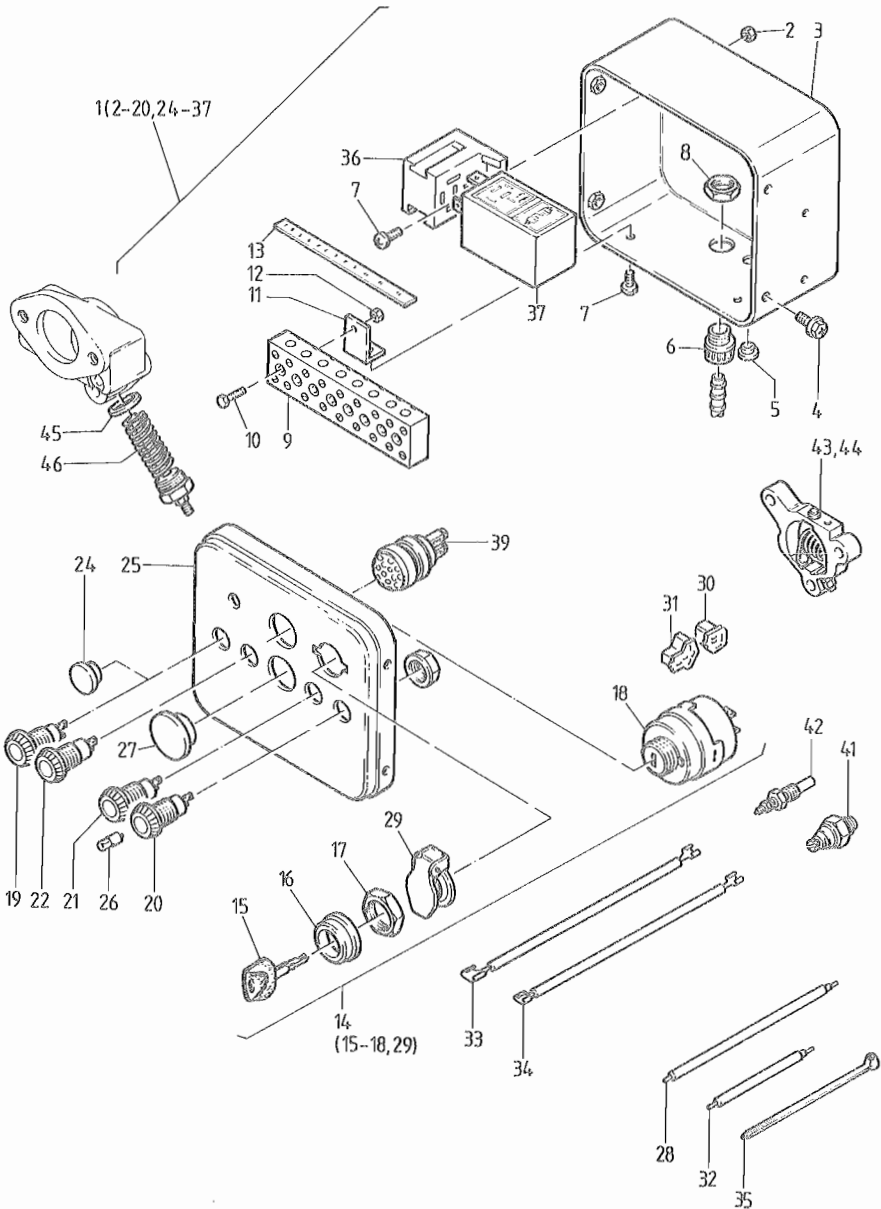


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
36	50276000	1	1	1	1		
37	50275801	1	1	1	1	12 V HATZ MSR	
38	-----	-	-	-	-		
39	40068600	1	1	1	1	12 - 24 V	
40	-----	-	-	-	-		
41	50272200	1	1	1	1	Oil	
42	50268600	1	1	1	1	TEMP.	
43	01275500	-	-	1	1	12 V	
44	01279100	-	-	1	1	24 V	
45	50001600	-	-	1	1	A 22 X 27 DIN 7603-Cu	
46	50163900	-	-	1	1	12 - 24 V	

A09

Drehzahlverstellung einstellbar
Speed control
Réglage régime
Ajuste de velocidad

Tafel Nr.
Tabl. No.

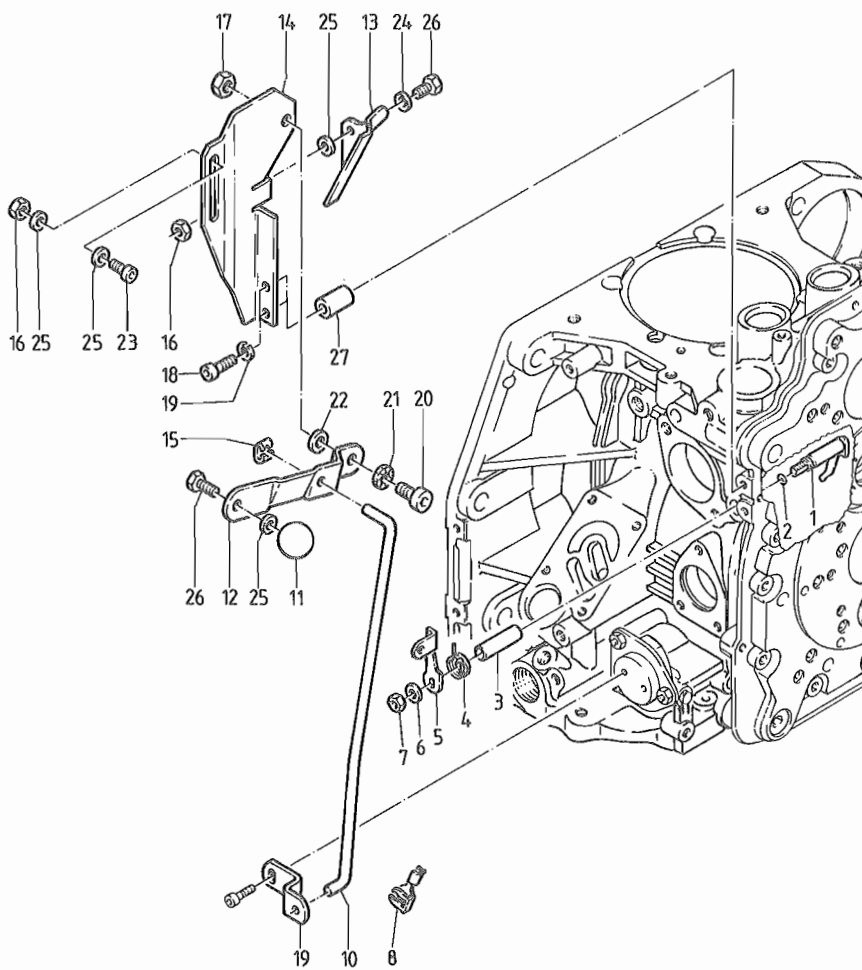
21

Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	01254600	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	50365500	1	1	1	1		
9	03914701	1	1	1	1		
10	03914600	1	1	1	1		
11	50195100	1	1	1	1		
12	03925200	1	1	1	1		
13	03942501	1	1	1	1		
14	03914501	1	1	1	1		
15	50365600	1	1	1	1		
16	50328300	2	2	2	2	VM 6	DIN 980-8 A3C
17	50223600	1	1	1	1	VM 8	
18	50374900	2	2	2	2	M 6 X 35	DIN 912-8.8 A3C
19	50170900	2	2	2	2	6	DIN 128 A3C
20	50134900	1	1	1	1	M 8 X 16	DIN 6912-8.8
21	50095100	1	1	1	1	A 8	DIN 137 A3C
22	50148100	1	1	1	1	8,4	DIN 125-St A3C
23	50149100	1	1	1	1	M 6 X 12	DIN 912-8.8 A3C
24	50081200	1	1	1	1	A6	DIN 137 A3C
25	50144500	4	4	4	4	6,4	DIN 125-St A3C
26	50149100	2	2	2	2	M 6 X 12	DIN 912-8.8 A3C
27	03488000	2	2	2	2	7 X 12 X 21	

A15
Anschlußgeh.
Interm. housing
Bride raccord
Caja de con.

Tafel Nr.
Tabl. No.

22

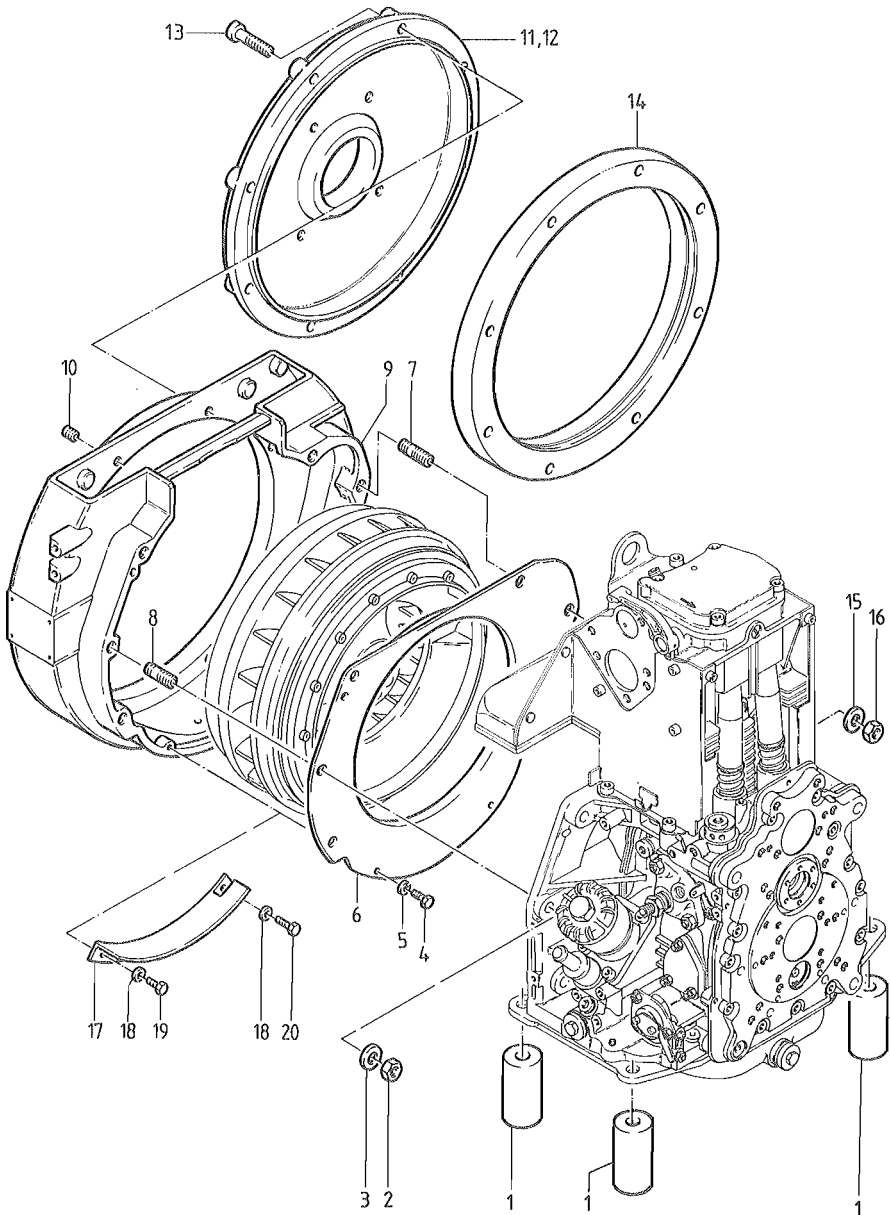


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	03964600	4	4	4	4	M 10	DIN 934-8 A3C
2	50145800	4	4	-	-	M 10	DIN 934-8
2	50093600	-	-	4	4	M 12	DIN 934-8 A3C
3	50145900	4	4	-	-	10,5	DIN 125-St A3C
3	50093700	-	-	4	4	13	DIN 125-St A3C
4	50177100	2	2	2	2	M 6 X 16	DIN 933-8.8 A3C
5	50170900	2	2	2	2	6	DIN 128 A3C
6	04031100	1	1	-	-		
6	04008500	-	-	1	1	"S-Z"	
7	50364800	2	2	2	2	M 12 X 40	DIN 835-8.8 A3C
8	50040900	4	4	-	-	M 10 X 35	DIN 835-8.8
8	50331400	-	-	4	4	M 12 X 35	DIN 835-8.8 A3C
9	04032610	1	1	-	-	SAE 6	
9	04008210	-	-	1	1	SAE 5	
10	50065000	8	8	8	8	AM 10 X 10	DIN 913 TUFLOK
11	03976100	1	1	-	-	SAE "B"	Ø 146,1
11	03953400	-	-	1	1	SAE "B"	Ø 146,1
12	03953500	-	-	1	1	SAE "B"	Ø 177,8
13	50055200	8	8	-	-	M 10 X 60	DIN 912-8.8
13	50054700	-	-	8	8	M 10 X 45	DIN 912-8.8
14	03954400	-	-	1	1		
15	50093700	2	2	2	2	13	DIN 125-St A3C
16	50093600	2	2	2	2	M 12	DIN 934-8 A3C
17	04021100	-	-	1	1	"T-U"	
18	50144500	-	-	2	2	6,4	DIN 125-St A3C
19	50165500	-	-	1	1	M 6 X 12	DIN 933-8.8 A3C
20	50177100	-	-	1	1	M 6 X 16	DIN 933-8.8 A3C

A16

Wellenstummel, elast. Kupplung
Stubshaft, flexible coupling
Bout de arbre, acouplement elastic
Eje, acoplamiento elastico

Tafel Nr.
Tabl. No.
23

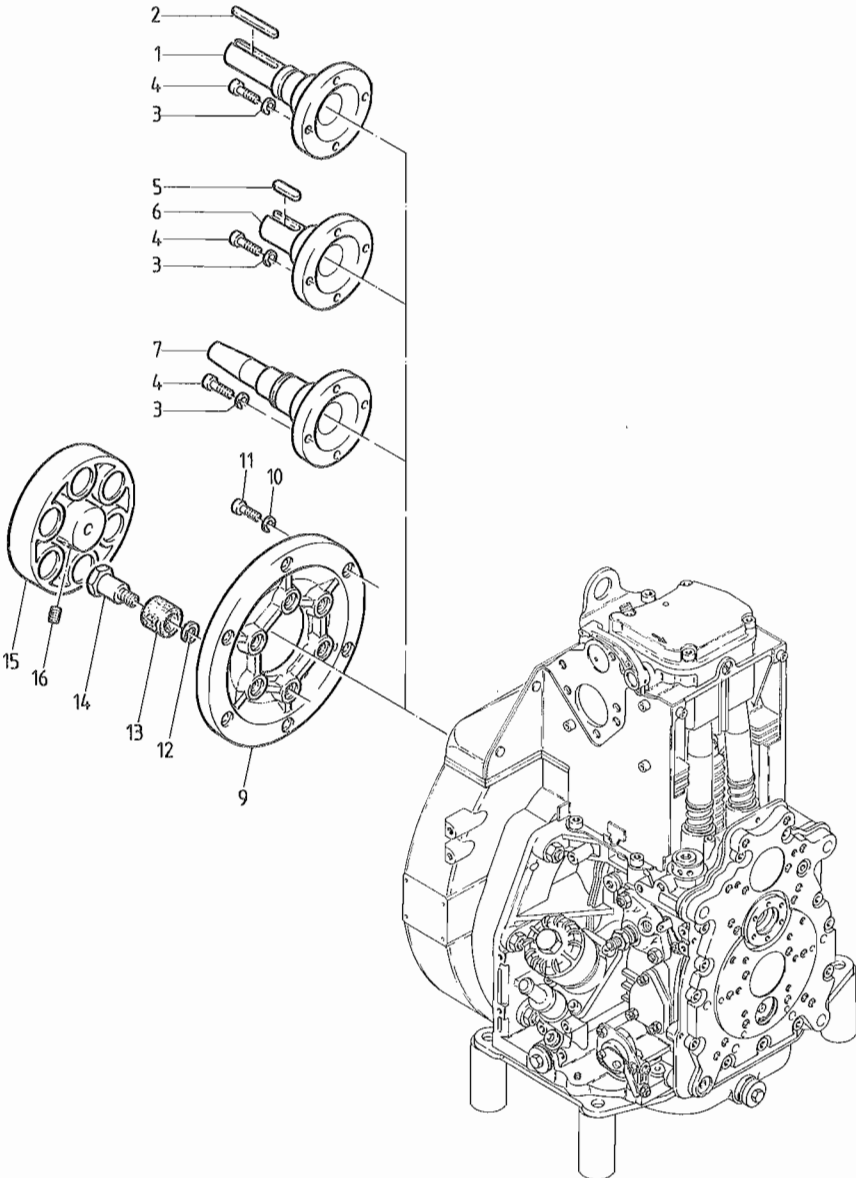


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
		1D40					
1	03952000	1	1	1	1	2	Ø 1"
2	03962700	1	1	1	1	A 6,35 X 63	
3	50002800	4	4	4	4	8	DIN 128
4	50052100	4	4	4	4	M 8 X 25	DIN 912-8.8
5	50011500	1	1	1	1	A 8 X 7 X 35	DIN 6885
6	03954300	1	1	1	1	2	Ø 30 mm
7	03953200	1	1	1	1	4	Ø 1"
9	03951700	1	1	1	1		
10	50002800	6	6	6	6	8	DIN 128
11	50051900	6	6	6	6	M 8 X 20	DIN 912-8.8
12	50061600	6	6	6	6	12	DIN 7980
13	03151000	6	6	6	6		
14	03046900	6	6	6	6		
15	03004601	1	1	1	1		
16	50004600	1	1	1	1	A M 8 X 16	DIN 916-45H

A17

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

Tafel Nr.
Tabl. No.
24

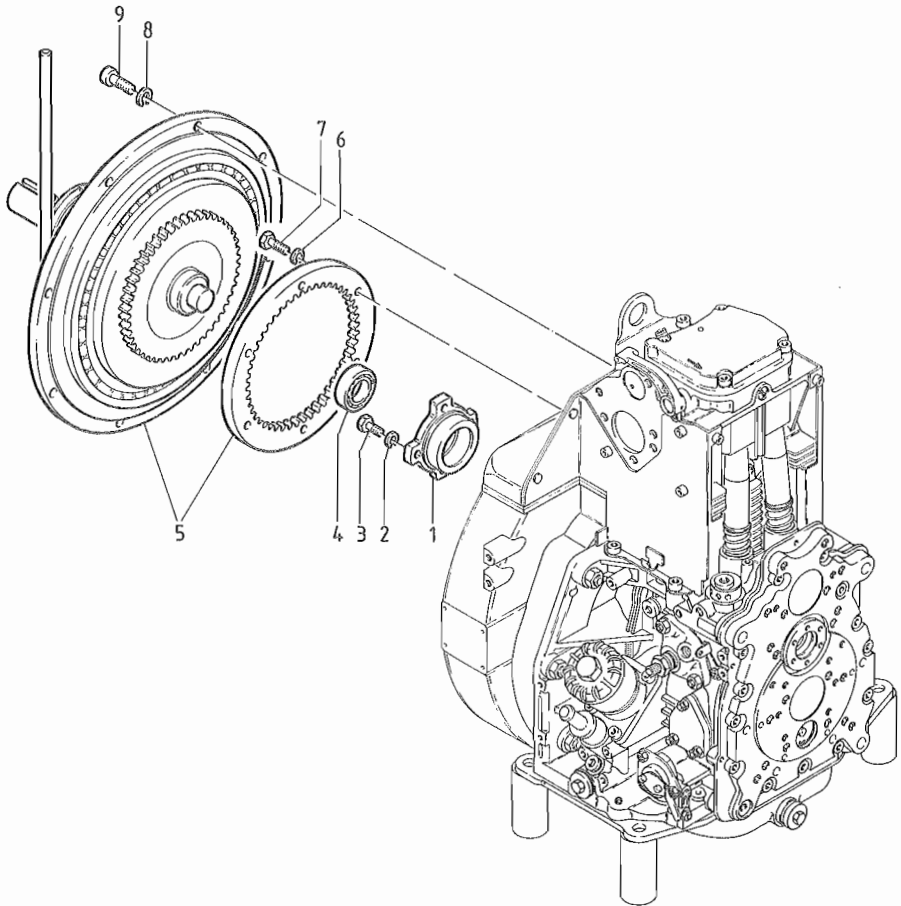


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
1	03961200	-	-	1	1		
2	50002800	-	-	4	4	8	DIN 128
3	50026800	-	-	4	4	M 8 X 20	DIN 933-8.8
4	50014100	-	-	1	1		DIN 625 6205 2 RS
5	50349300	-	-	1	1		
6	50002800	-	-	6	6	8	DIN 128
7	50027000	-	-	6	6	M 8 X 25	DIN 933-8.8
8	50135600	-	-	8	8	10	DIN 128 A3C
9	50055200	-	-	8	8	M 10 X 60	DIN 912-8.8 A3C

A18

Anbauteile Hydraulikpumpe
Mount. parts hydr. pump
Pièces mont.-pompe hydr.
Piezas mont. bomba hidr.

Tafel Nr.
Tabl. No.
25

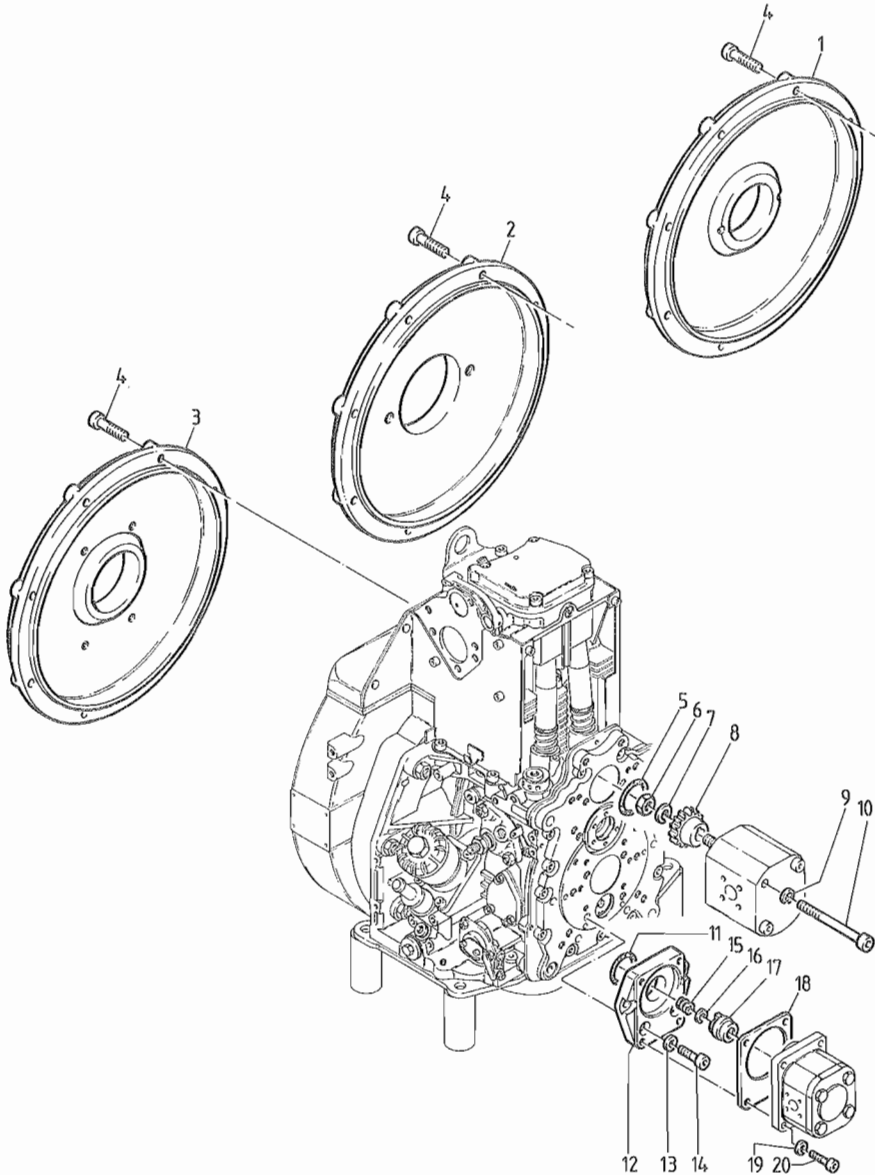


Fig.- No.	HATZ Ident-No.	Stück Qty.				P / W d / D	Bemerkungen Notes
		1D20	1D30	1D60	1D80		
			1D40				
1	03976300	1	1	-	-		SAE "A" 82,55
1	03953800	-	-	1	1		SAE "A" 82,55
2	03976200	1	1	-	-		SAE "B" 101,6
2	03953600	-	-	1	1		SAE "B" 101,6
3	03976700	1	1	-	-		BOSCH 80
3	03953900	-	-	1	1		BOSCH 80
4	50055200	8	8	-	-		M 10 X 60 DIN 912-8.8
4	50054700	-	-	8	8		M 10 X 45 DIN 912-8.8
5	50342500	-	-	1	1		
6	50381400	-	-	1	1		M 12 X 1,5 DIN 936-17H
7	50003000	-	-	1	1		12 DIN 128
8	04022000	-	-	1	1		
9	-----	-	-	-	-		
10	-----	-	-	-	-		
11	50375300	1	1	1	1		46 X 2,5
12	04036000	1	1	1	1		
13	50017000	4	4	4	4		10,5 DIN 433-St
14	50054300	4	4	4	4		M 10 X 30 DIN 6912-8.8 A3C
15	04036200	1	1	1	1		
16	50019700	1	1	1	1		J 14 X 1 DIN 472
17	04035900	1	1	1	1		
18	03568000	1	1	1	1		
19	50095100	4	4	4	4		A 8 DIN 137 A3C
20	50175900	4	4	4	4		M 8 X 30 DIN 912-8.8

