



***For Your Convenience: This File Is
Shared By Diesel Parts Direct***



YOUR ONE STOP SUPERSTORE FOR DIESEL ENGINE PARTS

SHOP NOW

Motorenfabrik Hatz GmbH & Co. KG

Ernst-Hatz-Str. 16
94099 Ruhstorf a.d. Rott
Deutschland
Tel. +49 8531 319-0
Fax +49 8531 319-418
marketing@hatz-diesel.de
www.hatz-diesel.com

CREATING POWER SOLUTIONS.



1D90E.

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

Hatz Service

0000 437 007 00

34 - 12.2021 - 3

Printed in Germany

We reserve the right to make all
changes that serve technical
development.



CREATING POWER SOLUTIONS.

www.HATZ-DIESEL.com



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

①	TYPE / SPEC. / FDT
②	SERIAL NO.
③	MIN ⁻¹

Nearest HATZ service station:

Nächste HATZ-Servicestelle:

Station-service HATZ la plus proche:

Servicio HATZ más cercano:

Più vicino centro di servizio HATZ:

www.hatz-diesel.com

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

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

1 D 90 E.10 □ (185 10)

Example: / Beispiel: / Exemple: / Ejemplo: / Esempio: **182 10 21 123456**

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

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

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

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

0000 020 596 00

Labels 1D30-1D90 DOC
Schilder 1D30-1D90 DOC
Plaques Entretien
Placas Indicadora
Labels 1D30-1D90 DOC

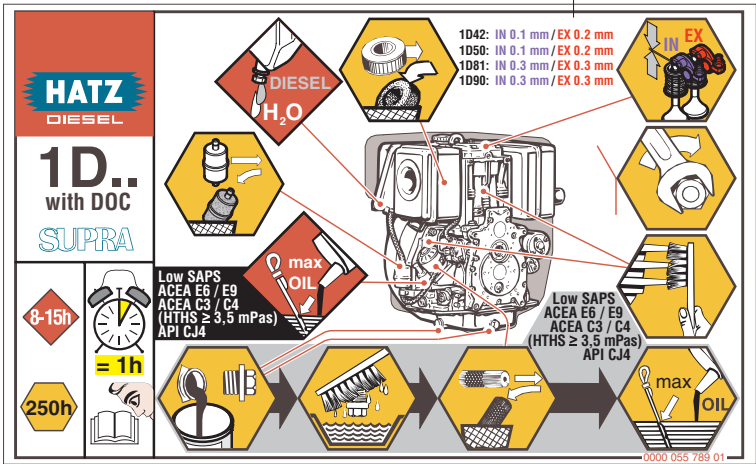
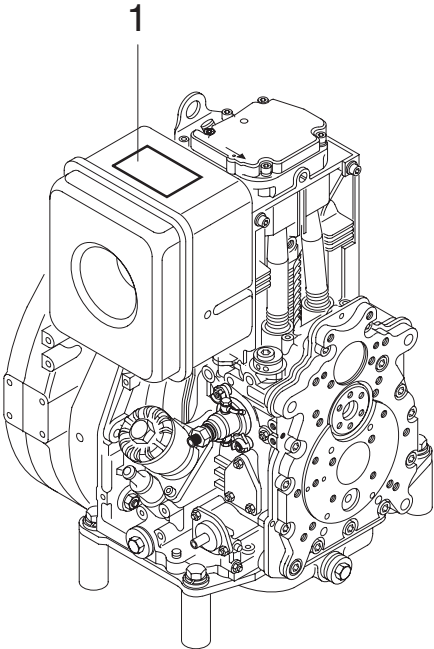
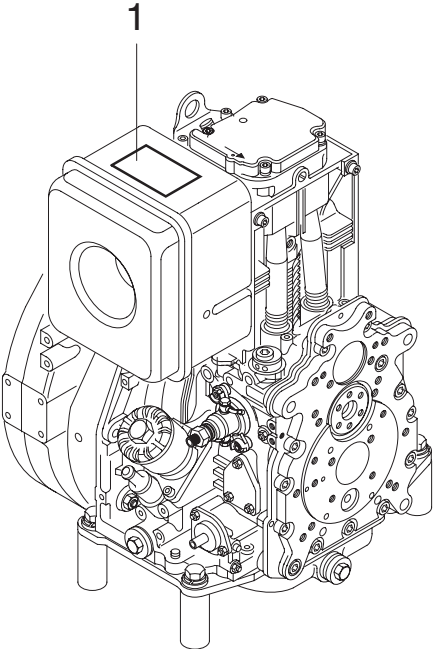


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 055 789 01	1		

Sealing- and bonding adhesives Dicht- und Klebstoffe Etanchéifiant et Colle			Materias para empaquetar y pegar Adesivi e collanti	
A =	0000 502 230 01	Loctite Activator N	500 ml	as specified in the individual tables siehe Hinweis auf den einzelnen Bildtafeln
B =	0000 502 231 01	Loctite 574	50 ml	
C =	0000 502 232 00	Loctite 601	50 ml	
D =	0000 700 189 18	Loctite 243	50 ml	
E =	0000 502 234 00	Loctite 648	10 ml	
F =	0000 502 238 00	Technicoll 8058	0,75 kg	suivant les remarques sur les tableau correspondant
+ G =	0000 502 239 00	Technicoll 8367	0,75 kg	
H =	0000 502 565 01	Loctite IS 407	20 g	según las indicaciones de las tablas correspondientes
J =	0000 502 830 04	Hochtemp. Paste	100 ml	
K =	0000 503 426 01	Hochtemp. Fett	400 g	seguire le indicazioni sul quadro corrispondente
L =	0000 502 566 00	Silicon sealer	100 g	
M =	0000 504 851 00	Schleifpaste	80 g	
N =	0000 700 218 15	Loctite 5910	300 ml	

0000 012 762 00

Labels
Schilder 1D30-1D90
Plaques Entretien
Placas Indicadora
Labels



1

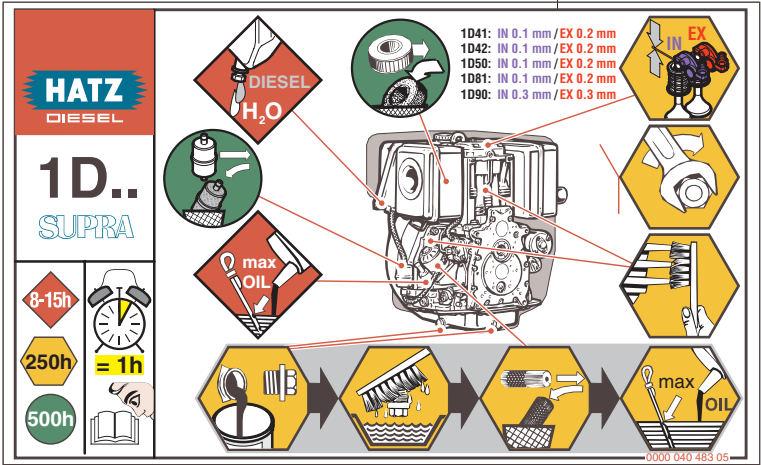


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 483 05	1		

Sticker low sulfur fuel
Aufkleber Kraftstoff
Etiquette „Carburant“
Etiqueta „Combustible“
„Etichetta „Carburan“



—

0000 020 748 03

Crankcase 1D90E
Kurbelgehäuse 1D90E
Carter moteur 1D90E
Caja Ciguenal 1D90E
Basamento 1D90E

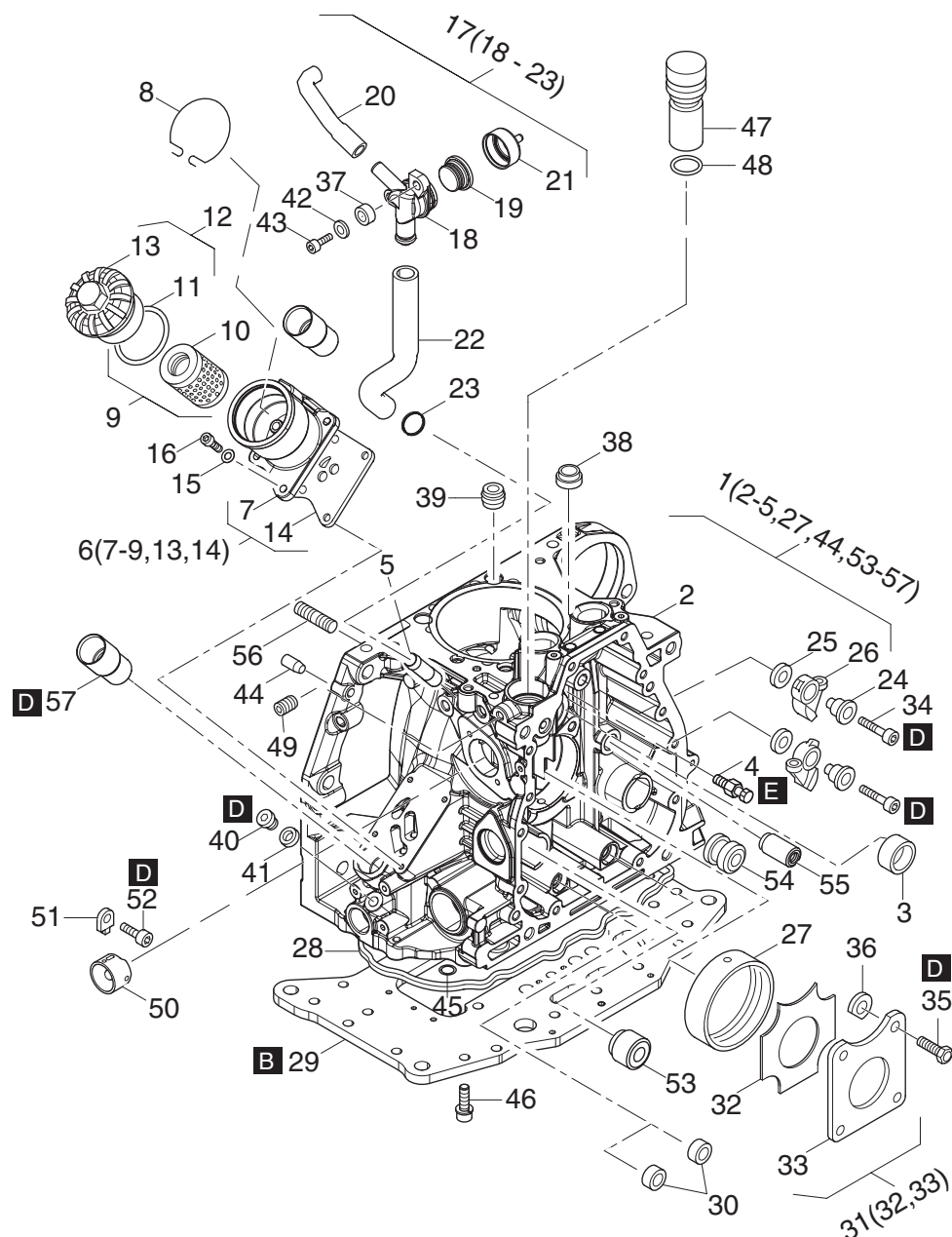


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 021 459 00	1		
2	-----	-		
3	0000 037 938 01	1		
4	0000 037 939 00	1		
5	-----	-		
6	0000 021 460 00	1		
7	-----	-		
8	0000 040 840 01	1		
9	0000 014 800 01	1		
10	-----	-		
11	0000 503 292 00	1		50 x 55 x 3
12	0000 012 489 01	1		
13	-----	-		
14	0000 050 689 00	1		
15	0000 500 812 00	1... 5		A 6 DIN 137 - A3B
16	0000 501 706 00	1... 5		M 6 x 20 DIN 912-8.8A3B
17	0000 013 170 00	1		
18	-----	-		
19	0000 035 687 01	1		
20	0000 040 748 00	1		
21	0000 040 803 00	1		
22	0000 040 747 00	1		
23	0000 040 905 00	1		
24	0000 037 942 01	2		
25	0000 037 941 00	2		10,1 x 22 x 3
26	0000 037 943 00	2		
27	0000 037 937 10	1		
28	0000 037 951 00	1		265 x 269,4 x 3,6
29	0000 012 488 10	1		
30	0000 037 958 00	2		12 x 18,3 x 7,3
31	0000 022 280 00	1		
32	-----	-		
33	-----	-		
34	0000 505 455 01	2		M 6 x 30 DIN 912-10.9 KL 360
35	0000 040 620 10	4		M 9 x28
36	0000 040 694 00	0... 4		0,90 mm
36	0000 040 695 00	0... 4		1,05 mm
37	0000 040 805 01	2		7 x 8 x 9
38	0000 040 845 00	2		
39	0000 504 598 02	2		
40	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3B
41	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
42	0000 500 812 00	2		A 6 DIN 137 - A3B
43	0000 501 707 00	2		M 6 x 16 DIN 912-8.8A3B
44	0000 502 491 02	4		8 M6 X 20 2FASEN
45	0000 503 290 00	2		9,5 x 2,5
46	0000 504 176 00	22		M 8 X 25 Z4 DIN 912-8.8 A3B
47	0000 188 169 00	1		
48	0000 503 289 00	1		22 x 1,6

0000 020 748 03

Crankcase 1D90E
Kurbelgehäuse 1D90E
Carter moteur 1D90E
Caja Ciguenal 1D90E
Basamento 1D90E

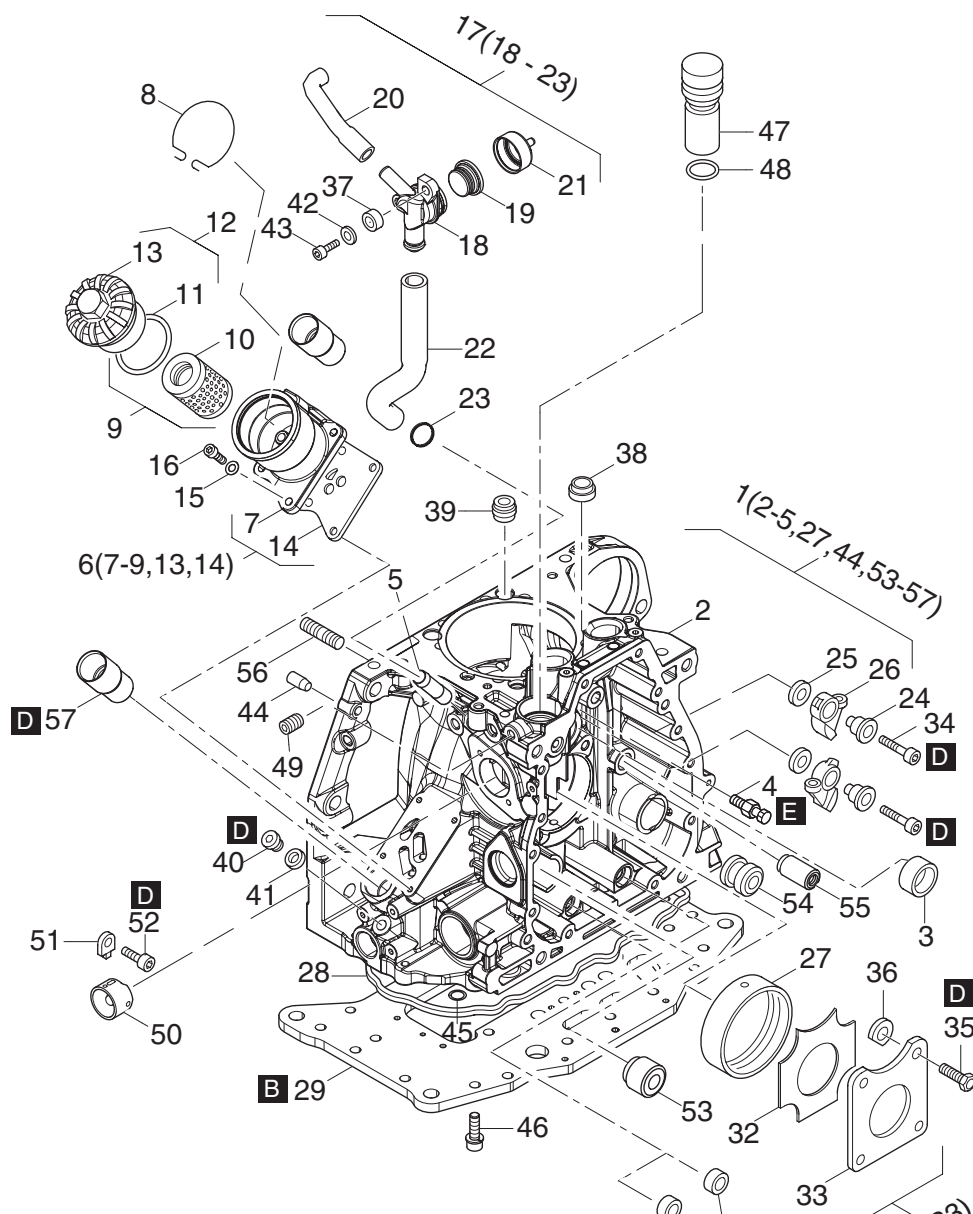


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
49	0000 500 046 00	1		M 8 X 16 DIN 916-45H A3B
50	0000 504 929 02	1		
51	0000 041 692 00	1		
52	0000 500 507 00	1		M 6 x 16 DIN 912-8.8
53	0000 037 940 00	1		ø 22 mm
54	0000 040 008 00	1		ø 22 mm
55	0000 041 050 00	1		ø 15 mm
56	0000 506 029 01	8		M 8 x 22 DIN 835-10.9 Precote 5
57	0000 040 792 00	1		

0000 020 747 00

Closing Screw M10X1
Verschlusschraube M10X1
Vis Fermet. M10X1
Torn.Cierre M10X1
Clos.Screw M10X1

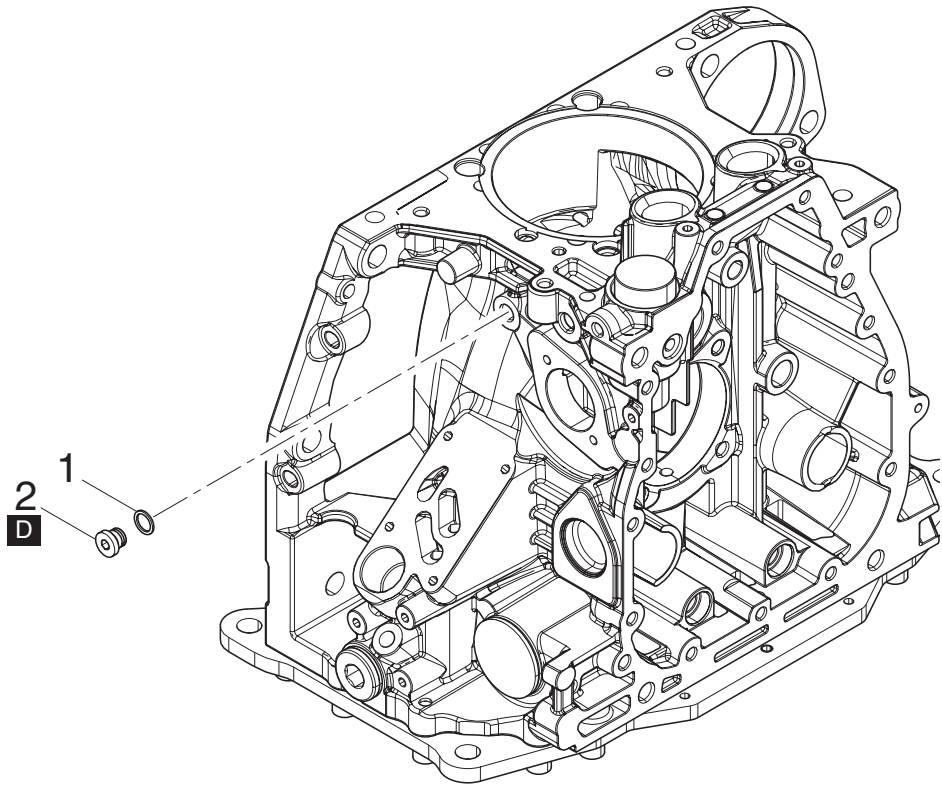


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
2	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3B

0000 020 742 00

Plug crankcase without balance
Stopfen Kg ohne Massenausgleich
Plug crankcase without balance
Plug crankcase without balance
Plug crankcase without balance

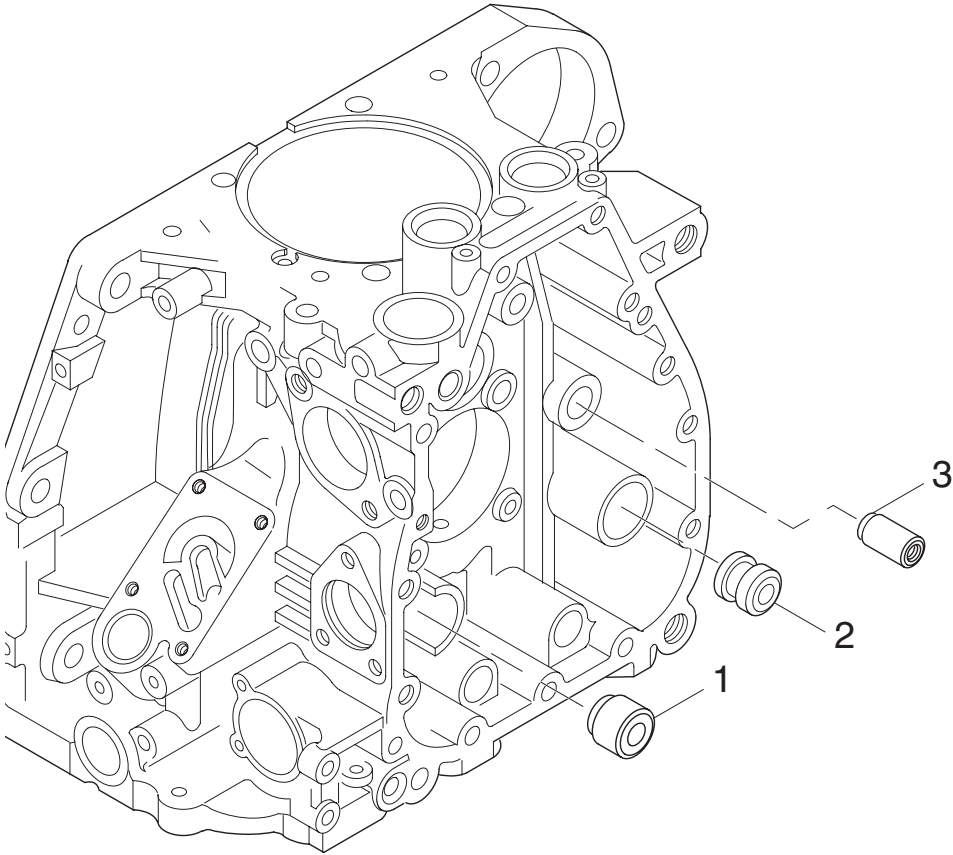


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 037 940 00	1		ø 22 mm
2	0000 040 008 00	1		ø 22 mm
3	0000 041 050 00	1		ø 15 mm

0000 012 445 02

Oil relief valve
Ölüberdruckventil
Soupap. Surpes.Huil
Valvula De Presion
Oil Relief Valve

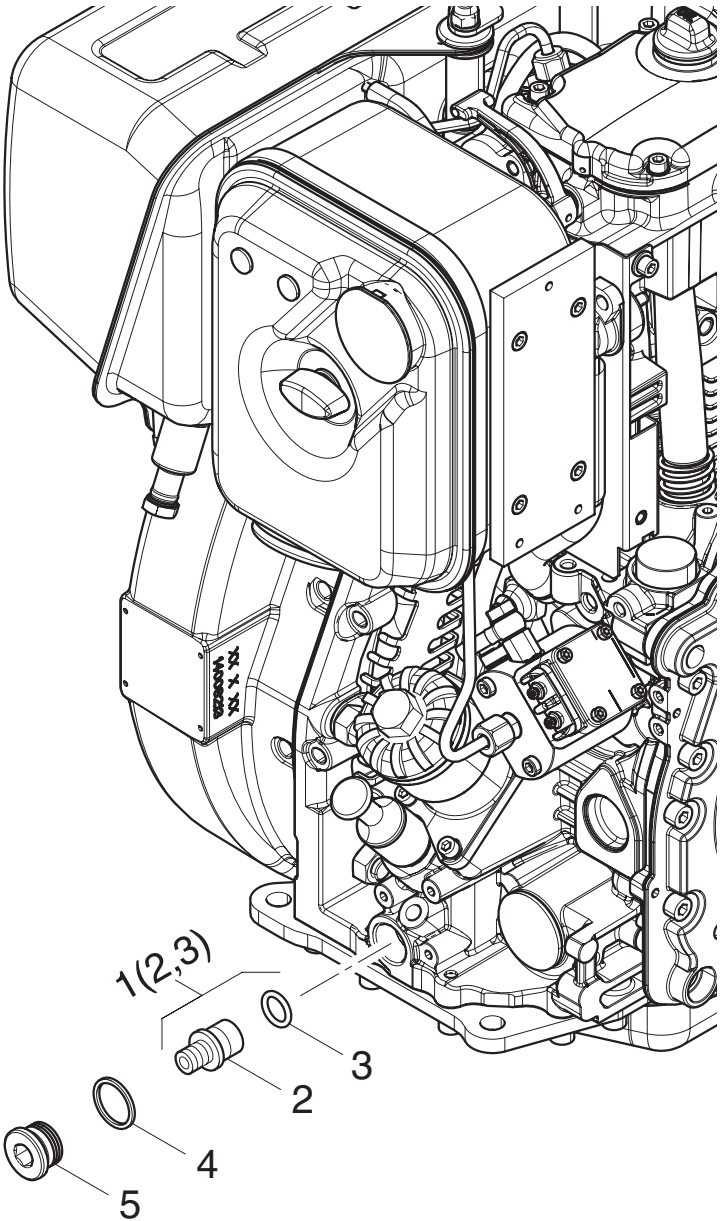


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 013 211 00	1		
2	-----	-		
3	0000 504 604 00	1		18 x 2
4	0000 502 864 00	1		A 24 x 29 DIN 7603-Cu
5	0000 040 111 10	1		

0000 020 886 00

Closing plug M12X1,5
Verschlusschraube M12X1,5
Bouchones De Vidange M12X1,5
Tornillos De Cierre M12X1,5
Tappo Chiusura M12X1,5

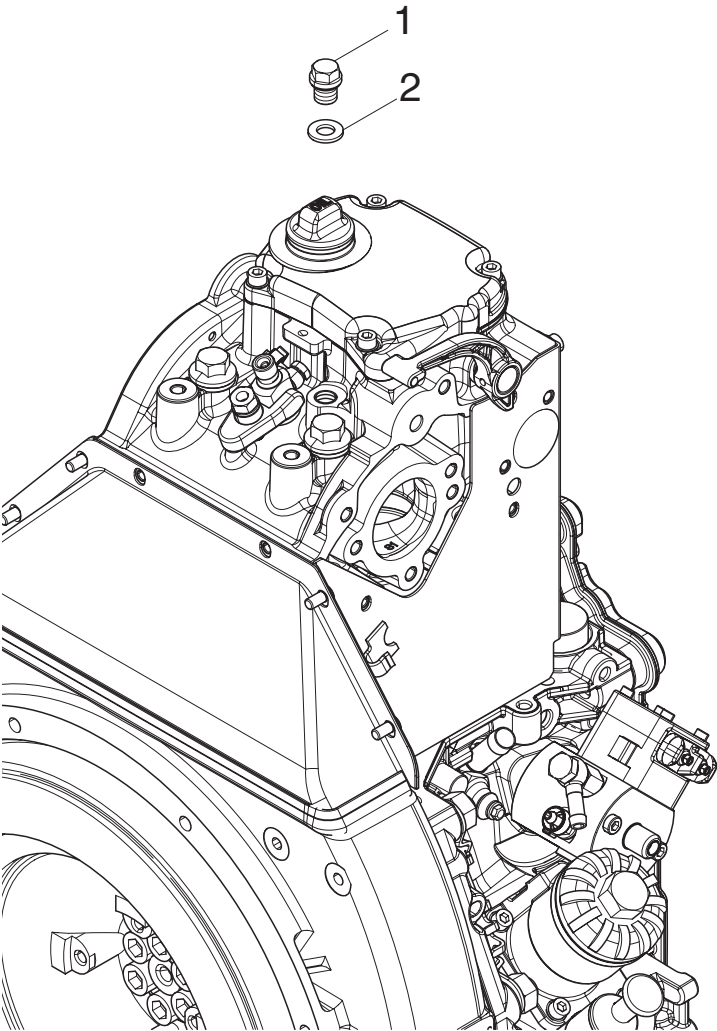


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 502 214 00	1		M 12 x 1,5 DIN 910-St A3B
2	0000 500 011 00	1		A 12 x 15,5 DIN 7603-Cu

0000 020 765 00

Dipstick
Tauchstab standard
Jauge
Varilla De Aceite
Asta

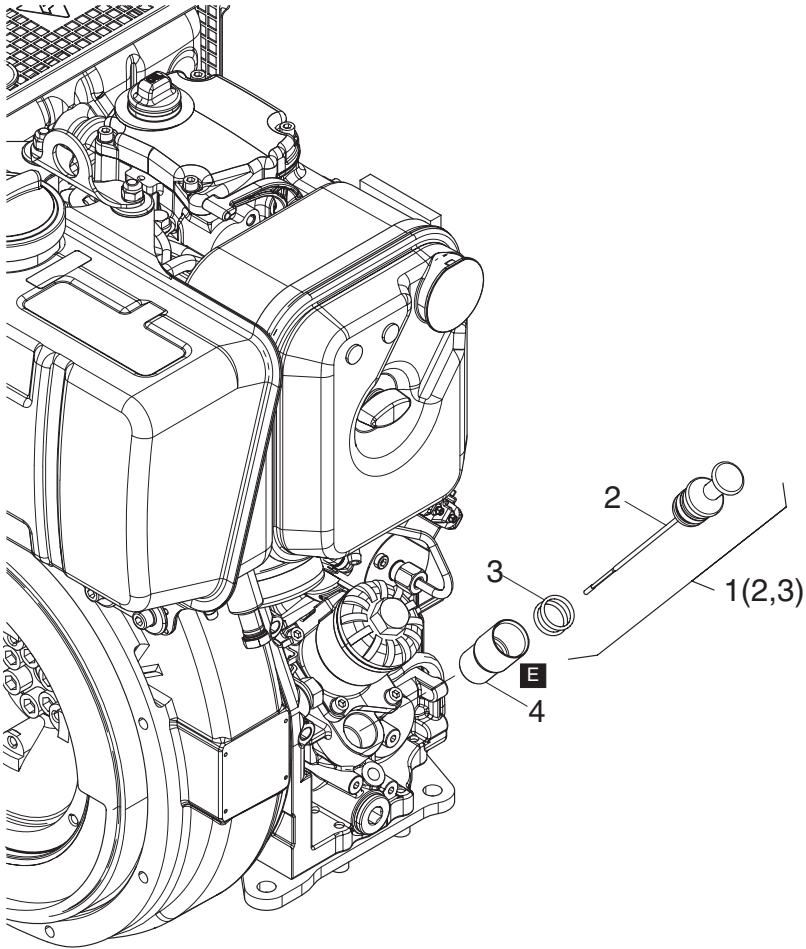


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 415 00	1		
2	-----	-		
3	0000 503 597 00	2		20,29 x 2,62
4	0000 037 948 00	1		

0000 020 756 00

Dipstick screwed
Tauchstab geschraubt
Jauge Visse
Varilla De Aceite Roscado
Asta

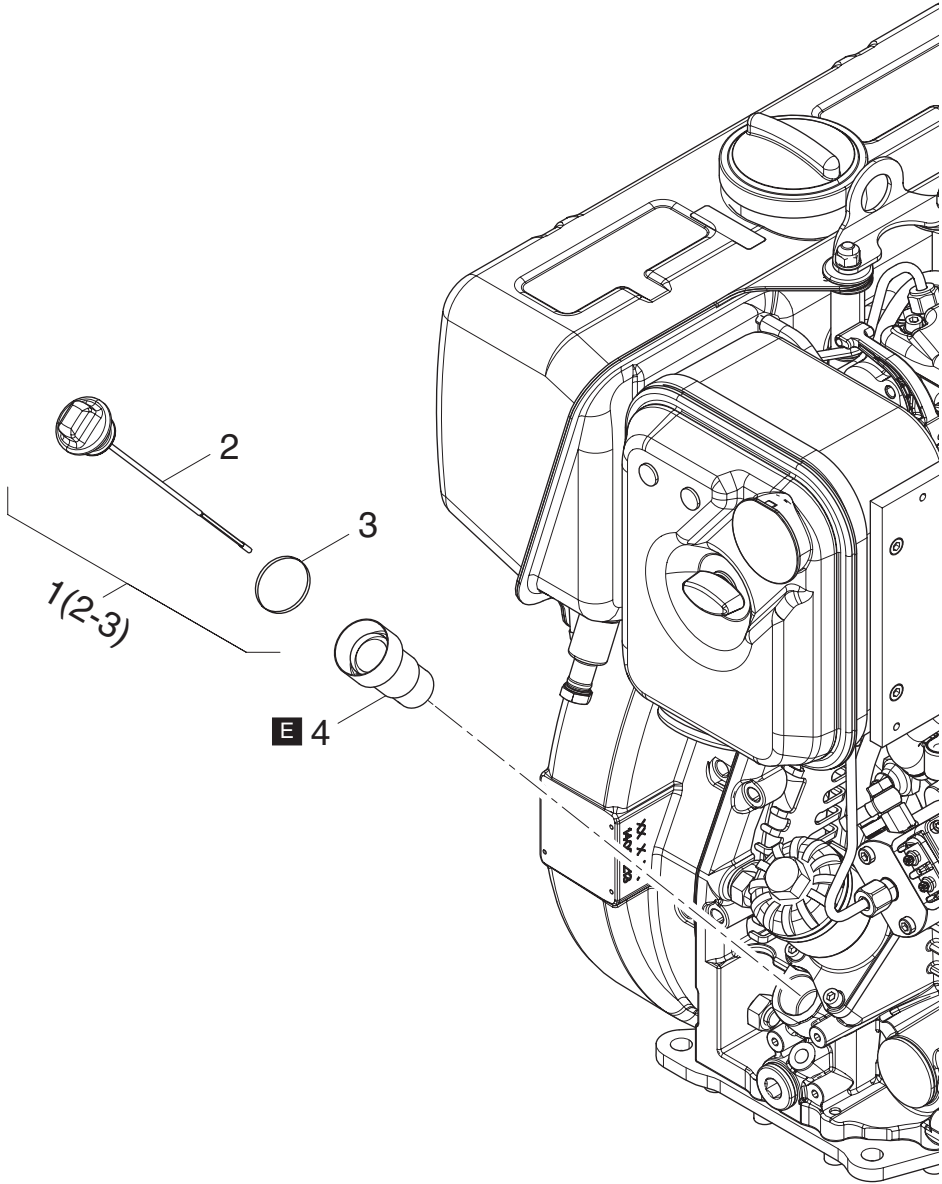


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 025 901 00	1		
2	-----	-		
3	0000 041 250 00	1		26 x 35 x3
4	0000 056 588 00	1		

0000 020 868 00

Dipstick high
Tauchstab hochgezogen
Jauge
Varilla De Aceite
Dipstick high

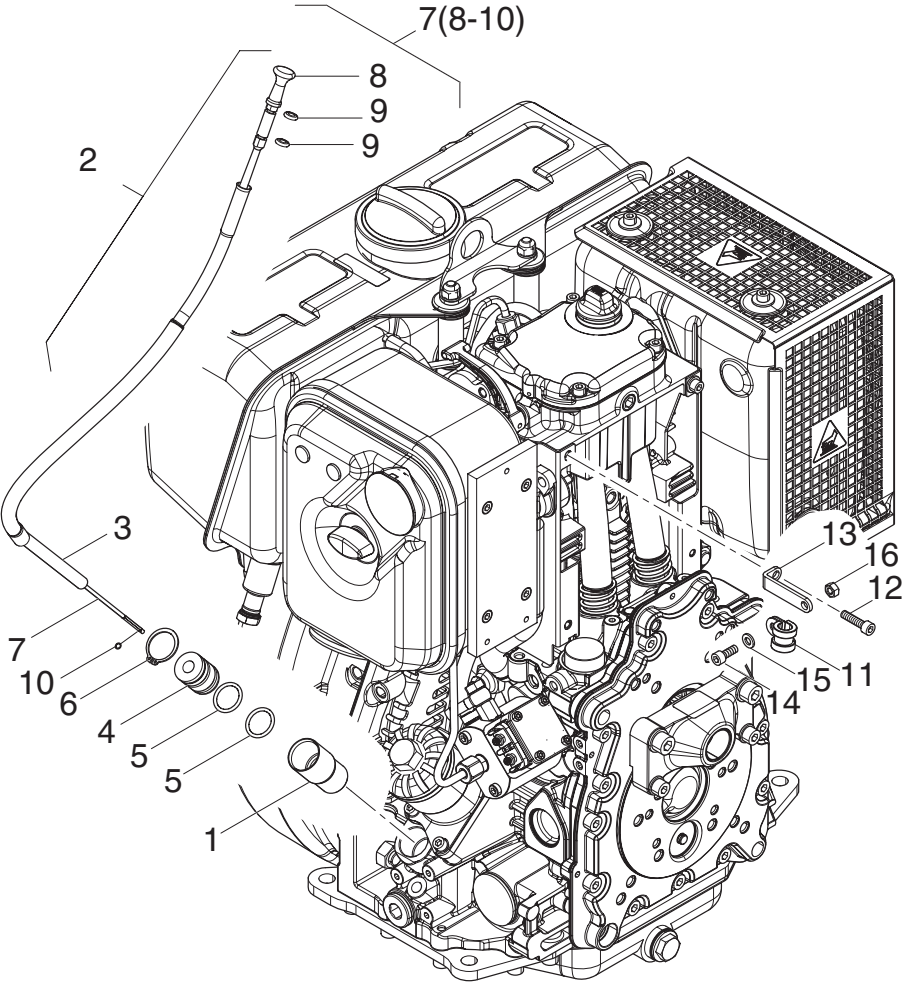


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 037 948 00	1		
2	0000 015 070 10	1		
3	-----	-		
4	-----	-		
5	0000 503 597 00	2		20,29 x 2,62
6	0000 500 205 00	1		DIN 471
7	0000 014 098 10	1		
8	-----	-		
9	0000 400 220 00	2		5 x 2
10	0000 502 025 02	1		3,0 x 1,6
11	0000 501 735 00	1		10 / 15
12	0000 501 708 00	1		M 6 x 25 DIN 912-8.8A3B
13	0000 039 382 00	1		
14	0000 501 707 00	1		M 6 x 16 DIN 912-8.8A3B
15	0000 501 445 00	1		6,4 DIN 125-St A3B
16	0000 501 444 00	1		M 6 DIN 934 - 8 A3B

0000 020 758 00

Oil sump 1D90E
Ölwanne Standard 1D90E
Carter D'Huile 1D90E
Carter Aceite 1D90E
Coppa Olio 1D90E

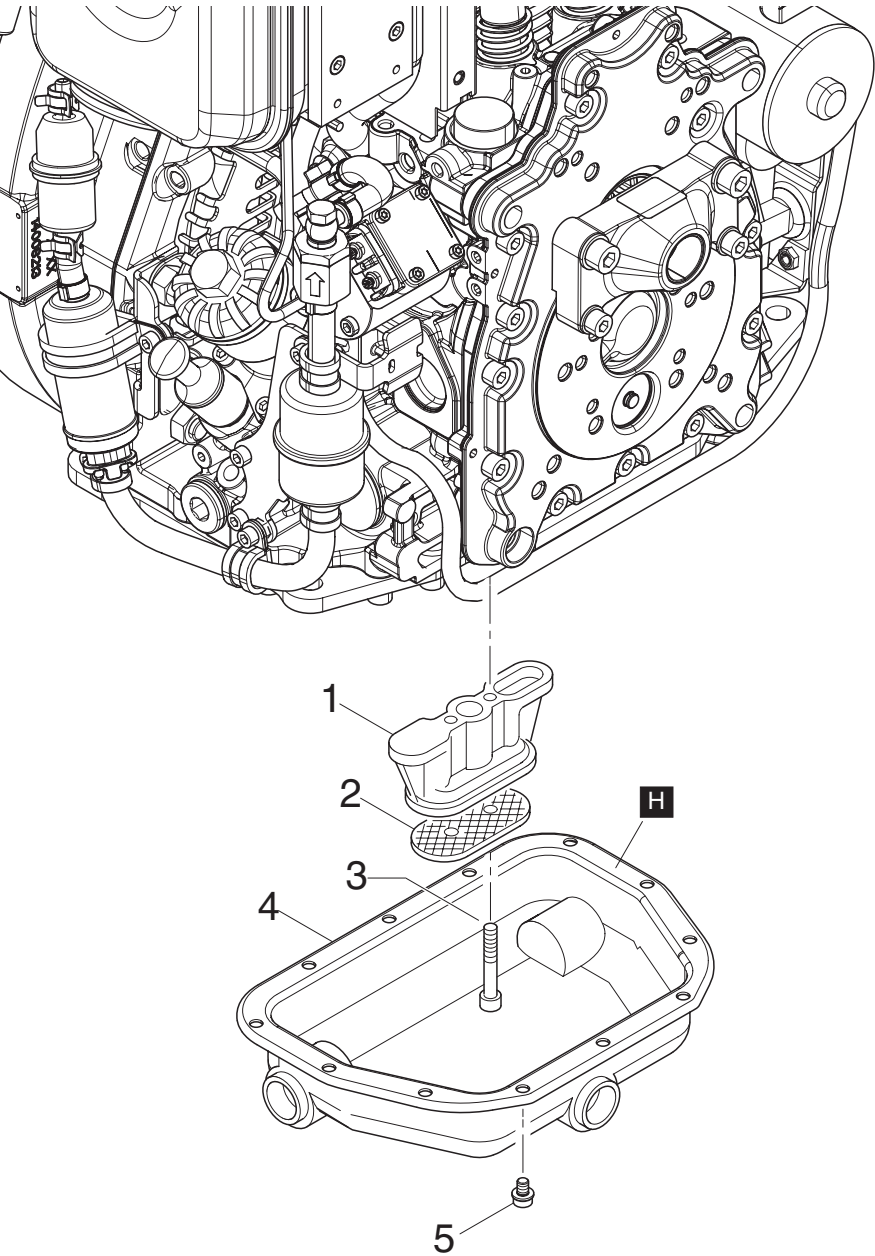


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 037 949 00	1		
2	0000 037 950 00	1		
3	0000 503 271 00	2		M 6 X 50 DIN 6912-8.8 A3B
4	0000 020 757 00	1		
5	0000 056 262 00	12		M 6X 8 8.8 A3K

0000 020 754 00

Oil sump 2,2 Ltrs
Ölwanne 2,2L
Carter D'Huile 2,2L
Carter Aceite 2,2L
Oil sump 2,2 Ltrs

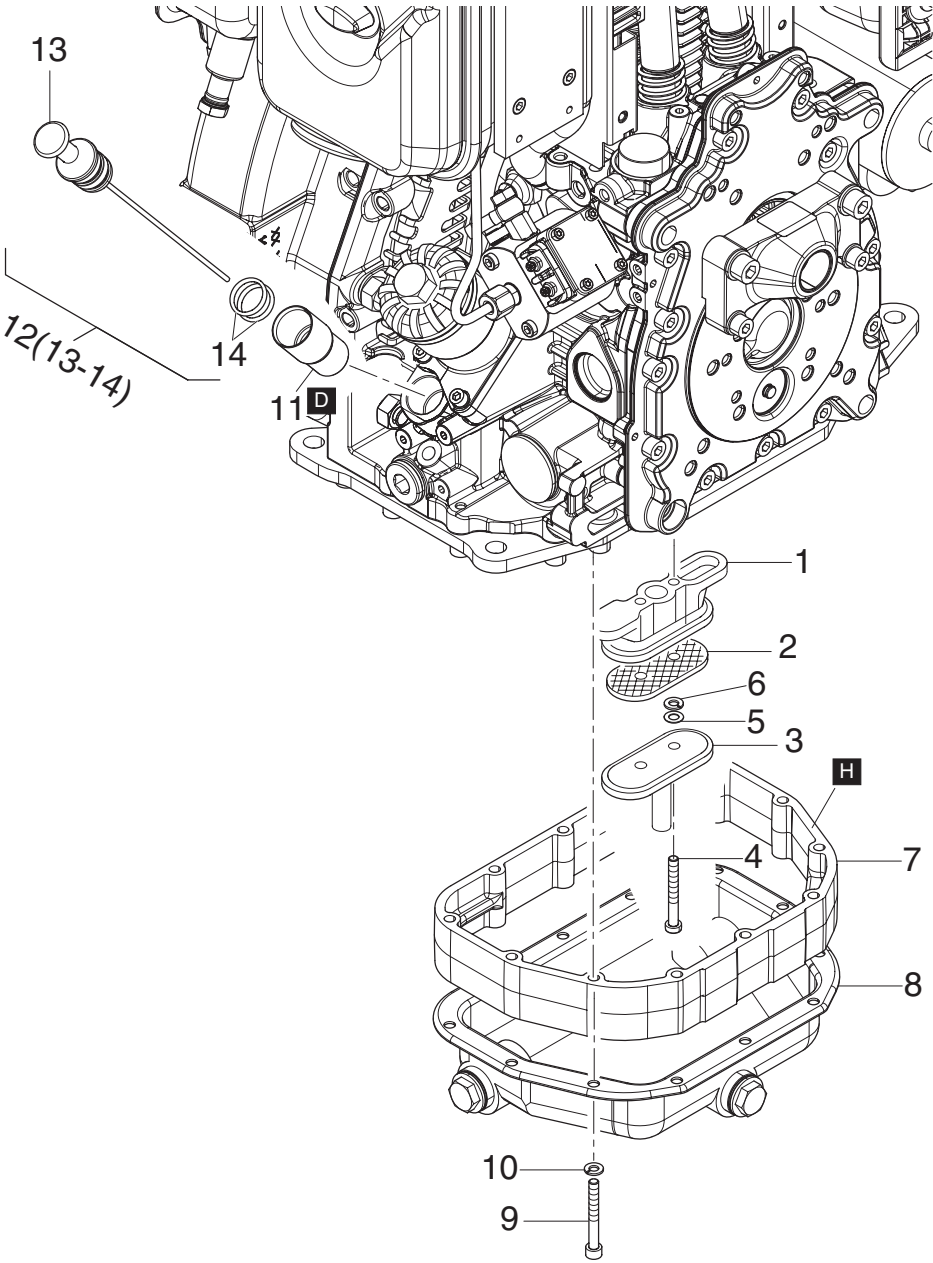


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 233 00	1		
2	0000 037 950 00	1		
3	0000 014 467 00	1		
4	0000 503 271 00	2		M 6 X 50 DIN 6912-8.8 A3B
5	0000 500 812 00	2		A 6 DIN 137 - A3B
6	0000 501 709 00	2		6 DIN 128 - A3B
7	0000 050 063 00	1		
8	0000 020 757 00	1		
9	0000 503 420 00	12		M 6 X 50 DIN 912-8.8 A3B
10	0000 501 709 00	12		6 DIN 128 - A3B
11	0000 037 948 00	1		
12	0000 014 474 00	1		
13	-----	-		
14	0000 503 597 00	2		20,29 x 2,62

0000 020 755 00

Oil sump 3,5 Ltrs.
Ölwanne 3,5L
Carter D'Huile 3,5L
Carter Aceite 3,5L
Coppa Olio 3,5 L.

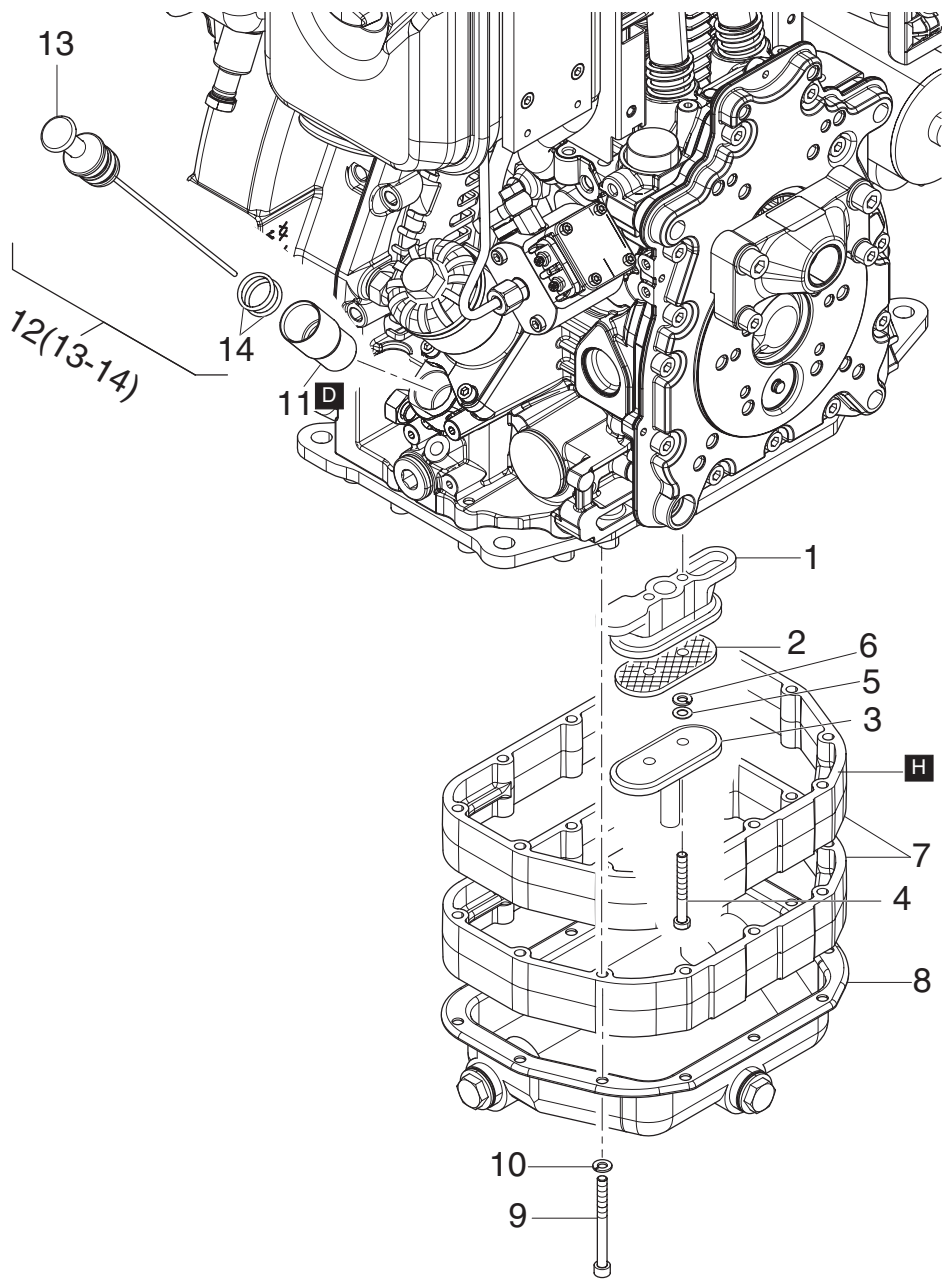


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 233 00	1		
2	0000 037 950 00	1		
3	0000 014 467 00	1		
4	0000 503 271 00	2		M 6 X 50 DIN 6912-8.8 A3B
5	0000 500 812 00	2		A 6 DIN 137 - A3B
6	0000 501 709 00	2		6 DIN 128 - A3B
7	0000 050 063 00	2		
8	0000 020 757 00	1		
9	0000 504 022 00	12		M 6 X 90 DIN 912-8.8 A3B
10	0000 501 709 00	12		6 DIN 128 - A3B
11	0000 037 948 00	1		
12	0000 014 639 00	1		
13	-----	-		
14	0000 503 597 00	2		20,29 x 2,62

0000 020 897 00

Closing plugs for oil sump
Verschlusschrauben Ölwanne
Bouchones De Vidange P.Carter Huile
Tornillos De Cierre P. Cubeta De Aceite
Tappo Chiusura Pompa Olio

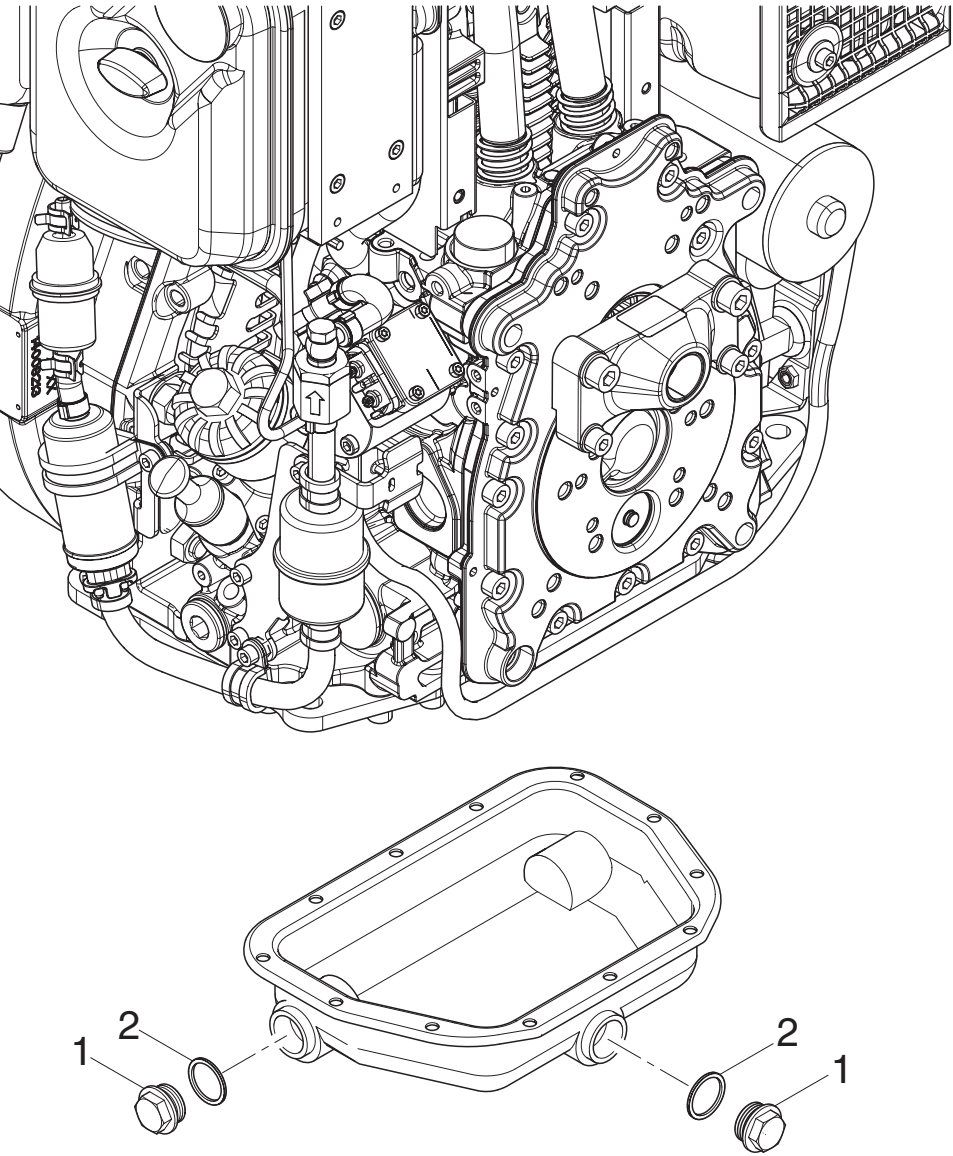


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 501 404 00	2		AM22x1,5DIN7604-5.8A3B
2	0000 500 016 00	2		A 22 x 27 DIN 7603 Cu

0000 020 896 00

Oil drain valve 69mm
Ölablassventil 69mm
Soupape Vid.Huile 69Mm
Valvula Sal.Aceite 69Mm
Valvola Drenaggio 69Mm

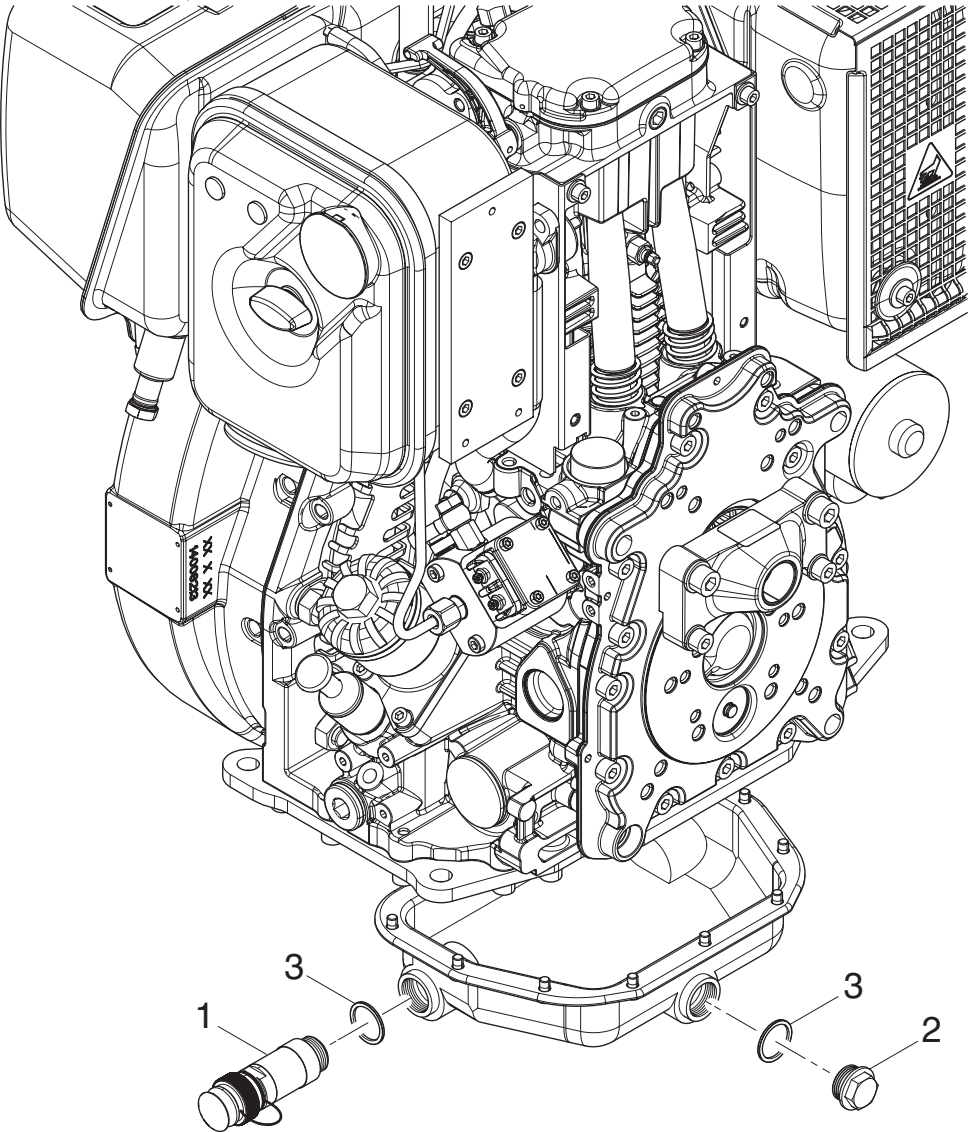


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 502 858 03	1		
2	0000 501 404 00	1		AM22x1,5DIN7604-5.8A3B
3	0000 500 016 00	2		A 22 x 27 DIN 7603 Cu

0000 020 884 00

Oil drain valve
Ölablassstutzen (Kunde)
Soupape Vid.Huile
Valvula Sal.Aceite
Valvola Drenaggio

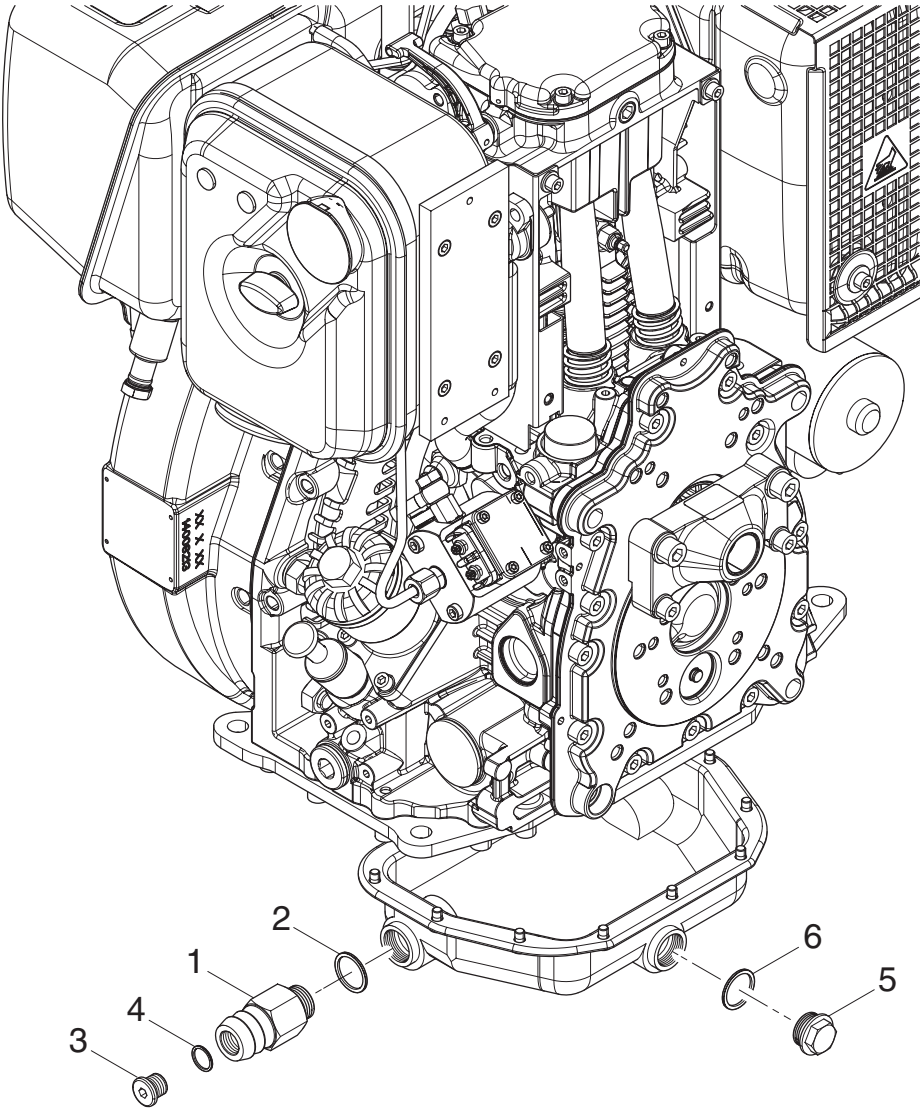


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 505 427 00	1		
2	0000 505 428 00	1		
3	0000 501 435 00	1		M 14 x 1,5 DIN 908 A3B
4	0000 505 429 00	1		
5	0000 501 404 00	1		AM22x1,5DIN7604-5.8A3B
6	0000 500 016 00	1		A 22 x 27 DIN 7603 Cu

0000 021 014 00

Oel drain hose customer 1D90E
Ölablassschlauch Kunde 1D90E
Tube Vidange Huile Client 1D90E
Tubo De Purga Aceite Cliente 1D90E
Oel drain hose customer 1D90E

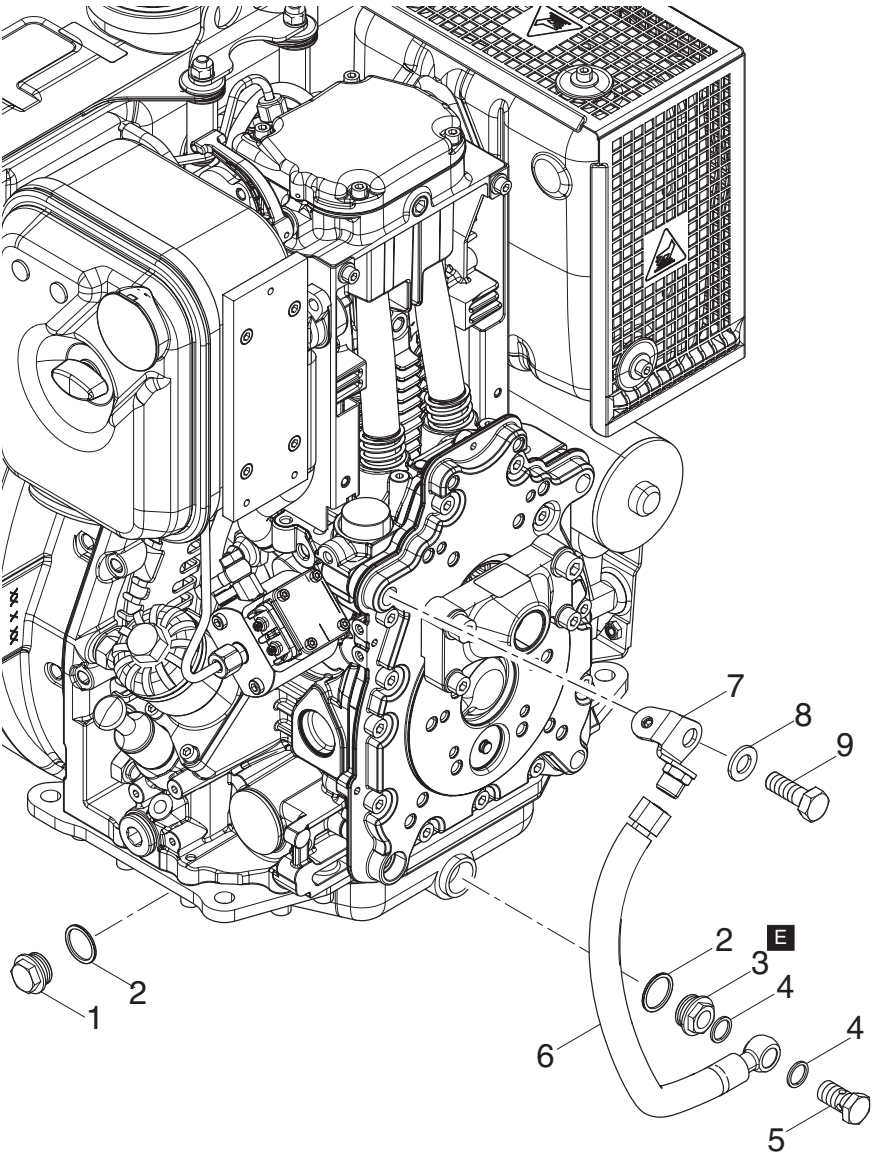


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 501 404 00	0		AM22x1,5DIN7604-5.8A3B
2	0000 500 016 00	1... 2		A 22 x 27 DIN 7603 Cu
3	0000 050 669 00	1		
4	0000 500 012 00	1		A 14 x 18 DIN 7603-Cu
5	0000 500 064 00	2		10-3 DIN 7643
6	0000 016 877 02	1		
7	0000 016 873 00	1		
8	0000 500 937 00	1		13 DIN 125-St A3B
9	0000 500 313 01	1		

0000 012 418 01

Crankshaft
Kurbelwelle
Vilebrequin
Ciguenal
Albero Motore

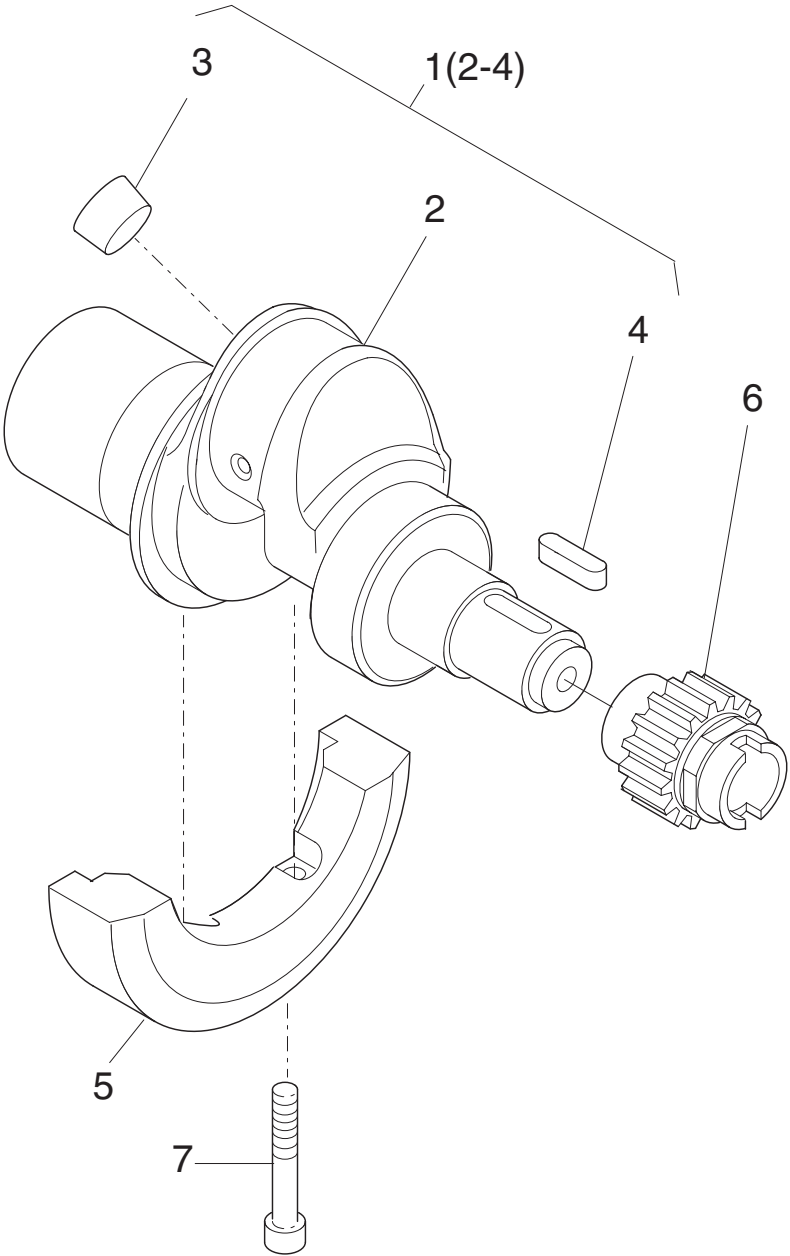


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 698 20	1		
2	-----	-		
3	0000 500 872 00	1		28 DIN 443
4	0000 503 626 00	1		A 6 x 4 x 32 DIN 6885 St 60
5	0000 037 960 00	1		
6	0000 042 182 01	1		
7	0000 500 550 01	2		M10 X 50 DIN 912-12.9

0000 012 562 01

Crankshaft 2 SAE
Kurbelwelle Wellenstummel 2 SAE
Vilebrequin 2 SAE
Ciguenal 2 SAE
Albero Motore 2 SAE

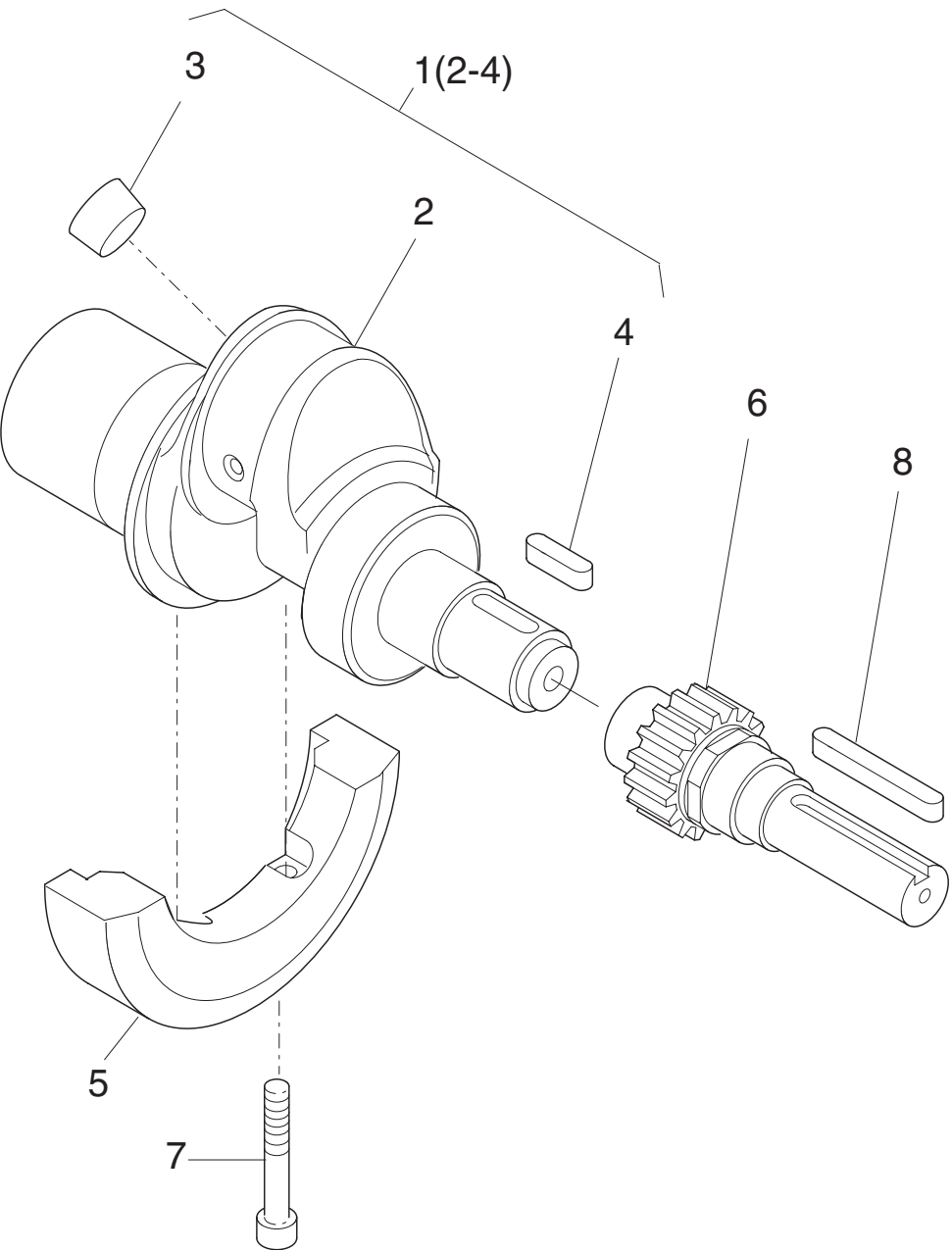


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 698 20	1		
2	-----	-		
3	0000 500 872 00	1		28 DIN 443
4	0000 503 626 00	1		A 6 x 4 x 32 DIN 6885 St 60
5	0000 037 960 00	1		
6	0000 040 231 21	1		SAE ...2 ø 1" zyl., cyl.
7	0000 500 550 01	2		M10 X 50 DIN 912-12.9
8	0000 051 416 00	1		A 6,35 x 61

0000 012 560 01

Crankshaft 3
Kurbelwelle Wellenstummel 3
Vilebrequin 3
Ciguenal 3
Crankshaft 3

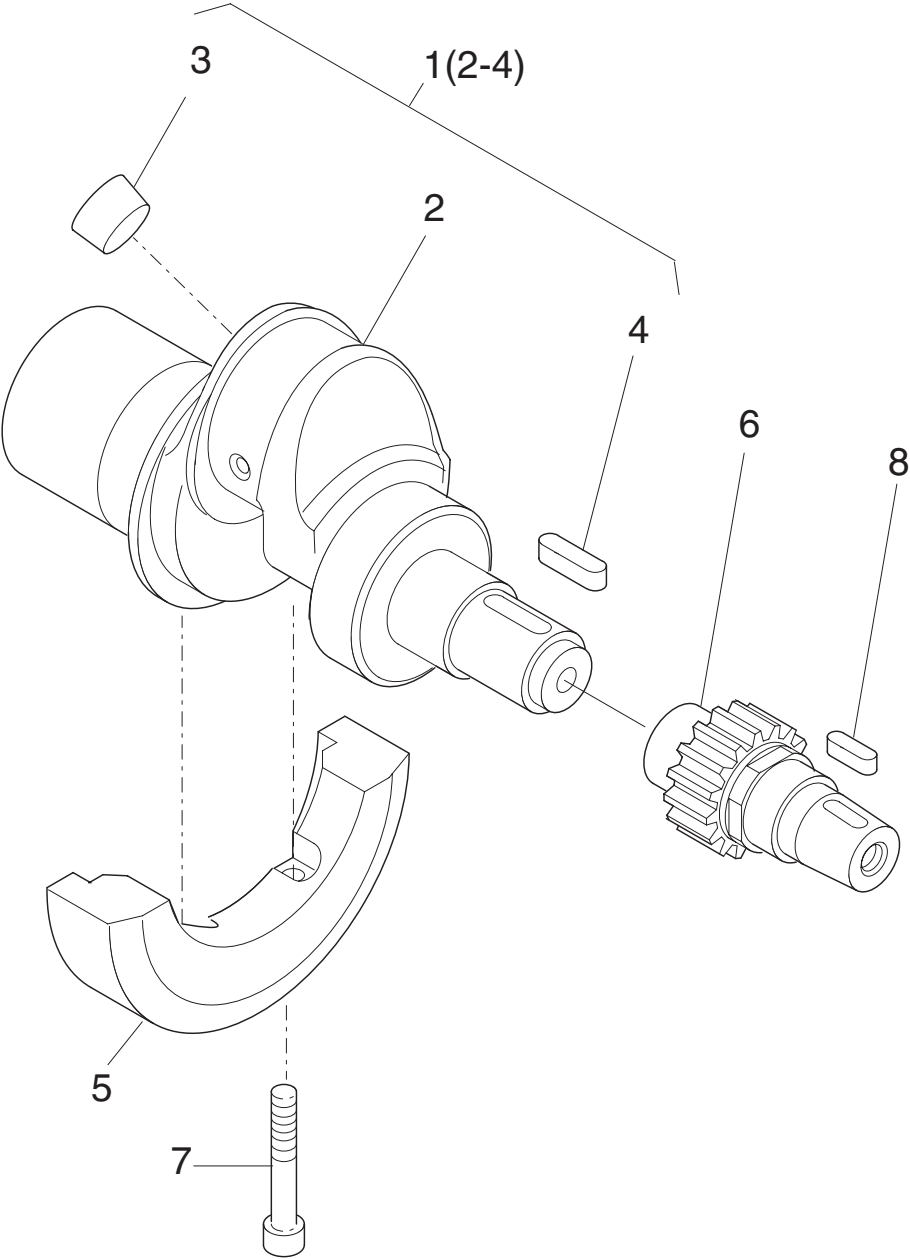
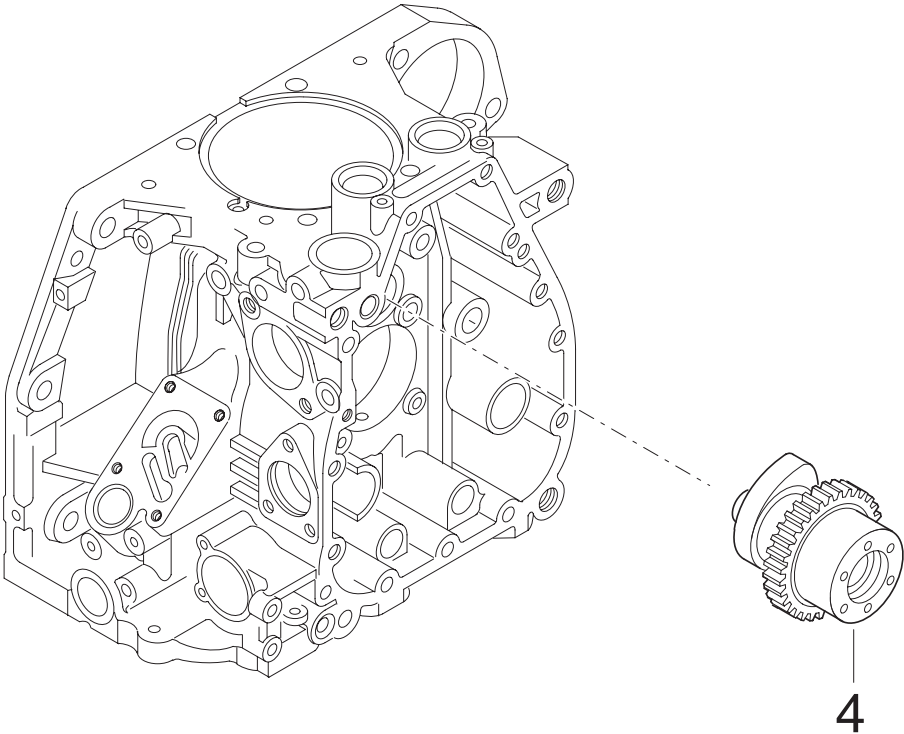


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 698 20	1		
2	-----	-		
3	0000 500 872 00	1		28 DIN 443
4	0000 503 626 00	1		A 6 x 4 x 32 DIN 6885 St 60
5	0000 037 960 00	1		
6	0000 040 229 11	1		
7	0000 500 550 01	2		M10 X 50 DIN 912-12.9
8	0000 500 178 00	1		4 x 6,5 DIN 6888

0000 043 440 01

Camshaft 1D81/90 DOC
Nockenwelle 1D81/1D90 DOC
Arbre A Cames 1D81/90 DOC
Arbol De Leva. 1D81/90 DOC
Albero A Cam. 1D81/90 DOC

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1D90E		
4	0000 043 440 01	1		



0000 020 745 00

Counter balance
Massenausgleich
Equil.Des Masses
Compensacion Masas
Equilibratore

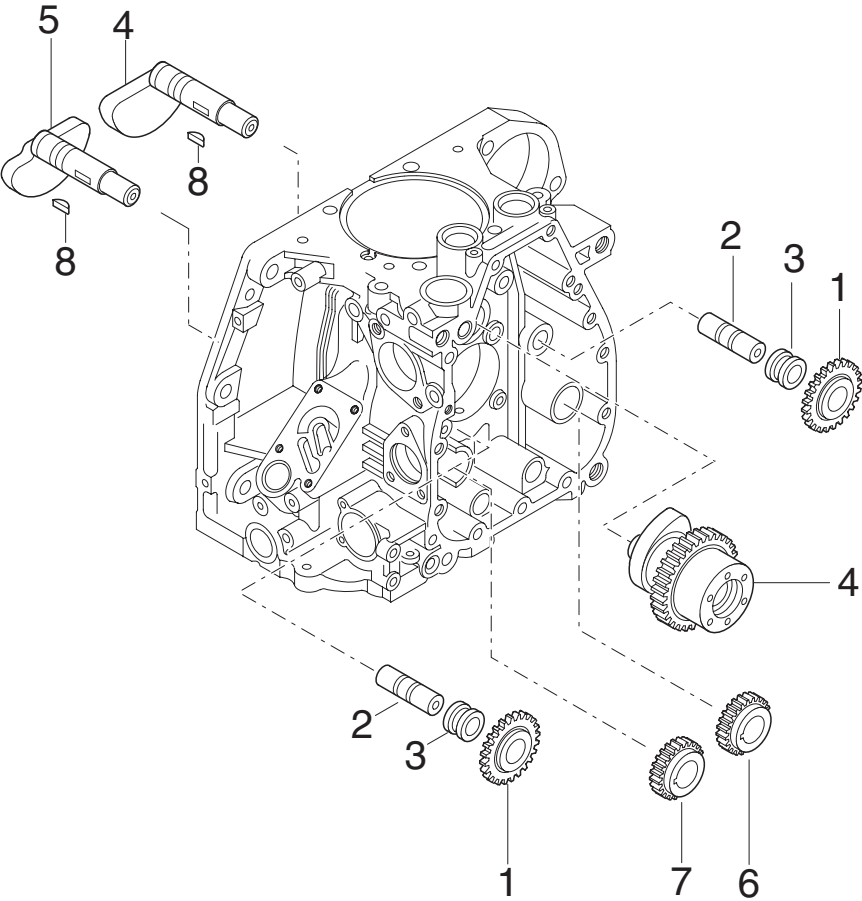


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 420 00	2		
2	0000 037 964 01	2		
3	0000 037 965 00	2		
4	0000 037 966 10	1		
5	0000 037 967 10	1		
6	0000 037 968 01	1		
7	0000 037 969 01	1		
8	0000 503 249 00	2		3 x 3,7 DIN 6888 St 60

Piston and conrod
Kolben und Pleuelstange
Piston Et Bielle
Embolo Y Biela
Piston and conrod

51

0000 020 959 01

Cylinder head S/Z 1D90E
Zylinderkopf S/Z 1D90E
Culasse S/Z 1D90E
Culata S/Z 1D90E
Cylinder Head S/Z 1D90E

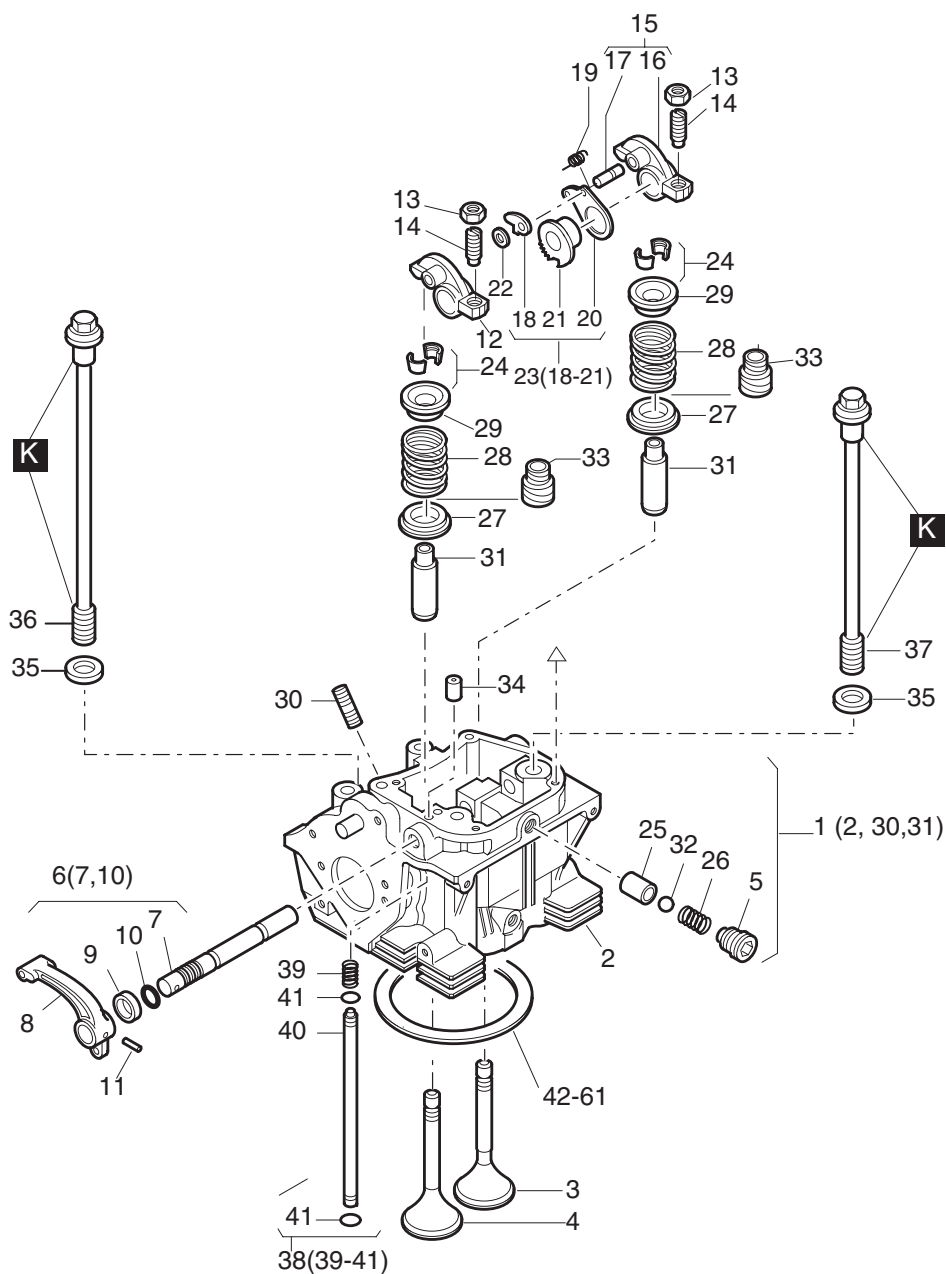


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 021 461 00	1		
2	-----	-		
3	0000 040 911 01	1		
4	0000 040 910 02	1		
5	0000 012 452 00	1		
6	0000 014 689 21	1		
7	-----	-		
8	0000 040 098 10	1		
9	0000 040 489 00	1		12 x 18 x 5
10	0000 400 224 01	1		8 x 2 FPM 75 MOLYKOT.
11	0000 500 347 00	1		4 x 22 ISO 8752-ST
12	0000 040 037 10	1		
13	0000 031 731 00	2		M 8X1
14	0000 037 830 00	2		
15	0000 012 850 10	1		
16	-----	-		
17	-----	-		
18	0000 033 657 10	1		
19	0000 033 660 01	1		
20	0000 037 784 01	1		
21	-----	-		
22	0000 501 172 00	1		RA 4ME DIN 6799
23	0000 015 576 00	1		
24	0000 022 522 00	2		
25	0000 040 047 01	1		
26	0000 040 048 00	1		
27	0000 040 052 01	2		
28	0000 041 520 00	2		
29	0000 040 054 02	2		
30	0000 500 384 00	1		M 8 x 35 DIN 835-8.8 A3B
31	0000 040 087 12	2		
32	0000 501 238 00	1		7 mm III DIN 5401
33	0000 506 349 00	2		
34	0000 041 043 00	1		(ø 8 mm)
35	0000 034 575 00	4		12,5 x 24 x 2,5
36	0000 040 032 01	2		305 mm
37	0000 040 033 01	2		258 mm
38	0000 012 697 00	1		
39	0000 040 042 00	1		
40	-----	-		
41	0000 503 301 00	2		4 x 1,2
42	0000 041 193 00	0... 1		0,3 mm
43	0000 042 417 00	0... 1		0,35 mm
44	0000 041 194 00	0... 1		0,4 mm
45	0000 042 418 00	0... 1		0,45 mm
46	0000 041 195 00	0... 1		0,5 mm
47	0000 042 419 00	0... 1		0,55 mm
48	0000 041 196 00	0... 1		0,6 mm
49	0000 042 420 00	0... 1		0,65 mm

0000 020 959 01

Cylinder head S/Z 1D90E
Zylinderkopf S/Z 1D90E
Culasse S/Z 1D90E
Culata S/Z 1D90E
Cylinder Head S/Z 1D90E

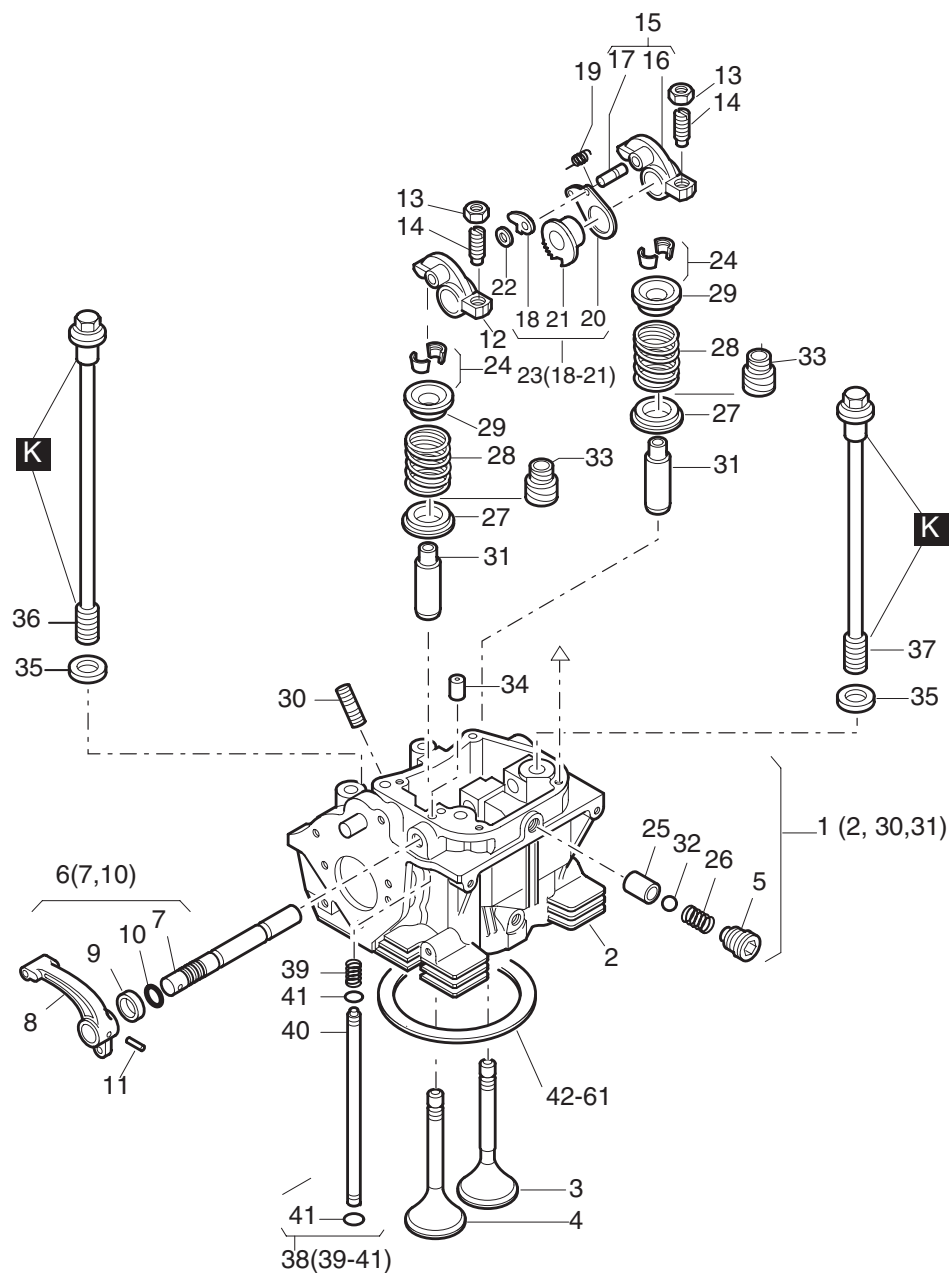


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
50	0000 041 197 00	0... 1		0,7 mm
51	0000 042 421 00	0... 1		0,75 mm
52	0000 041 198 00	0... 1		0,8 mm
53	0000 042 422 00	0... 1		0,85 mm
54	0000 042 423 00	0... 1		0,95 mm
55	0000 041 200 00	0... 1		1,0 mm
56	0000 042 424 00	0... 1		1,05 mm
57	0000 041 201 00	0... 1		1,1 mm
58	0000 042 425 00	0... 1		1,15 mm
59	0000 041 202 00	0... 1		1,2 mm
60	0000 042 426 00	0... 1		1,25 mm
61	0000 041 203 00	0... 1		1,3 mm

0000 012 453 01

Cover cylinder head
Deckel Zylinderkopf
Couvercle Culasse
Tapa Culata
Cover Cyl.Head

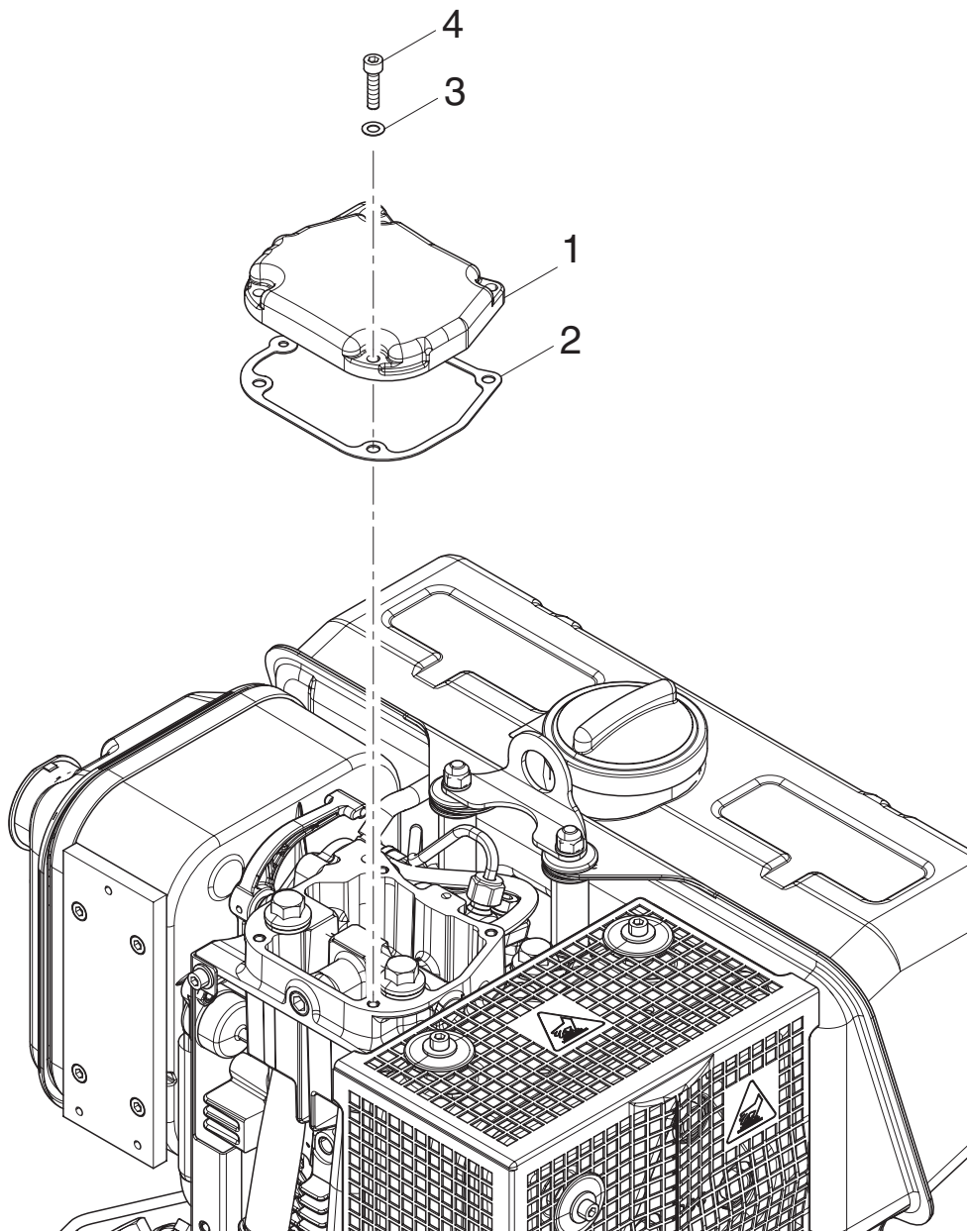


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 454 15	1		
2	0000 040 061 11	1		
3	0000 500 812 00	4		A 6 DIN 137 - A3B
4	0000 501 708 00	4		M 6 x 25 DIN 912-8.8A3B

0000 020 893 00

Cylinder cover Oil filling top
Deckel Zylinderkopf Öleinfüllung
Couv. Rempl. Haut S
Llenado Aceite Tapa Valvulas
Coperchio

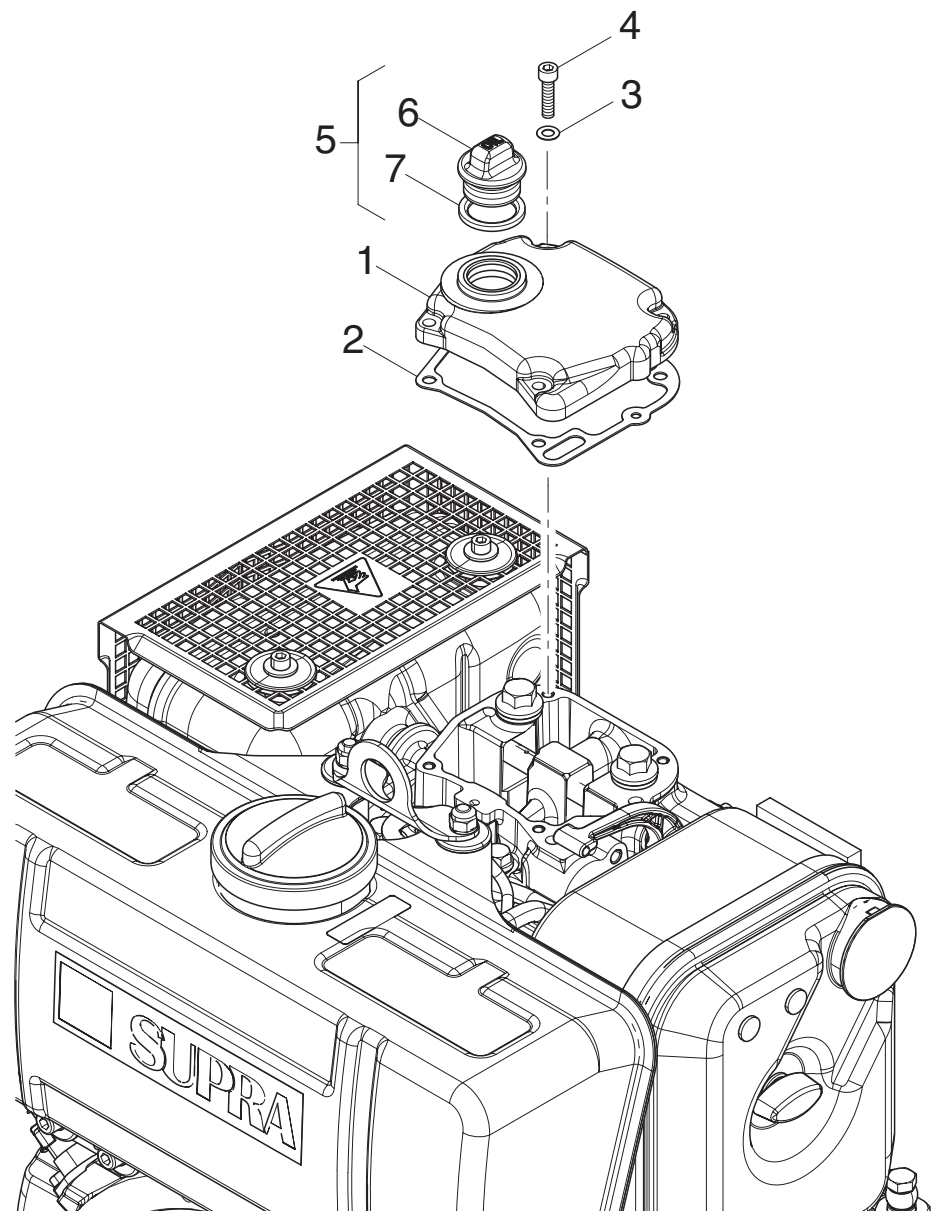


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 866 14	1		
2	0000 040 061 11	1		
3	0000 500 812 00	4		A 6 DIN 137 - A3B
4	0000 501 708 00	4		M 6 x 25 DIN 912-8.8A3B
5	0000 016 131 00	1		
6	-----	-		
7	0000 041 250 00	1		26 x 35 x3

0000 020 880 00

Lifting device S/Z
Aufzugvorrichtung S/Z
Dispositif Levage S/Z
Dispositivo Colocac S/Z
Lifting Device S/Z

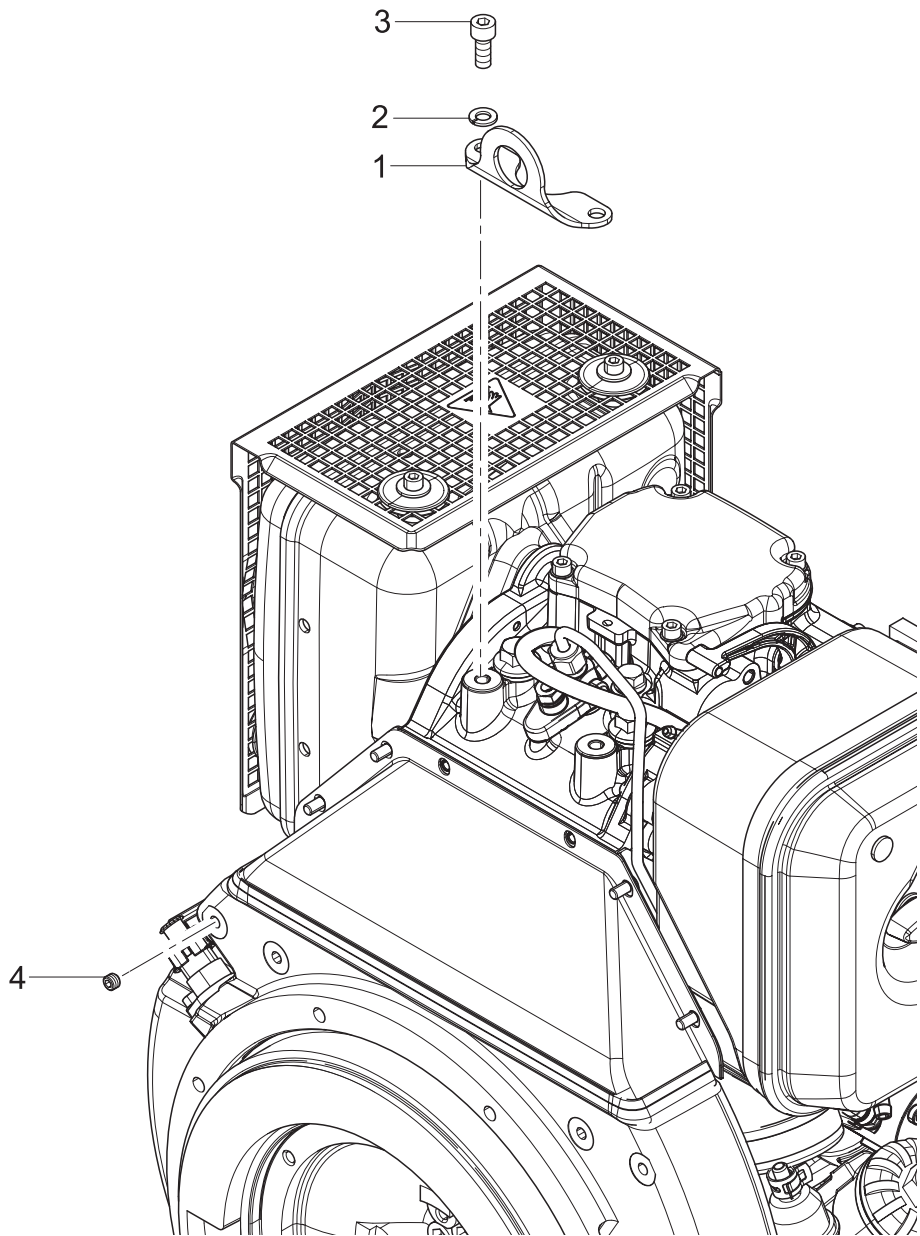


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 081 00	1		
2	0000 502 085 00	2		8 DIN 128 A3B
3	0000 503 663 00	2		M 8 X 20 DIN 912-8.8A3B
4	0000 502 260 00	4		M 8 X 6 DIN 913-45H TU.FLEC

0000 020 881 00

Lifting device S/Z tank
Aufzugvorrichtung S/Z Tank
Dispositif Levage S/Z Reservoir
Dispositivo Colocac S/Z Depos.
Lifting Device S/Z Tank

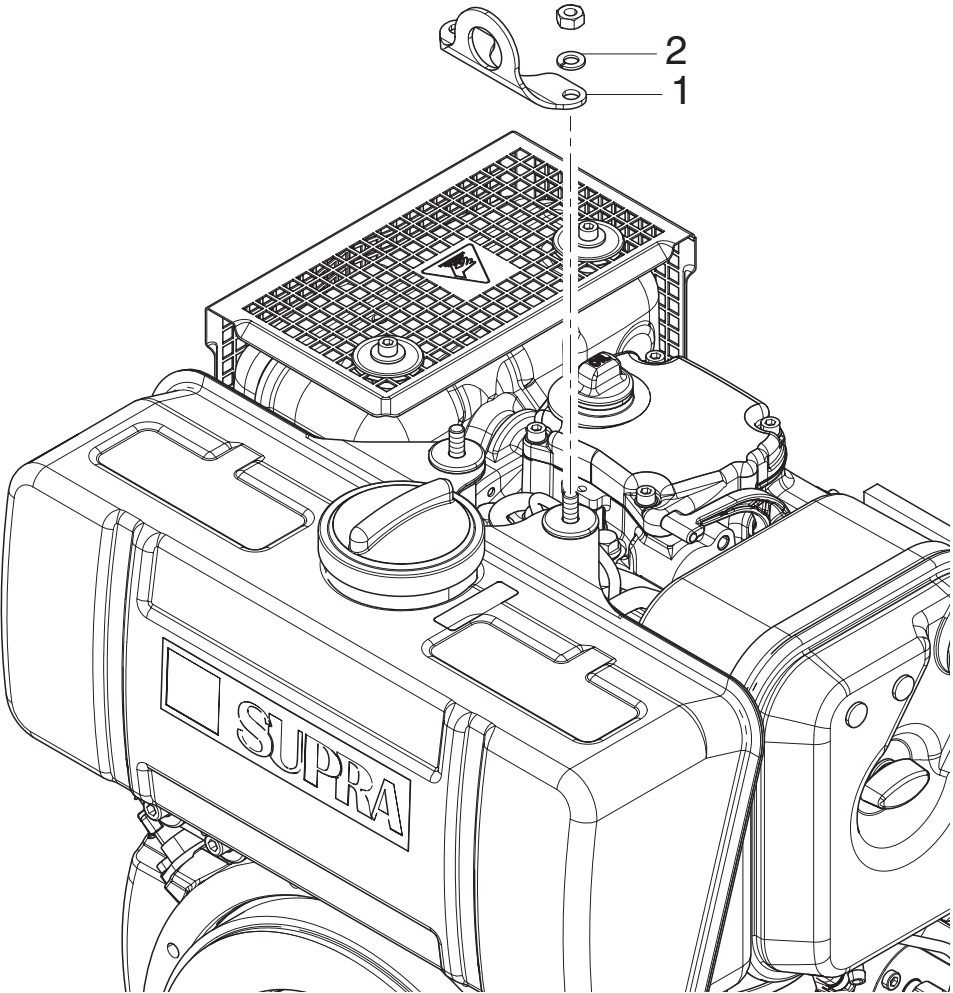


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 081 00	1		
2	0000 502 085 00	2		8 DIN 128 A3B

0000 021 038 01

Glowplug 12V 1D90E
Glühstift 12V 1D90E
Bougie Prechauf.12V 1D90E
Bujia Incandesc.12V 1D90E
Glowplug W.Wire 12V 1D90E

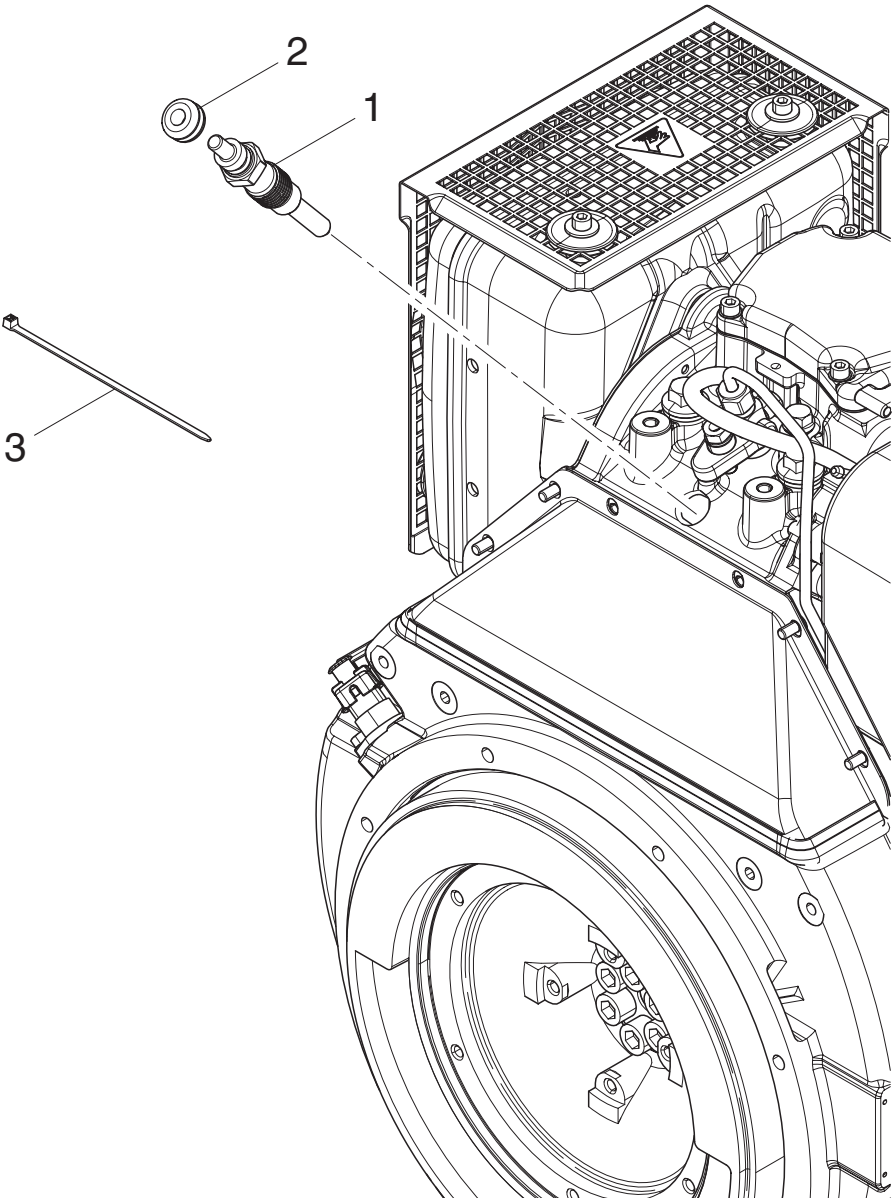


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 909 00	1		
2	0000 504 408 01	1		
3	0000 503 584 00	3		4,8 x 200 mm Black

0000 012 442 01

Pushrod with tube
Stosstange und Schutz
Tige De Culbuteur
Varilla De Balancin
Pushrod W. Tube

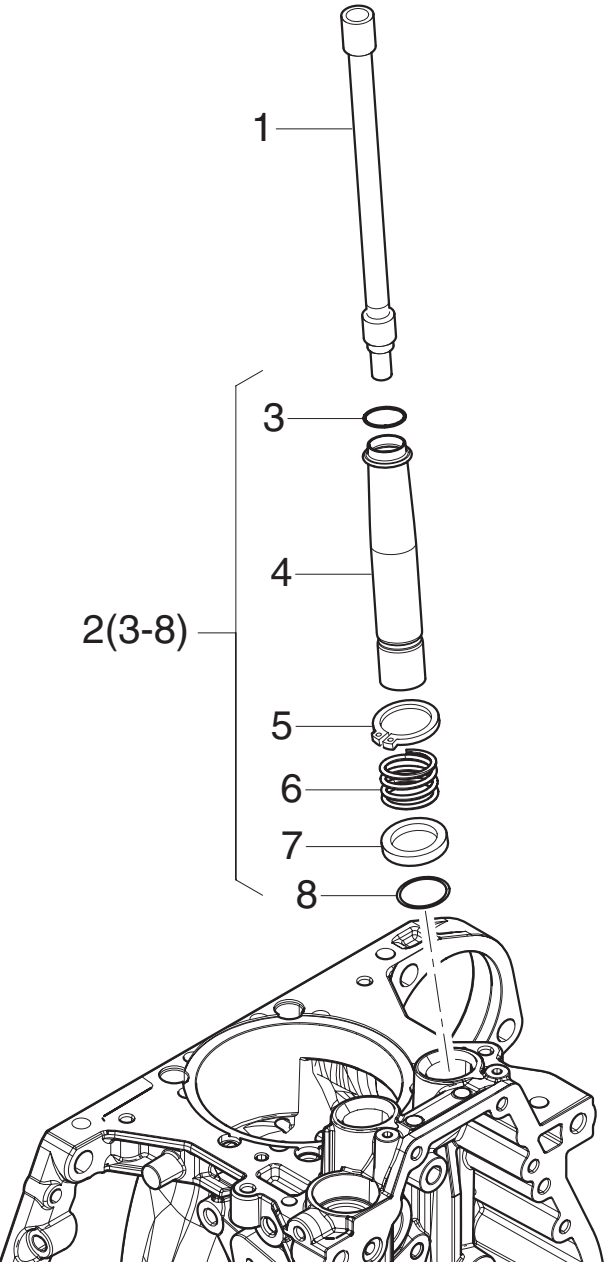


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 443 10	2		
2	0000 014 746 00	2		
3	0000 503 302 00	2		19 x 3
4	0000 040 025 00	2		
5	0000 503 470 00	2		AS 24 x 1,75 DIN 471
6	0000 040 026 00	2		
7	0000 040 020 00	2		
8	0000 503 303 00	2		23 x 3

0000 020 759 00

Timing cover 1D90E
Steuerdeckel Standard 1D90E
Couvercle Distribut 1D90E
Tapa De Mando 1D90E
Coperchio Distrib. 1D90E

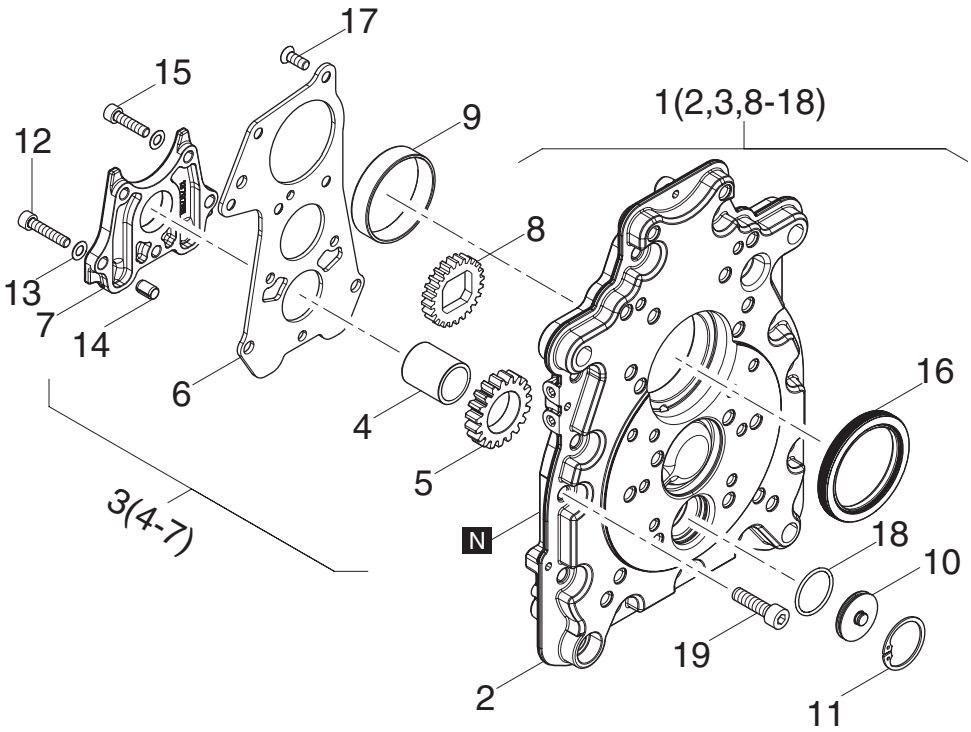


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 760 00	1		
2	-----	-		
3	0000 020 761 00	1		
4	0000 012 424 01	1		
5	0000 037 973 10	1		
6	0000 037 974 12	1		
7	0000 037 975 12	1		
8	0000 037 987 20	1		
9	0000 040 003 11	1		
10	0000 040 004 00	1		
11	0000 503 990 00	1		JL 32 x 1,2 DIN 472
12	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
13	0000 500 812 00	5		A 6 DIN 137 - A3B
14	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
15	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3B
16	0000 503 258 11	1		54 x 70 x 8
17	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
18	0000 503 304 00	1		27 x 2
19	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3B

0000 020 890 00

Timing cover SAE HP 1D90E
Steuerdeckel HP 1D90E Deckel oben
Couver. Dist.SAE HP 1D90E
Tapa De Mand.SAE HP 1D90E
Cop.Distr..SAE HP 1D90E

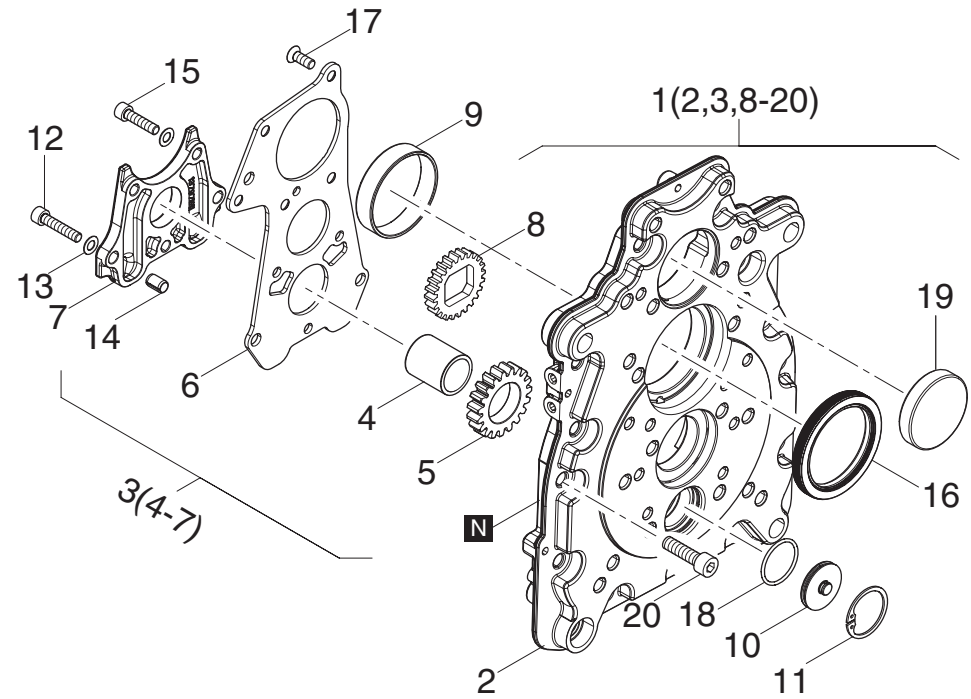


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 891 00	1		
2	-----	-		
3	0000 020 761 00	1		
4	0000 012 424 01	1		
5	0000 037 973 10	1		
6	0000 037 974 12	1		
7	0000 037 975 12	1		
8	0000 037 987 20	1		
9	0000 040 003 11	1		
10	0000 040 004 00	1		
11	0000 503 990 00	1		JL 32 x 1,2 DIN 472
12	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
13	0000 500 812 00	5		A 6 DIN 137 - A3B
14	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
15	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3B
16	0000 503 258 11	1		54 x 70 x 8
17	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
18	0000 503 304 00	1		27 x 2
19	0000 503 256 01	1		50
20	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3B

0000 020 907 00

Timing cover SAE HP 1D90E
Steuerdeckel HP 1D90E ohne Deckel
Couver. Dist.SAE HP 1D90E
Tapa De Mand.SAE HP 1D90E
Cop.Distr..SAE HP 1D90E

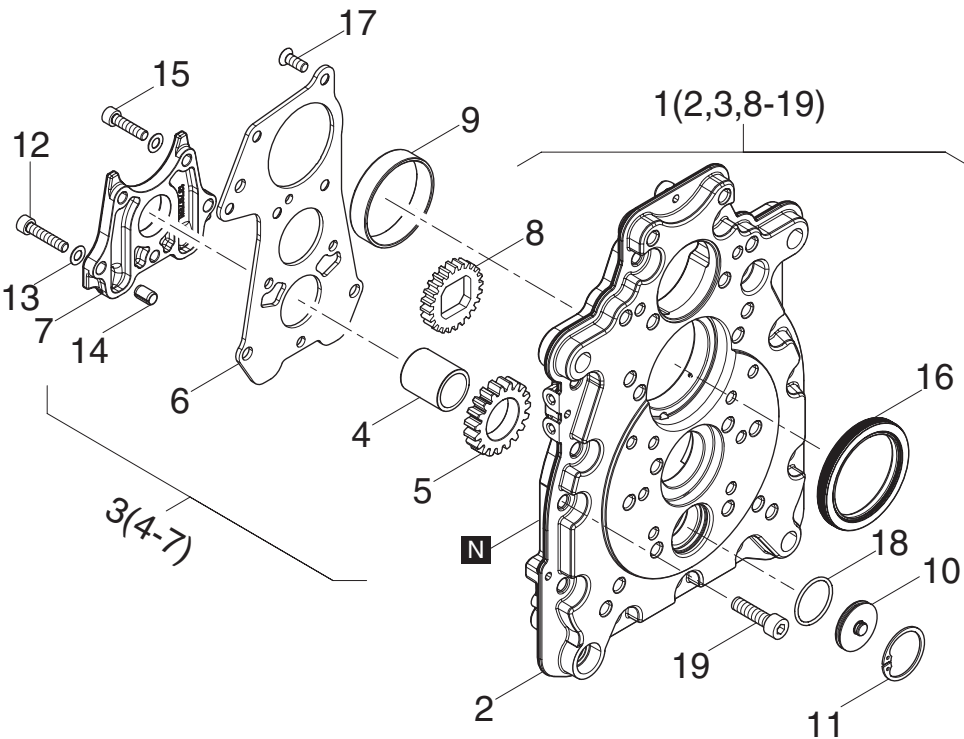


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 908 00	1		
2	-----	-		
3	0000 020 761 00	1		
4	0000 012 424 01	1		
5	0000 037 973 10	1		
6	0000 037 974 12	1		
7	0000 037 975 12	1		
8	0000 037 987 20	1		
9	0000 040 003 11	1		
10	0000 040 004 00	1		
11	0000 503 990 00	1		JL 32 x 1,2 DIN 472
12	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
13	0000 500 812 00	5		A 6 DIN 137 - A3B
14	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
15	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3B
16	0000 503 258 11	1		54 x 70 x 8
17	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
18	0000 503 304 00	1		27 x 2
19	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3B

0000 020 916 00

Timing cover SAE HP 1D90E
Steuerdeckel HP 1D90E mit Deckel
Couver. Dist.SAE HP 1D90E
Tapa De Mand.SAE HP 1D90E
Cop.Distr..SAE HP 1D90E

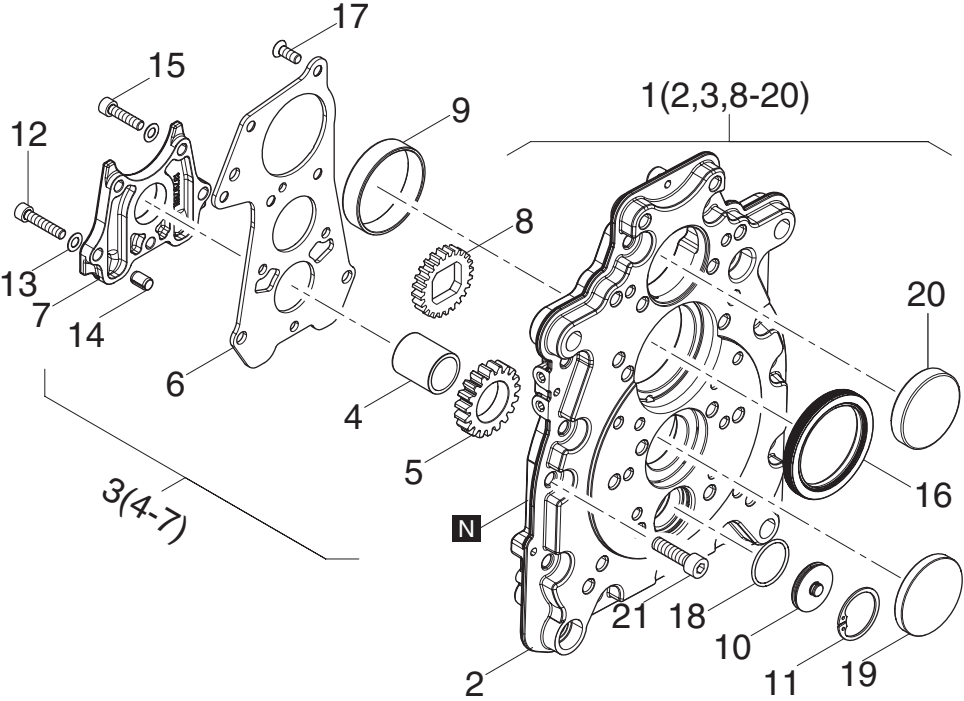


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 888 00	1		
2	-----	-		
3	0000 020 761 00	1		
4	0000 012 424 01	1		
5	0000 037 973 10	1		
6	0000 037 974 12	1		
7	0000 037 975 12	1		
8	0000 037 987 20	1		
9	0000 040 003 11	1		
10	0000 040 004 00	1		
11	0000 503 990 00	1		JL 32 x 1,2 DIN 472
12	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
13	0000 500 812 00	5		A 6 DIN 137 - A3B
14	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
15	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3B
16	0000 503 258 11	1		54 x 70 x 8
17	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
18	0000 503 304 00	1		27 x 2
19	0000 503 257 01	1		52
20	0000 503 256 01	1		50
21	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3B

0000 020 918 00

Timing cover SAE HP 1D90E
Steuerdeckel HP 1D90E Deckel unten
Couver. Dist.SAE HP 1D90E
Tapa De Mand.SAE HP 1D90E
Cop.Distr..SAE HP 1D90E

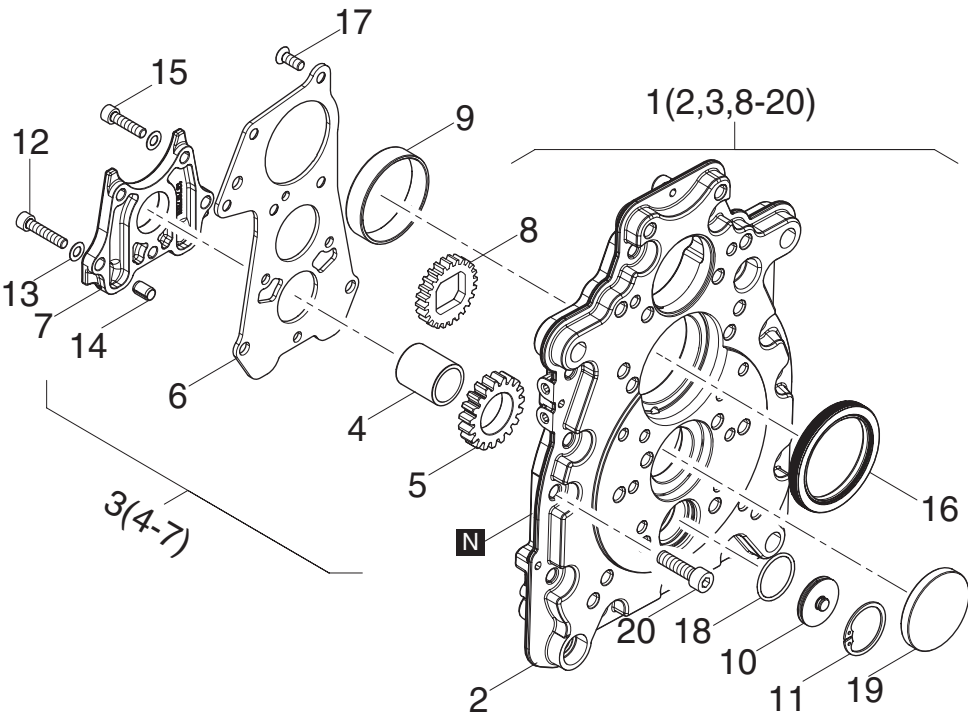


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 892 00	1		
2	-----	-		
3	0000 020 761 00	1		
4	0000 012 424 01	1		
5	0000 037 973 10	1		
6	0000 037 974 12	1		
7	0000 037 975 12	1		
8	0000 037 987 20	1		
9	0000 040 003 11	1		
10	0000 040 004 00	1		
11	0000 503 990 00	1		JL 32 x 1,2 DIN 472
12	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
13	0000 500 812 00	5		A 6 DIN 137 - A3B
14	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
15	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3B
16	0000 503 258 11	1		54 x 70 x 8
17	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
18	0000 503 304 00	1		27 x 2
19	0000 503 257 01	1		52
20	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3B

0000 020 763 00

Timing cover „Z“ 1D90E
Steuerdeckel Kw durchgeführt 1D90E
Couvercle Distribut „Z“ 1D90E
Tapa De Mando „Z“ 1D90E
Coperchio Distrib. „Z“ 1D90E

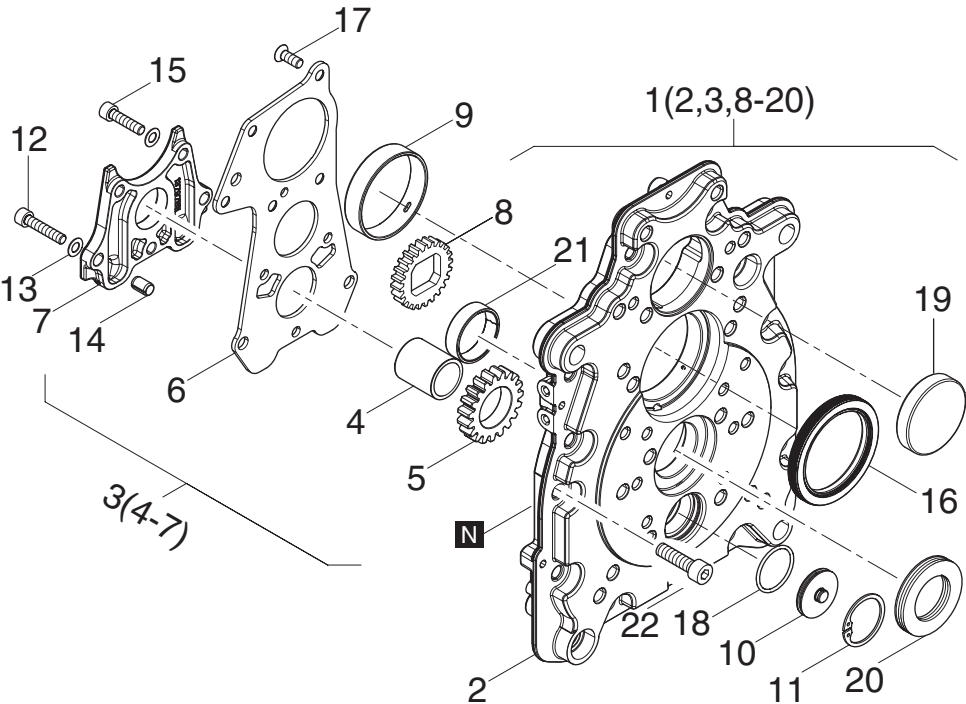


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 764 00	1		
2	-----	-		
3	0000 020 761 00	1		
4	0000 012 424 01	1		
5	0000 037 973 10	1		
6	0000 037 974 12	1		
7	0000 037 975 12	1		
8	0000 037 987 20	1		
9	0000 040 003 11	1		
10	0000 040 004 00	1		
11	0000 503 990 00	1		JL 32 x 1,2 DIN 472
12	0000 500 510 00	2		M 6 x 30 DIN 912-8.8
13	0000 500 812 00	5		A 6 DIN 137 - A3B
14	0000 500 849 01	2		8 x 12 DIN 7346 55 Si 7 2Fasen
15	0000 501 708 00	3		M 6 x 25 DIN 912-8.8A3B
16	0000 503 258 11	1		54 x 70 x 8
17	0000 503 280 00	5		AM 6 x 16 17065 - 8.8 Zn
18	0000 503 304 00	1		27 x 2
19	0000 503 256 01	1		50
20	0000 503 647 01	1		32 x 52 x 7
21	0000 040 232 11	1		
22	0000 504 174 00	13		M 8 X 30 Z3 DIN 912-8.8 A3B

0000 020 841 03

Injection pump 1D90E
Einspritzpumpe 1D90E
Pompe D'Inject.1D90E
Bomba De Inyec.1D90E
Inject. Pump 1D90E

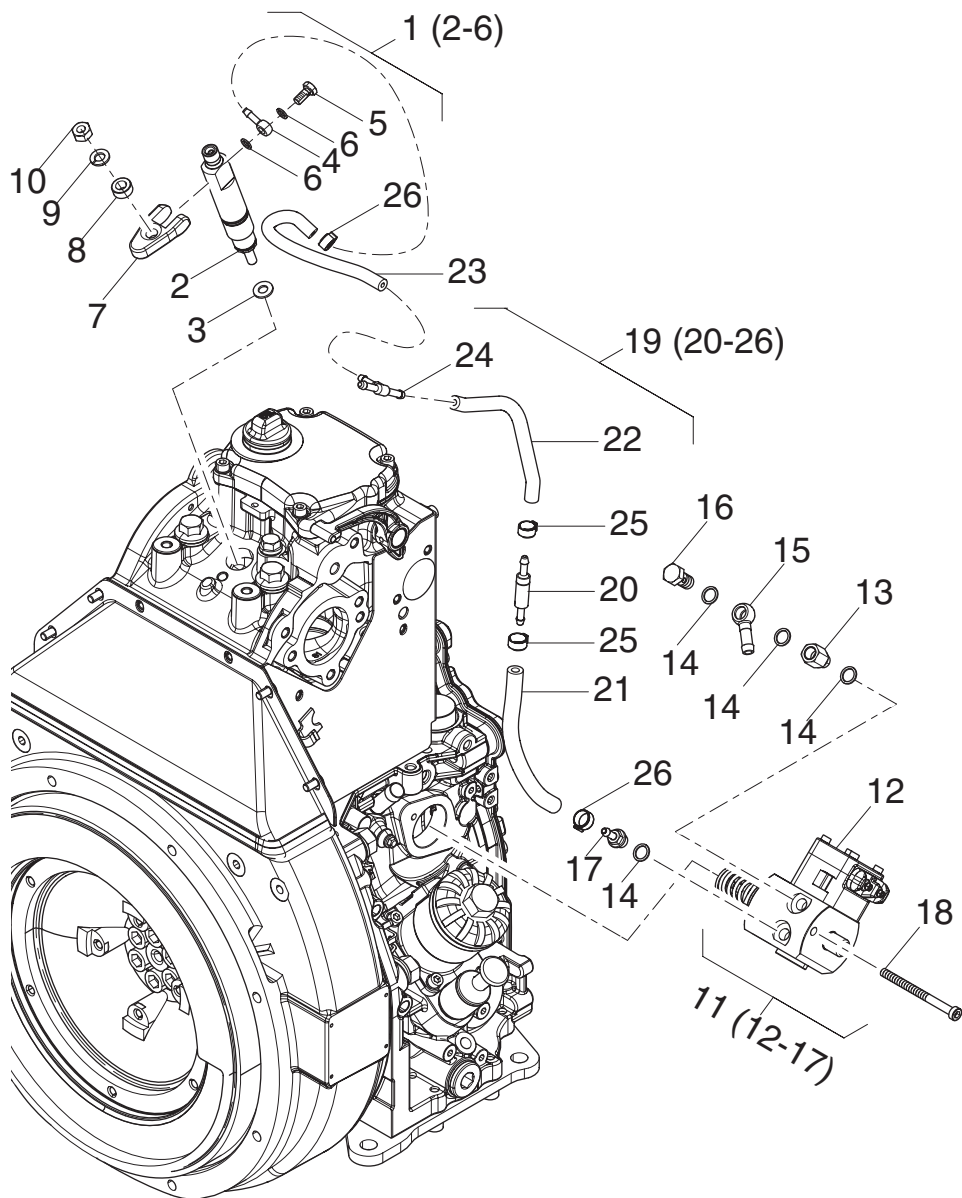


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 021 021 11	1		
2	-----	-		
3	0000 041 852 00	1		
4	0000 503 334 00	1		
5	0000 503 130 00	1		M 6
6	0000 500 008 00	2		A 6,5 x 9,5 DIN 7603-Cu
7	0000 037 924 01	1		
8	0000 040 357 00	1		
9	0000 502 085 00	1		8 DIN 128 A3B
10	0000 501 480 00	1		M 8 DIN 934-8 A3B
11	0000 021 022 04	1		
12	-----	-		
13	0000 043 598 10	1		
14	0000 500 624 00	4		A 10 x 13,5 DIN 7603-Cu
15	0000 400 926 00	1		NW 4 / 6
16	0000 500 062 00	1		6 - 3 DIN 7643
17	0000 043 604 00	1		
18	0000 506 230 00	2		M 6 X 75 DIN 6912-8.8 A3B
19	0000 014 574 11	1		
20	0000 008 055 02	1		
21	0000 054 422 00	1		6 x 135 mm
22	0000 053 103 00	1		4,5 x 150 mm
23	0000 052 840 10	1		3,5 x 160
24	0000 039 896 01	1		
25	0000 505 709 00	2		Ø 12,8
26	0000 505 709 00	2		Ø 12,8

0000 020 737 00

Flywheel+gear ring 1D90E
Schwungrad mit Zahnkranz 1D90E
Volant+Couronne Dentee 1D90E
Volante+Corona Dentada 1D90E
Flywheel+gear ring 1D90E

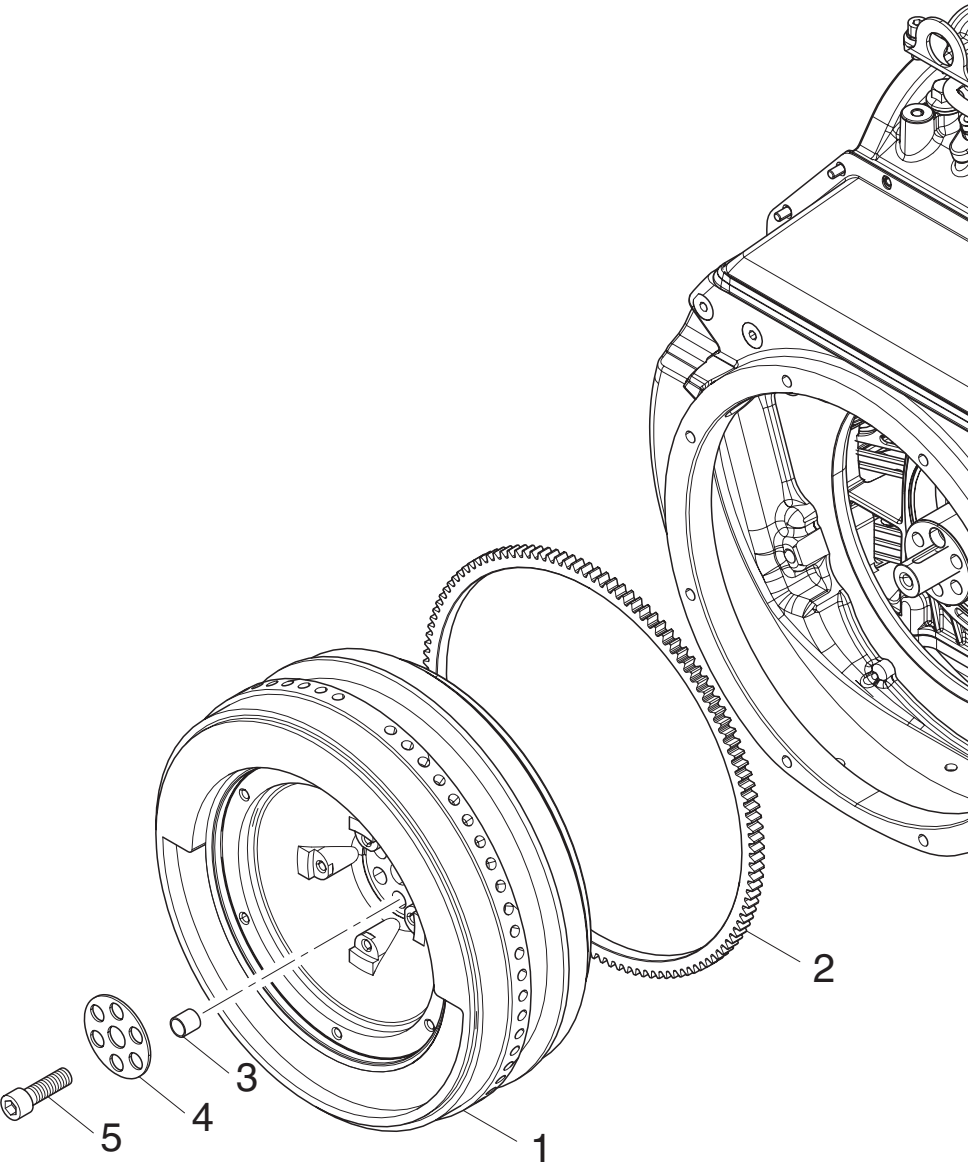


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 043 485 01	1		
2	0000 040 212 11	1		
3	0000 031 237 00	1		
4	0000 040 074 10	1		
5	0000 503 631 00	6		M12 X 1,5 X 40 DIN 912-10.9

0000 021 182 00

Flywheel+gear ring 1D90E
Schwungrad aussenansaugend 1D90E
Volant+Couronne Dentee 1D90E
Volante+Corona Dentada 1D90E
Flywheel+gear ring 1D90E

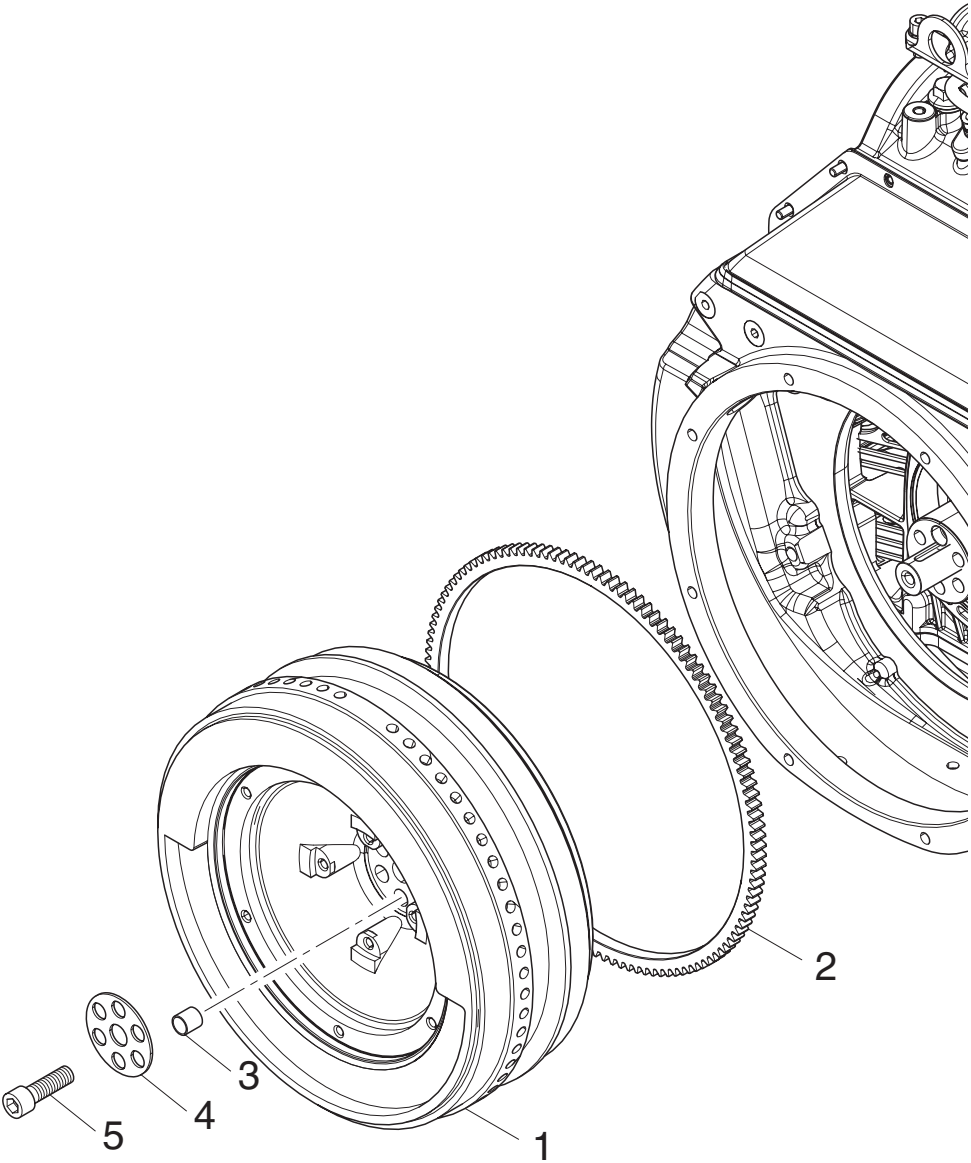


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 043 671 00	1		
2	0000 040 212 11	1		
3	0000 031 237 00	1		
4	0000 040 074 10	1		
5	0000 503 631 00	6		M12 X 1,5 X 40 DIN 912-10.9

0000 020 843 01

Air guide 1D90E
Luftführung 1D90E
Guide D'Air 1D90E
Conducc. De Aire 1D90E
Air guide 1D90E

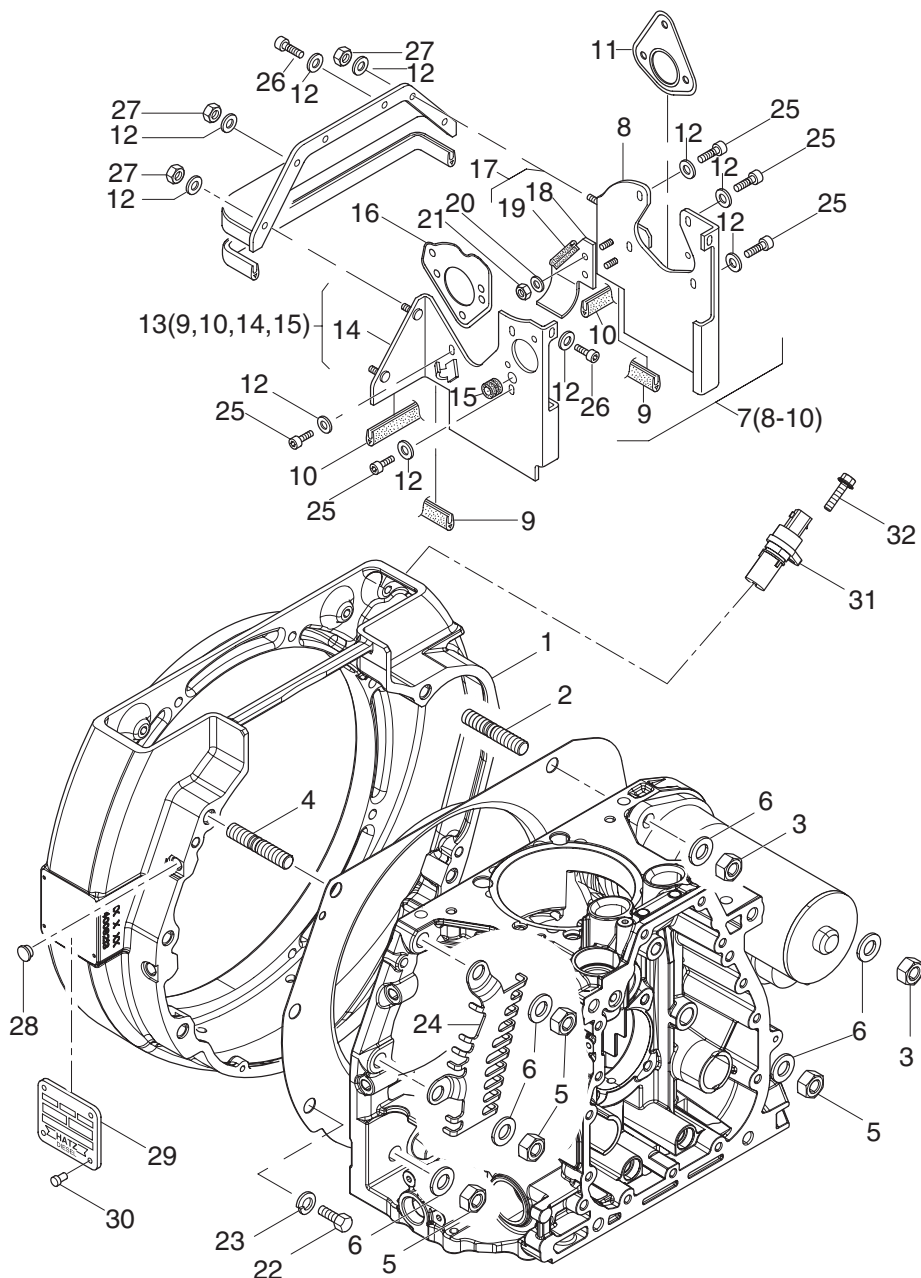


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 043 572 01	1		
2	0000 504 864 00	2		M 12 x 50Fo DIN 835-8.8 A3B
3	0000 503 806 00	2		M12 DIN 970-8 A3B
4	0000 504 750 00	4		M 12 x 40 DIN 835-8.8 A3B
5	0000 500 936 00	4		M12 DIN 934-8 A3B
6	0000 500 937 00	6		13 DIN 125-St A3B
7	0000 012 464 13	1		
8	-----	-		
9	0000 040 076 01	2		35 mm
10	0000 040 077 20	2		76 mm
11	0000 041 256 01	1		
12	0000 503 907 01	15		6 DIN 6796 - 6 - FST ZN
13	0000 012 462 23	1		
14	-----	-		
15	0000 503 348 00	1		
16	0000 041 257 00	1		
17	0000 012 680 10	1		
18	-----	-		
19	0000 040 388 00	1		94 mm
20	0000 501 200 00	2		A 6,4 DIN 9021-St A3B
21	0000 503 283 00	2		VM 6 DIN 980-8 A3B
22	0000 501 771 00	2		M 6 x 16 DIN 933-8.8 A3B
23	0000 501 709 00	2		6 DIN 128 - A3B
24	0000 050 328 00	1		
25	0000 505 281 00	7		M6x16DIN6912-8.8A3B KL360G
26	0000 504 168 00	4		M 6 x 16 DIN 912 - 8.8 A3B Tuf.
27	0000 501 444 00	4		M 6 DIN 934 - 8 A3B
28	0000 505 458 00	2		10,5
29	-----	-		
30	0000 400 025 00	4		2,4
31	0000 506 335 00	1		
32	0000 506 615 00	1		M 6X 25 DIN 6921-8.8A2B

0000 040 099 20

Parting sheet
Trennblech für Generator
Tole De Separation
Chapa De Separacion
Lamierino

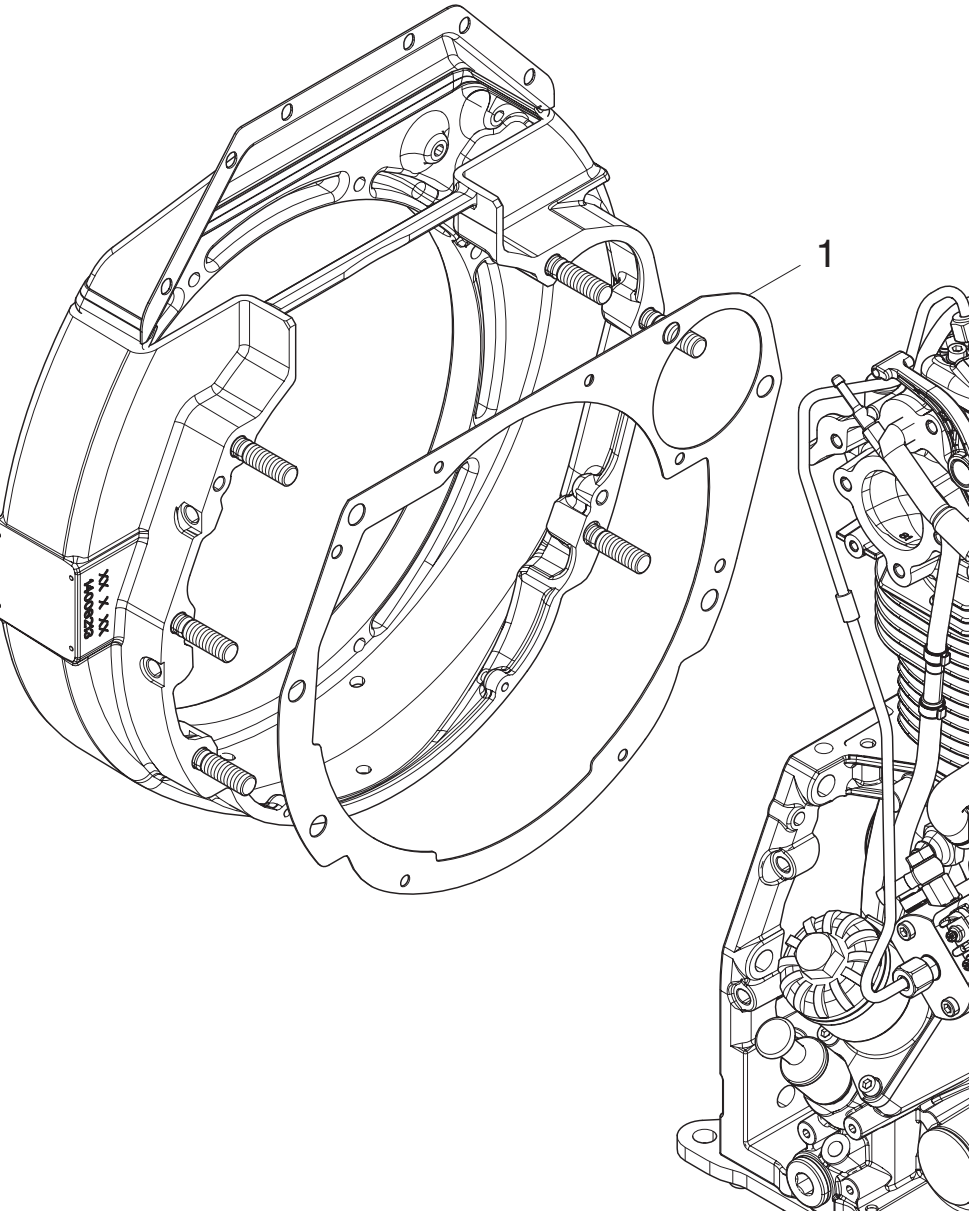


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 099 20	1		

0000 020 867 00

Protector alternator
Schutz Generator
Rotect.Alternateur
Proteccion Alternad
Protezione

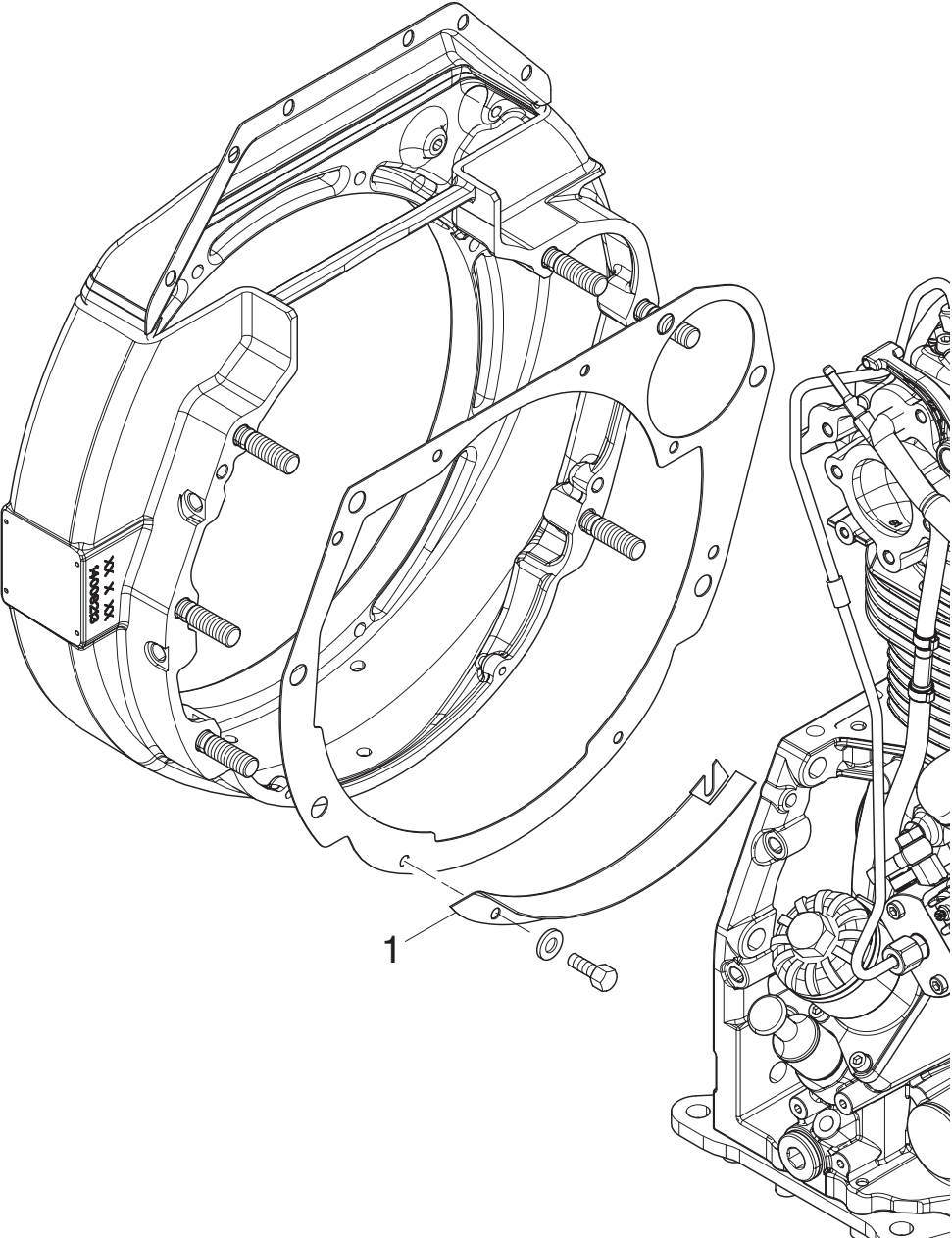


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 211 00	1		

0000 040 804 10

Cover for airduct housing
Blech für Luftführungsgehäuse
Couverc.Cart.Ventil
Tapa P.Conduc.Aire
Cover for airduct housing

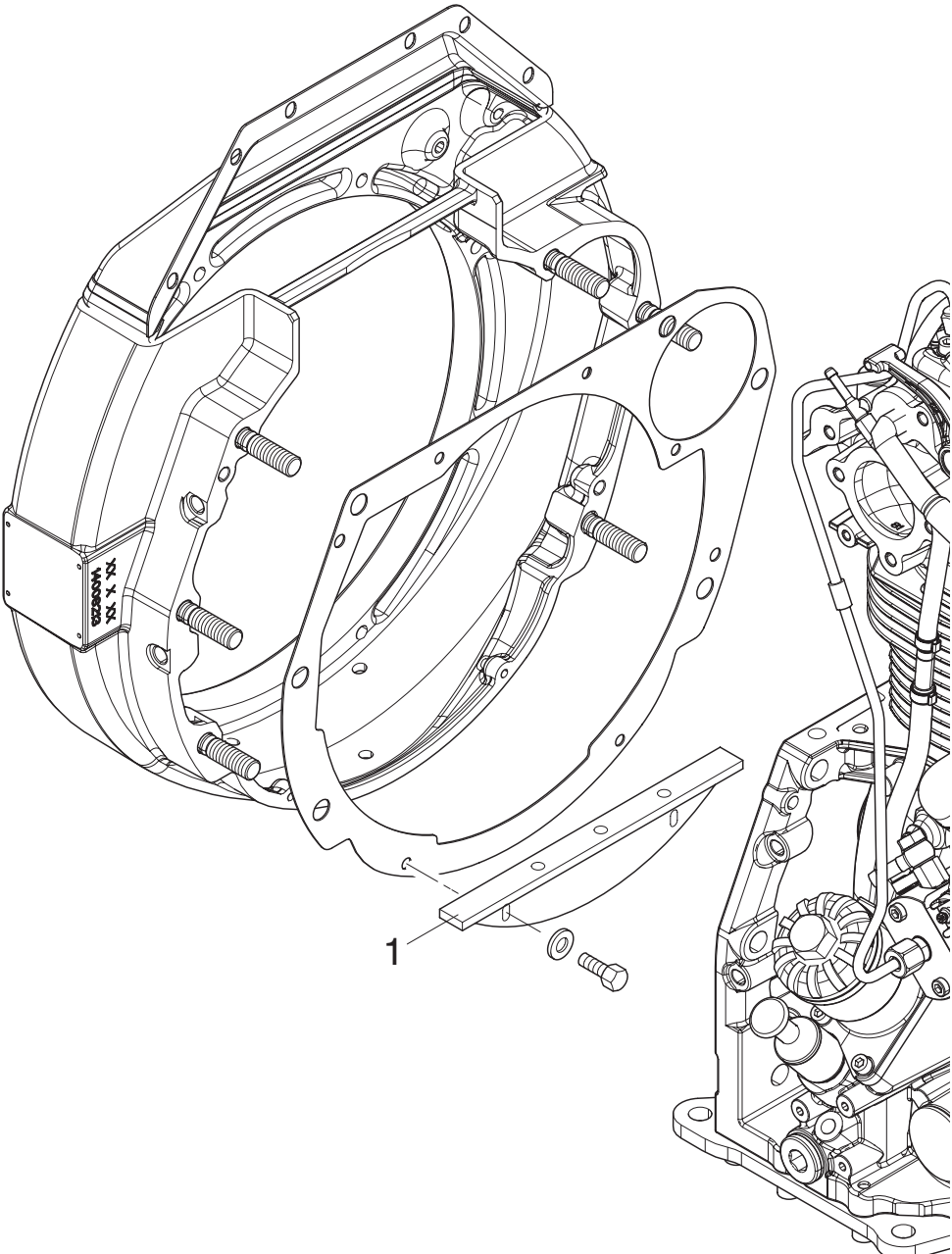


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 804 10	1		

0000 012 466 00

Cooling air duct
Luftblech Schwungradseitig
Tole Guidag.Air Ref
Conduccion De Aire
Convogliatore

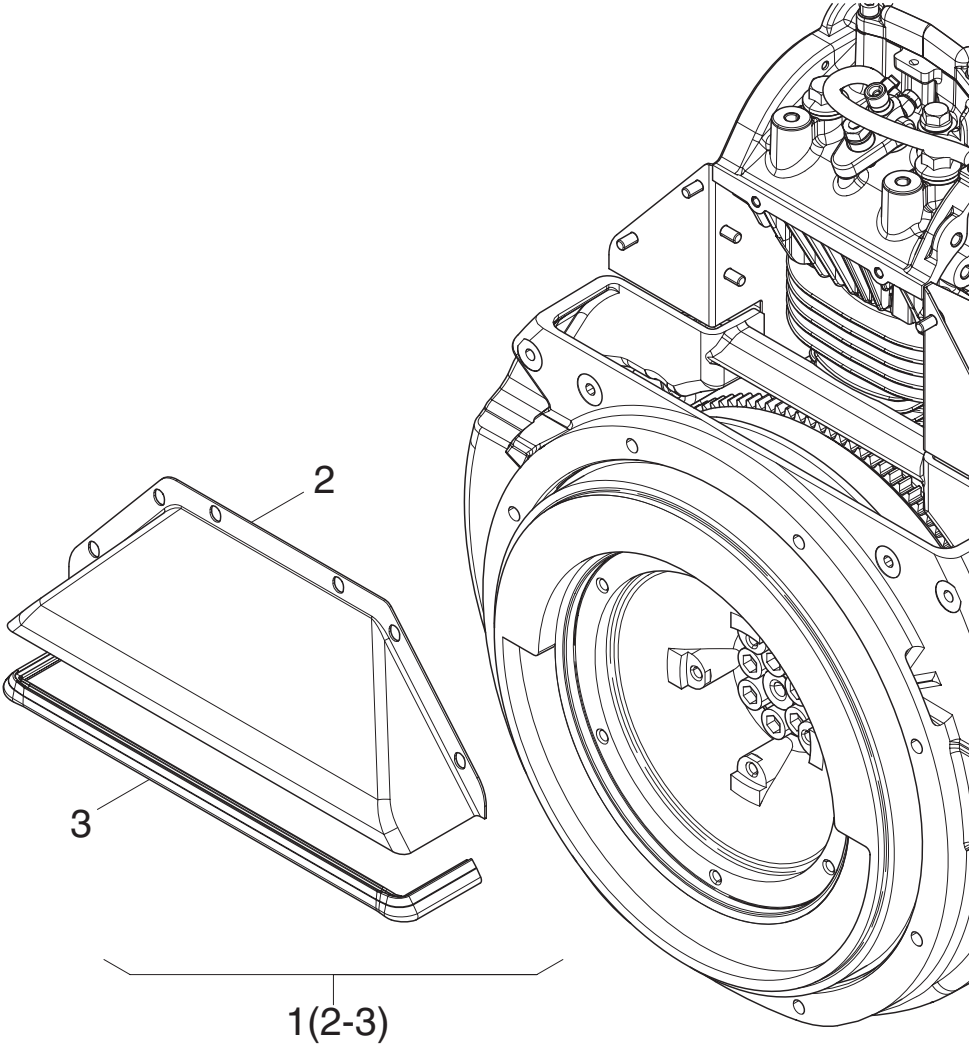


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 466 00	1		
2	-----	-		
3	0000 272 004 00	1		

0000 012 773 01

Cooling air duct
Luftblech Schwungradseitig C
Tole Guidag.Air Ref
Conduccion De Aire
Luftf-Blech Schw

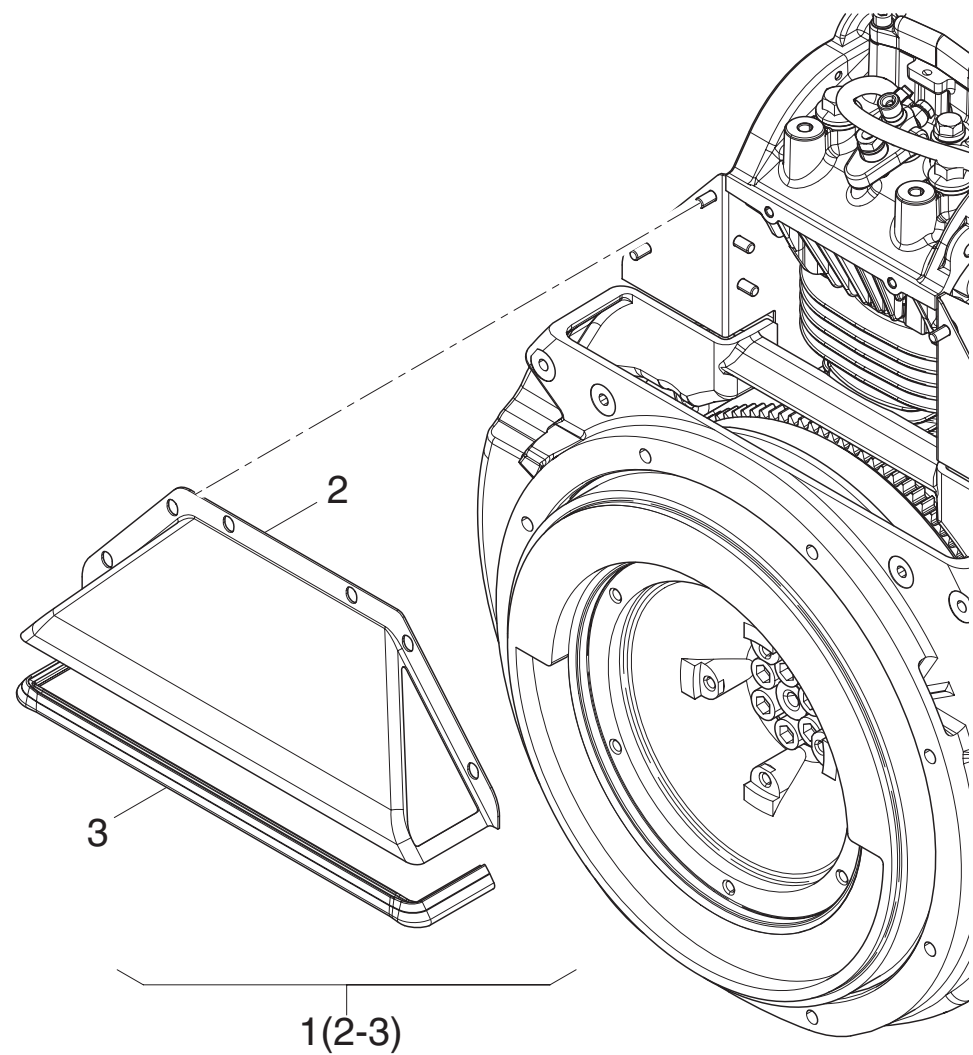


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 773 01	1		
2	-----	-		
3	0000 272 004 00	1		

0000 020 874 00

Air ducting
Abluftschacht
Carter Ventilation
Chapa De Aire
Convogliatore

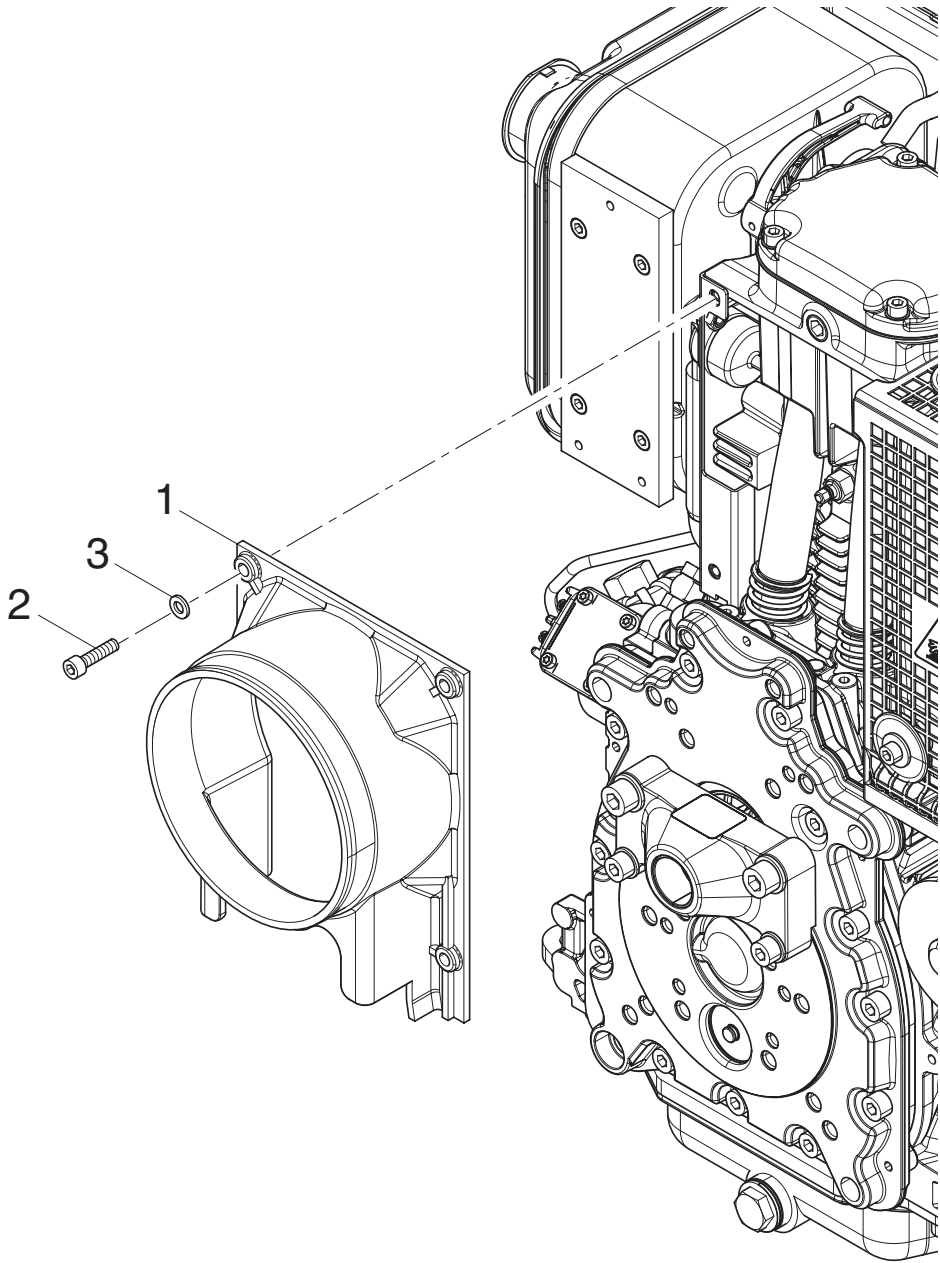


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 594 00	1		
2	0000 501 708 00	4		M 6 x 25 DIN 912-8.8A3B
3	0000 501 445 00	4		6,4 DIN 125-St A3B

0000 501 706 00

All.Scr.M 6X 20
Zyl-Schr.M 6X 20 DIN912-8.8A3B(4762)
Vis Cyl.M 6X 20
Torn.Cil.M 6X 20
Vite Tcei M6 X 20

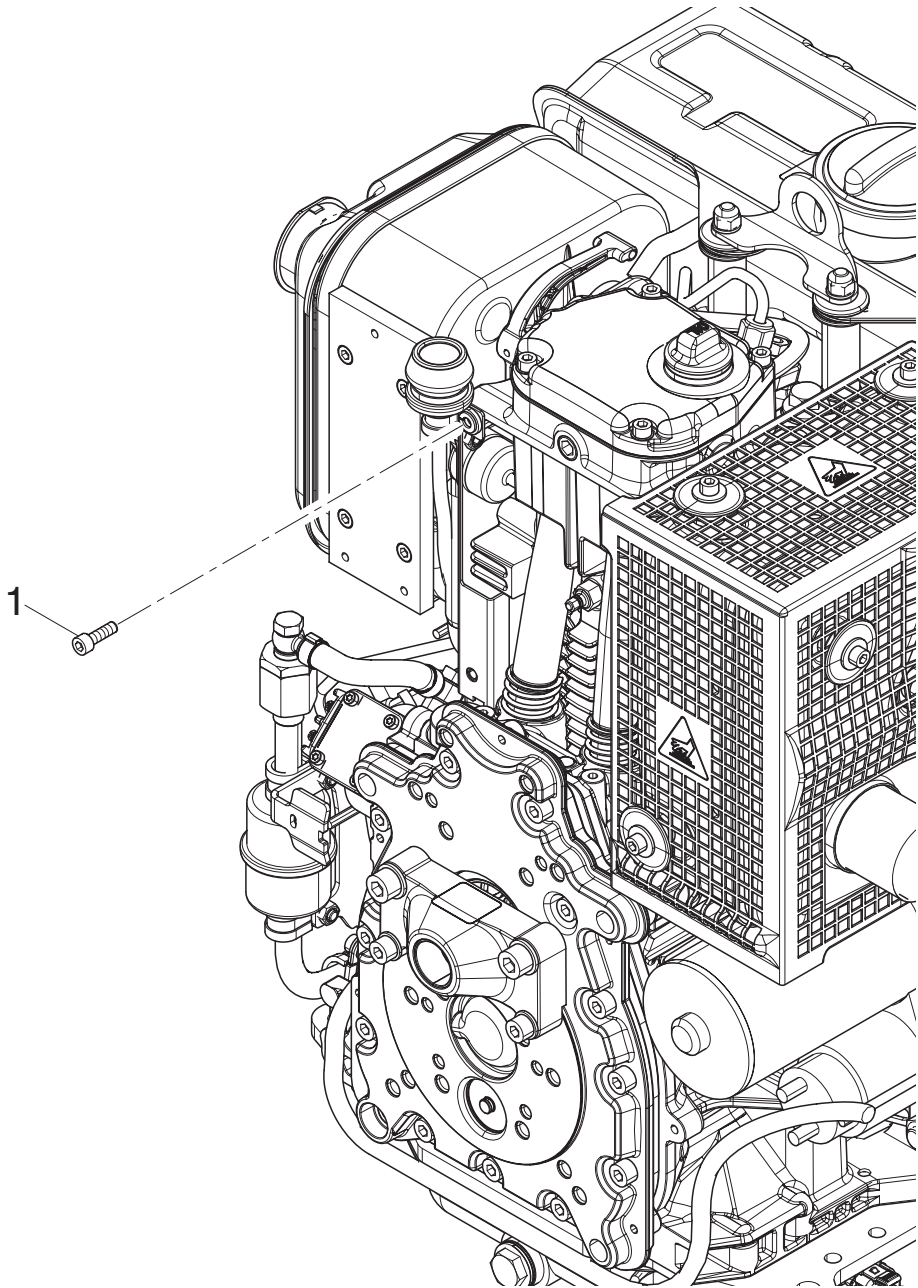
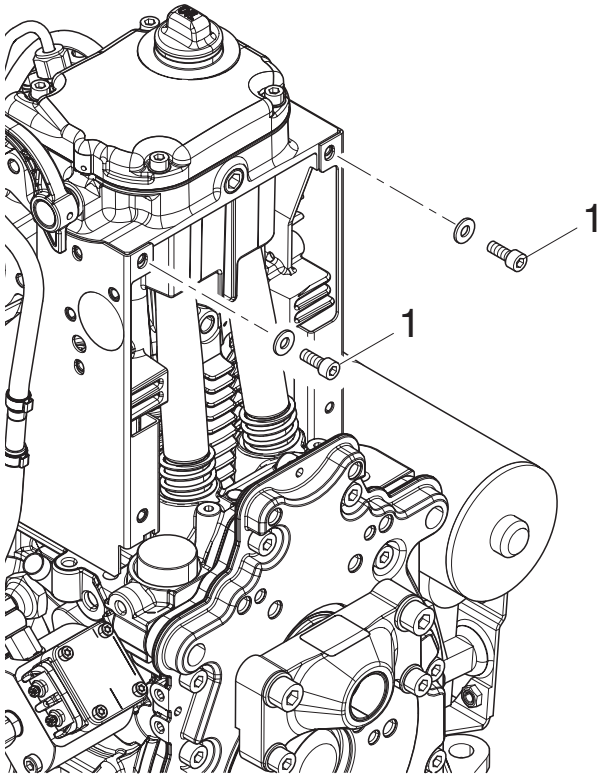


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 501 706 00	1		M 6 x 20 DIN 912-8.8A3B

0000 504 168 00

All.Scr. M 6X 16
Zyl-Schr.M 6X 16 A3B DIN912-8.8Tuf-Flec
Vis.Cyl. M 6X 16
Torn.Cil. M 6X 16
Vite Tcei M6X16

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 504 168 00	1...2		M 6 x 16 DIN 912 - 8.8 A3B Tuf.



0000 020 900 00

Guard
Beruehrschutz Zuluft
Grille Protection
Rejilla Proteccion
Griglia Protezione

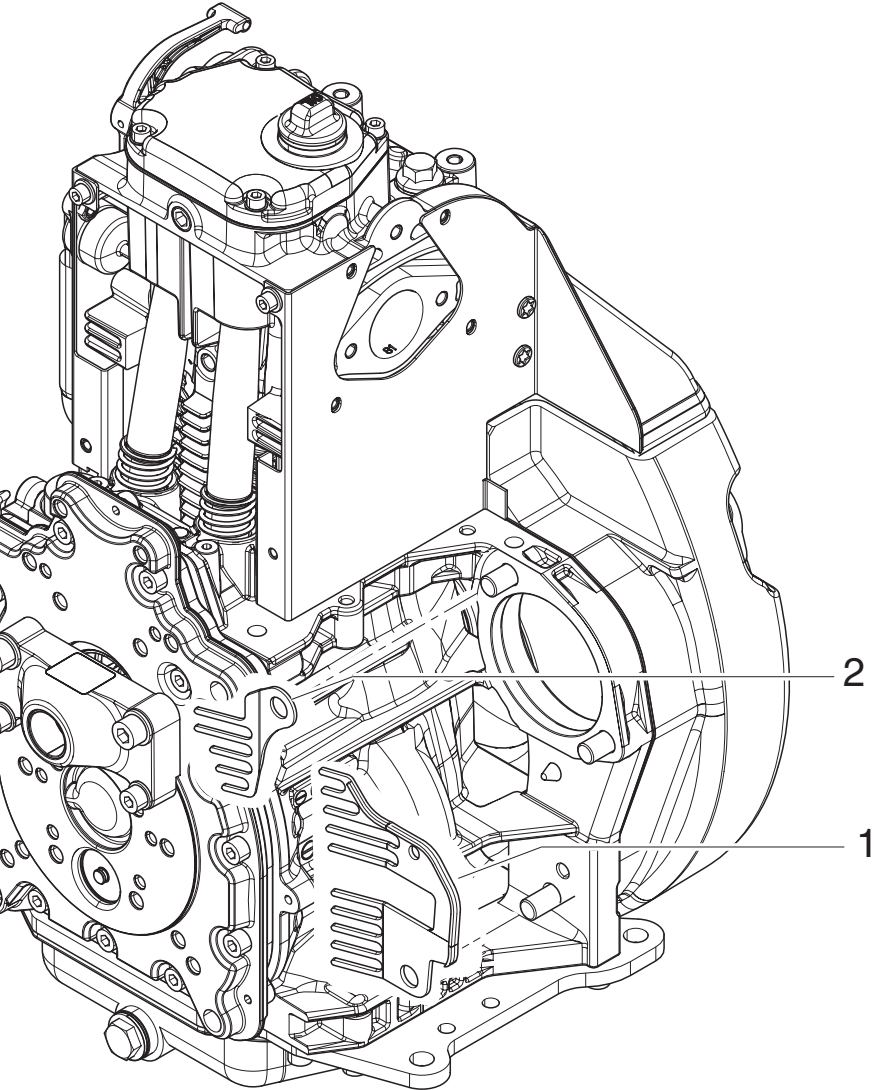


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 015 289 00	1		
2	0000 050 696 01	1		

0000 021 061 02

Fuel Filter with pipe+Feed pump
Filter-Krst-1D90E + Förderpumpe
Filtre Av.Cond.Carb+Pompe Aliment.
Filtro Y Tuberias+Bomba Aliment.
Filtro Nafta+Tubo

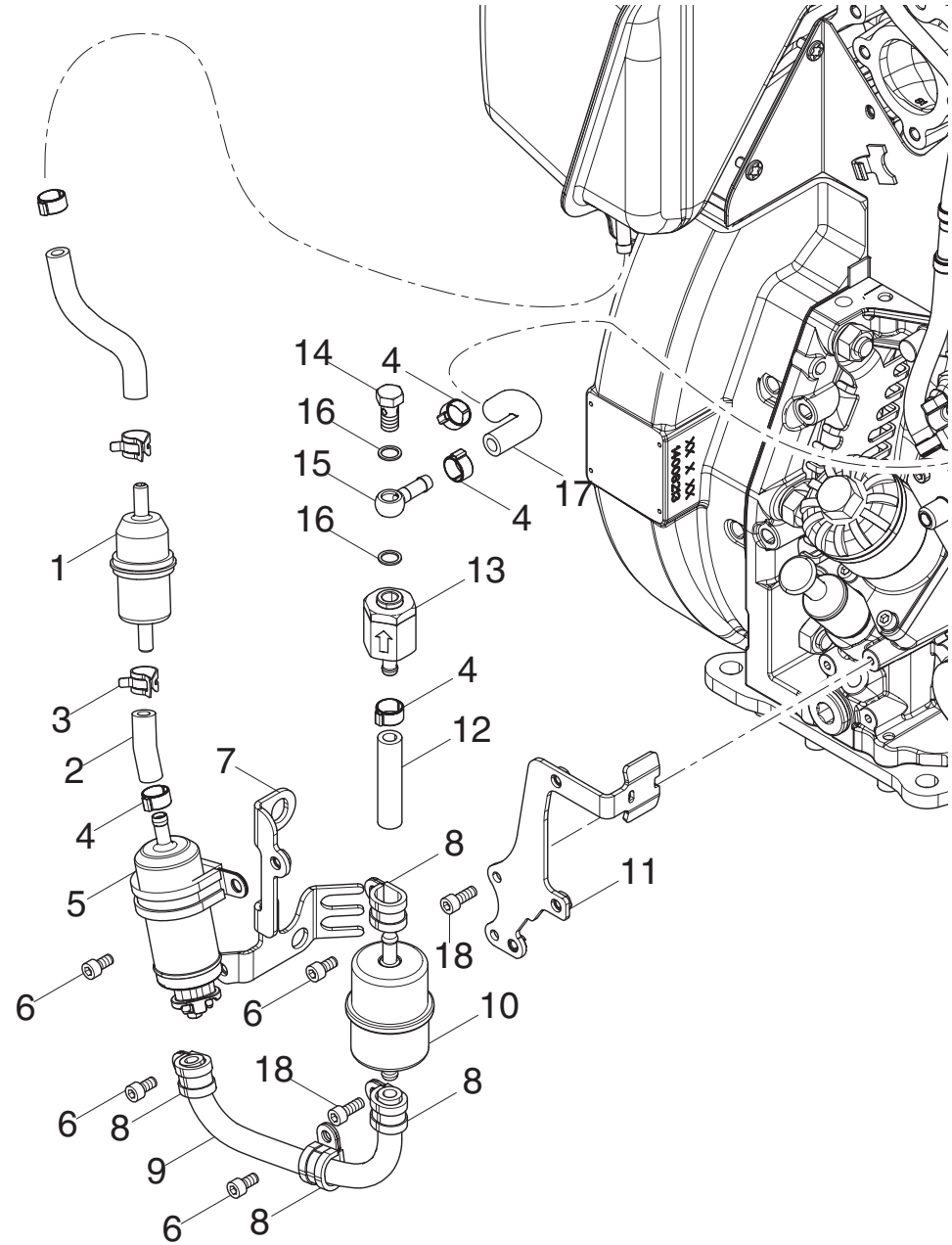


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 503 170 00	1		Vorfilter, prefilter
2	0000 054 324 01	1		
3	0000 506 937 00	1		
4	0000 505 238 00	1		Ø 16,0
5	0000 026 409 00	1		
6	0000 501 491 00	1... 4		M 6 x 12 DIN 912-8.8A3B
7	0000 026 290 00	1		
8	0000 501 584 00	4		14/ 15
9	0000 053 303 01	1		
10	0000 400 894 01	1		Filter < -6°C
11	0000 026 289 00	1		
12	0000 043 616 00	1		
13	0000 021 047 01	1		
14	0000 500 062 00	1		6 - 3 DIN 7643
15	0000 400 926 00	1		NW 4 / 6
16	0000 500 624 00	2		A 10 x 13,5 DIN 7603-Cu
17	0000 043 614 00	1		
18	0000 501 707 00	2		M 6 x 16 DIN 912-8.8A3B

0000 020 882 01

Fuel tank 7L
Tank Kraftstoff 7L
Reservoir 7L
Deposito 7L
Serbatoio 7L

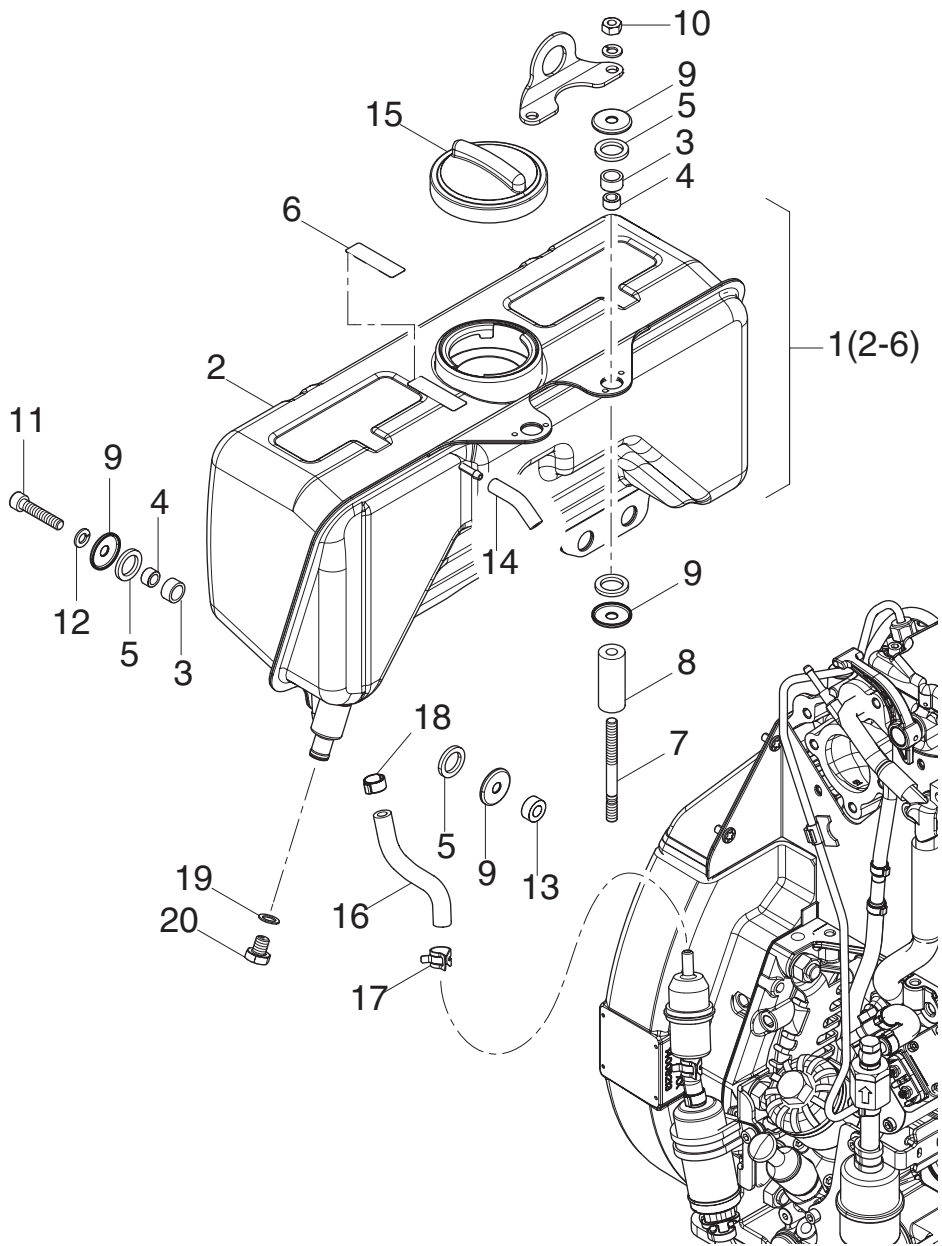


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 569 12	1		
2	-----	-		
3	0000 039 819 00	6		
4	0000 039 817 01	6		8,4 x 13 x 7,5
5	0000 039 818 02	12		17 - 25
6	0000 052 356 02	1		„DIESEL“
7	0000 503 770 01	2		M 8 x 75 DIN 835-10.9 A3B
8	0000 039 898 00	2		8,5 x 20 x 49
9	0000 050 976 01	12		
10	0000 501 480 00	2		M 8 DIN 934-8 A3B
11	0000 501 775 00	4		M 8 X 40 DIN 912-8.8 A3B
12	0000 502 085 00	4		8 DIN 128 A3B
13	0000 050 292 00	4		9 x18 x 8
14	0000 036 637 10	1		5 x 50 mm
15	0000 503 858 01	1		DT 60 f.Tank 7l + 10l
16	0000 043 667 00	1		
17	0000 506 937 00	1		
18	0000 505 238 00	1		Ø 16,0
19	0000 500 010 00	1		A 10 x 16 DIN 7603-Cu
20	0000 051 260 00	1		M 10 x 12

Fuel tank 10 Ltrs.
Tank Kraftstoff 10L
Reservoir 10 L
Deposito Comb. 10 L
Serbatoio 10 Litri

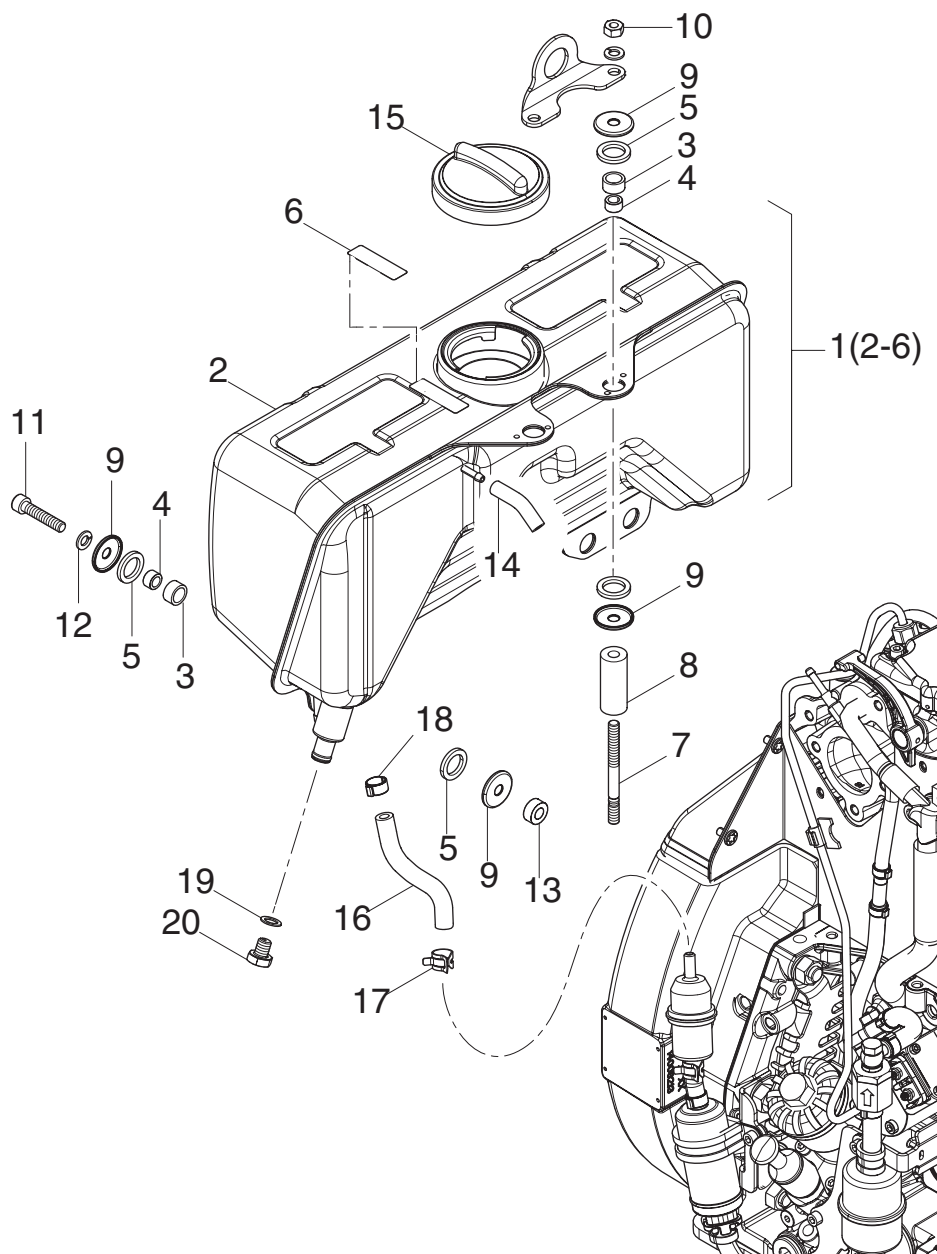


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 979 01	1		
2	-----	-		
3	0000 039 819 00	6		
4	0000 039 817 01	6		8,4 x 13 x 7,5
5	0000 039 818 02	12		17 - 25
6	0000 052 356 02	1		„DIESEL“
7	0000 503 770 01	2		M 8 x 75 DIN 835-10.9 A3B
8	0000 039 898 00	2		8,5 x 20 x 49
9	0000 050 976 01	12		
10	0000 501 480 00	2		M 8 DIN 934-8 A3B
11	0000 501 775 00	4		M 8 X 40 DIN 912-8.8 A3B
12	0000 502 085 00	4		8 DIN 128 A3B
13	0000 050 292 00	4		9 x18 x 8
14	0000 036 637 10	1		5 x 50 mm
15	0000 503 858 01	1		DT 60 f.Tank 7l + 10l
16	0000 043 667 00	1		
17	0000 506 937 00	1		
18	0000 505 238 00	1		Ø 16,0
19	0000 500 010 00	1		A 10 x 16 DIN 7603-Cu
20	0000 051 260 00	1		M 10 x 12

0000 014 324 00

Strainer fuel tank 7-10L
Fuellsieb für Tank 7-10L
Tamis Reserv.Carb. 7-10L
Tamis Depos.Combust 7-10L
Filtro Serbatoio

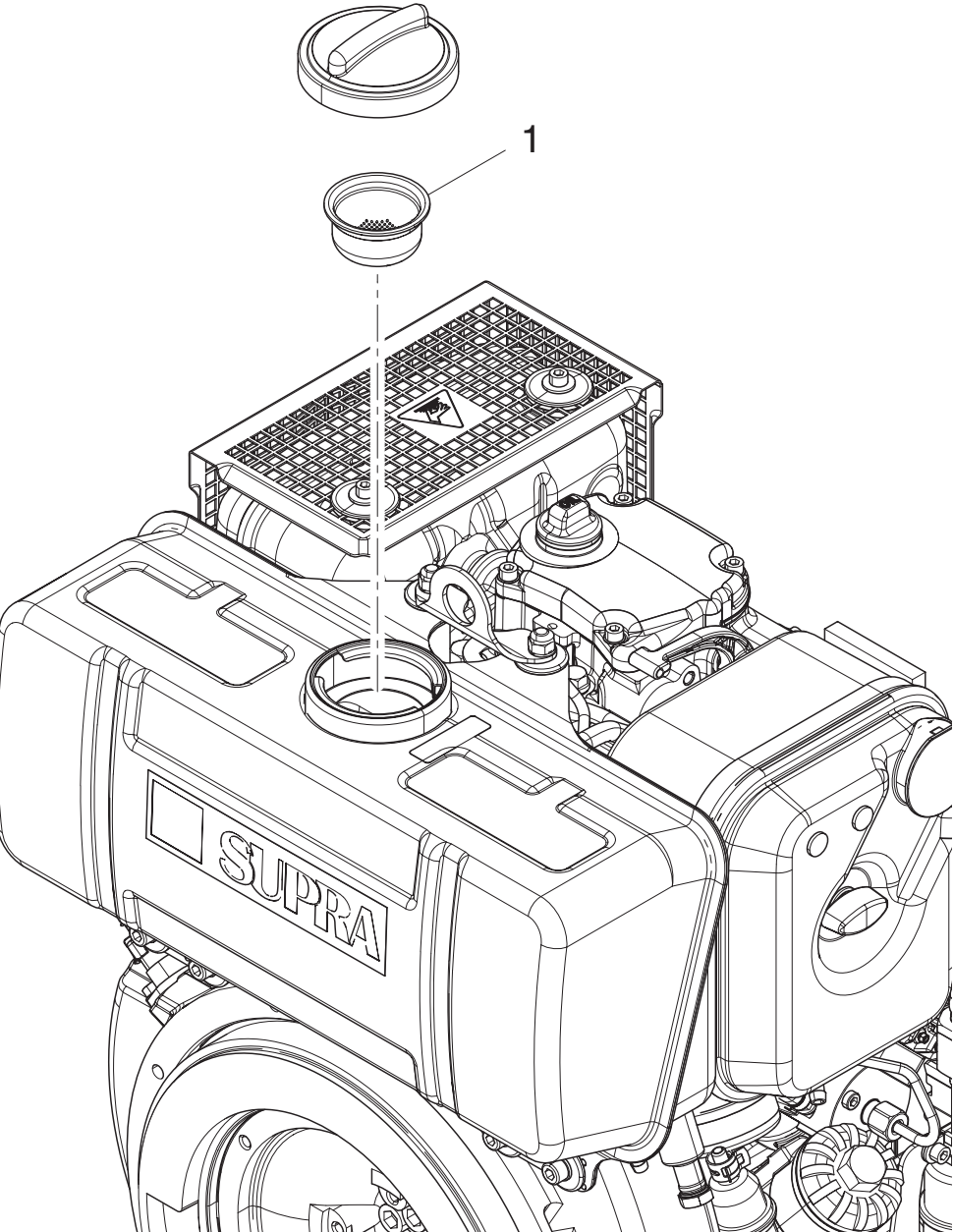


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 503 873 00	1		f. Tank 7l + 10l

0000 014 966 00

Water separator
Wasserabscheider
Separateur D'Eau
Separador Agua
Separatore Acqua

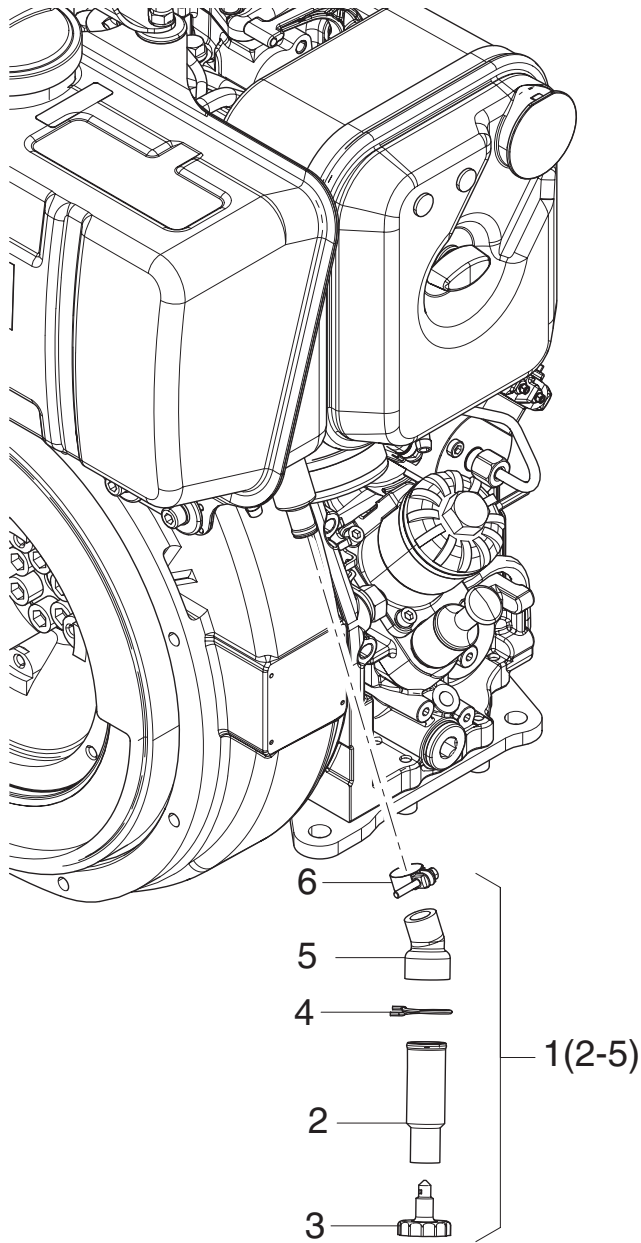


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 015 194 02	1		
2	0000 050 439 02	1		
3	0000 504 148 00	1		M 10
4	0000 050 369 00	1		ø 25
5	0000 050 440 02	1		
6	0000 504 480 00	1		Ø9 x 12,5 DIN3017-W1

0000 023 965 00

Magnet piece for fuel tank
Metallabsorbierung für Behälter
Piece Magnetique P. Reservoir
Pieza Magnet. P. Depos.Comb.
Magnet Piece F. Fue

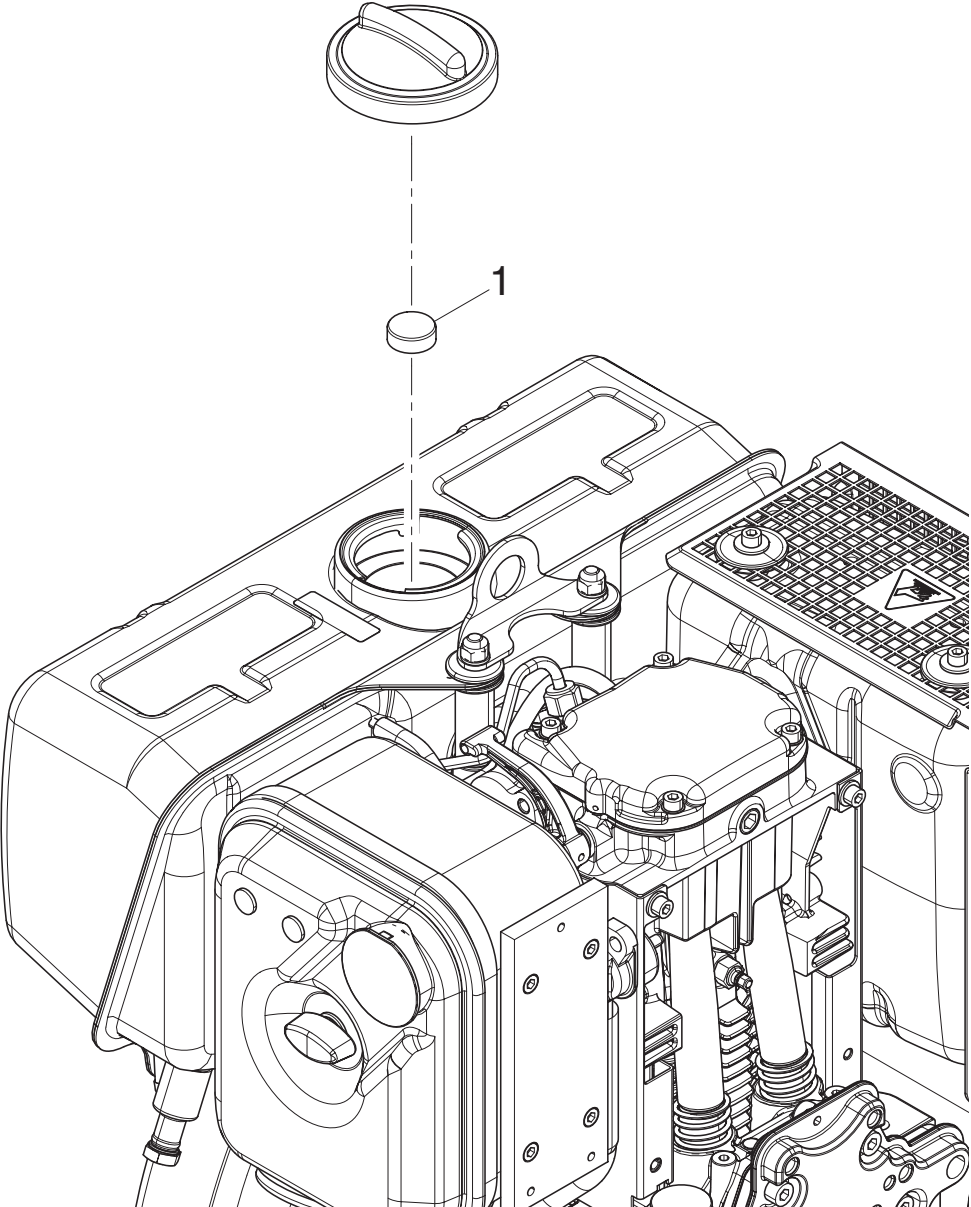


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 050 096 10	1		

0000 020 842 00

Fuel pressure pipe 1D90E
Kraftstoff Druckrohr 1D90E
Tubo De Press. 1D90E
Tubo De Pres. 1D90E
Fuel pressure pipe 1D90E

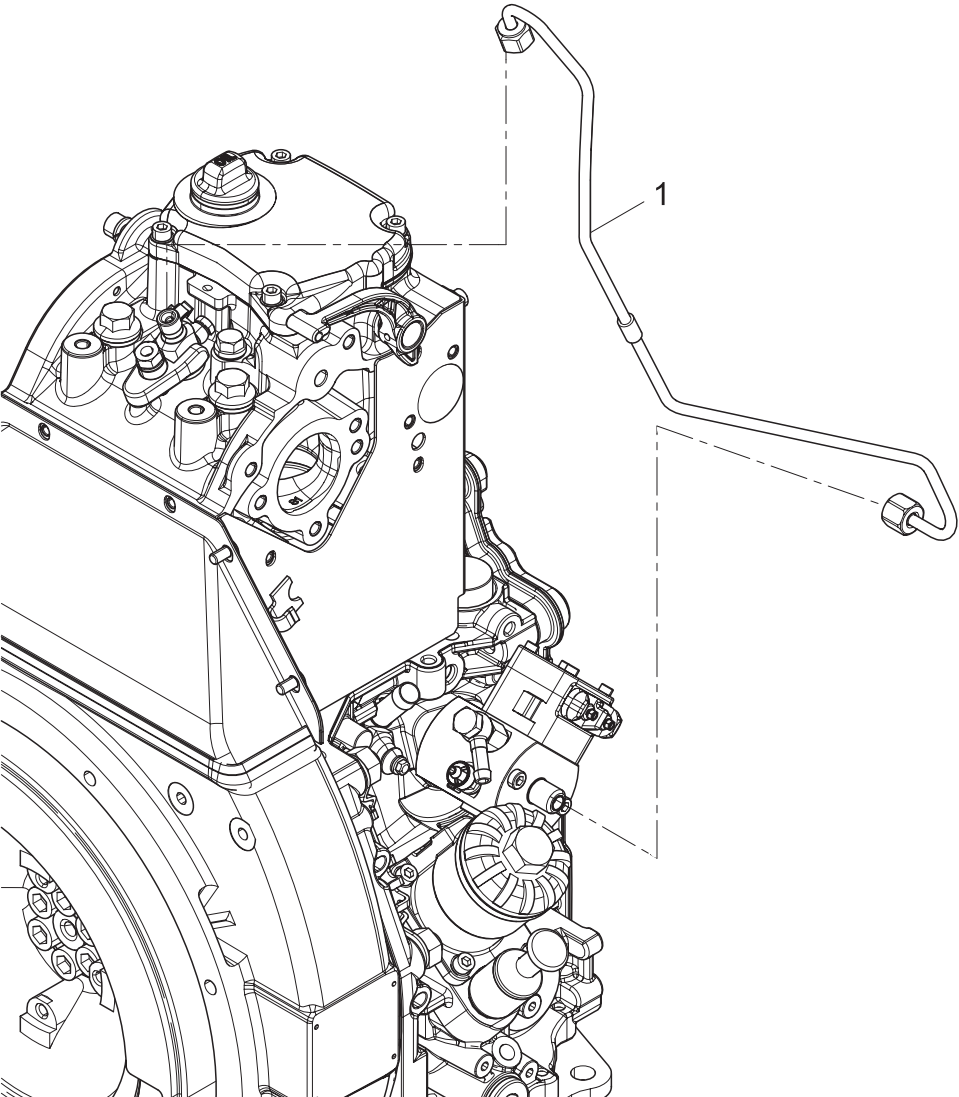
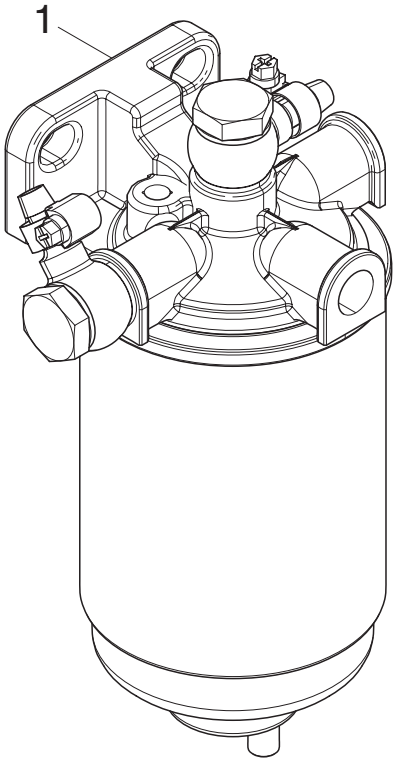


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 816 01	1		

0000 022 966 01

Fuel filter Kc 18 complete loose
Kraftstofffilter Kc 18 Kpl. Lose
Filtre A Combust. Kc 18 Kpl.
Filtre De Combust. Kc 18 Kpl.
Filtro Carb.Kc 18 K

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 025 088 00	1		



0000 020 873 00

Dry airfilter
Luftfilter Standard
Filtre A Air Sec
Filtro De Aire Seco
Filtro Aria A Secco

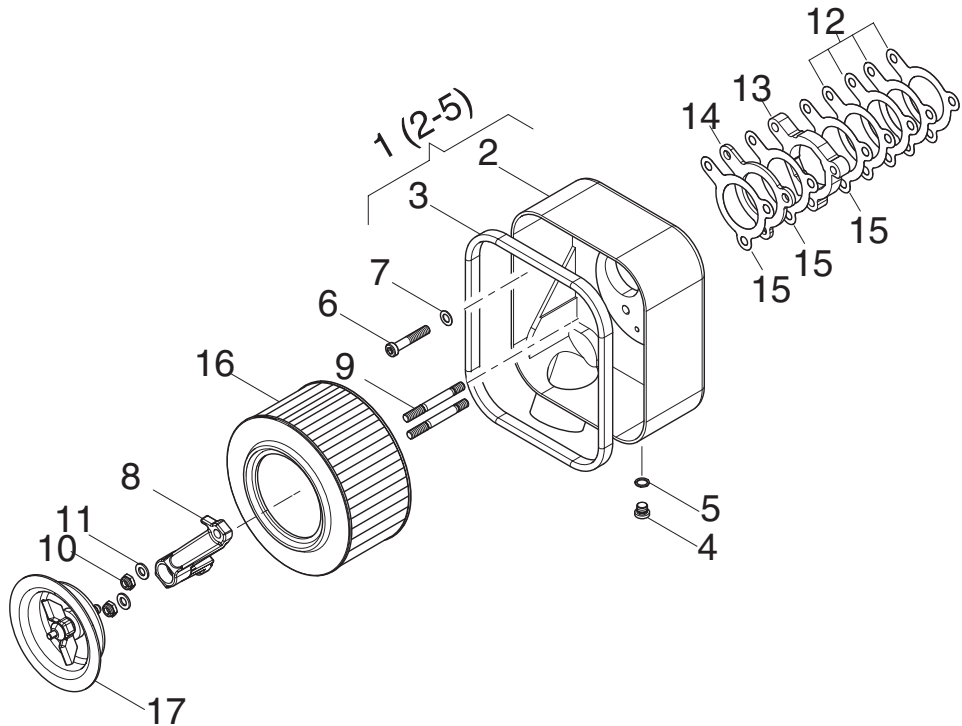


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 866 01	1		
2	-----	-		
3	0000 040 477 01	1		705 mm
4	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3B
5	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
6	0000 503 984 00	1		M 8 X 45 DIN 6912-8.8 A3B
7	0000 500 951 00	1		A 8 DIN 137 A3B
8	0000 014 834 01	1		
9	0000 500 389 00	2		M 8 x 60 DIN 855-8.8
10	0000 501 295 00	2		M 8 DIN 985-8 A3B
11	0000 501 481 00	2		8,4 DIN 125-St A3B
12	0000 012 879 00	1		
13	0000 040 473 00	1		
14	0000 040 062 00	1		
15	0000 040 063 00	1		
16	0000 014 930 01	1		
17	0000 020 242 00	1		

0000 021 154 00

Dry airfilter
Luftfilter Standard
Filtre A Air Sec
Filtro De Aire Seco
Filtro Aria A Secco

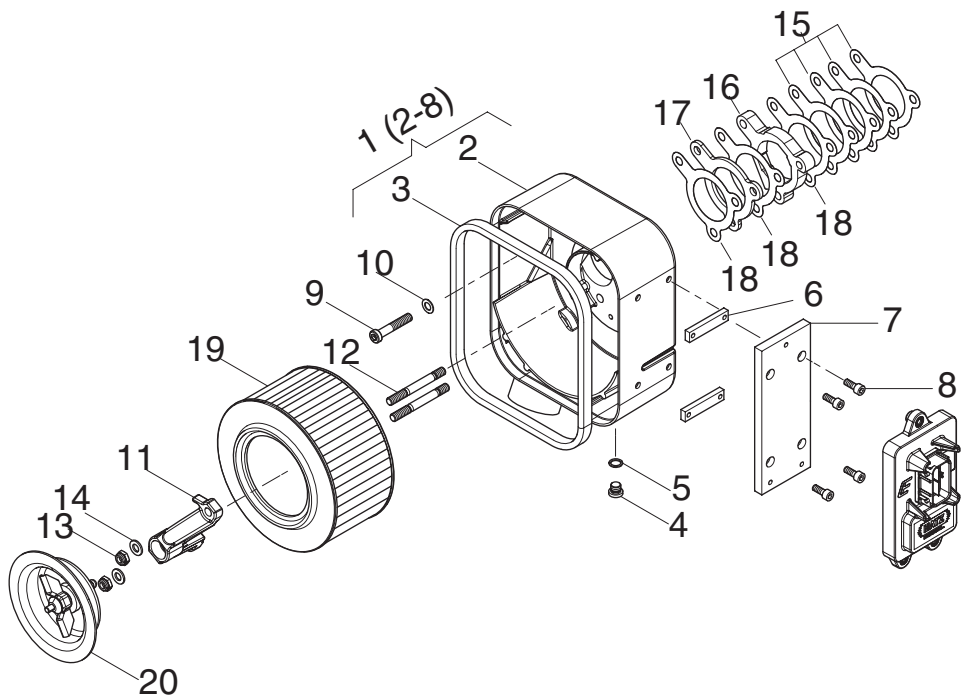


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 021 155 00	1		
2	-----	-		
3	0000 040 477 01	1		705 mm
4	0000 500 623 00	1		M 10 x 1 DIN 908-5.8 A3B
5	0000 500 624 00	1		A 10 x 13,5 DIN 7603-Cu
6	0000 056 789 00	2		
7	0000 056 788 00	1		
8	0000 501 707 00	4		M 6 x 16 DIN 912-8.8A3B
9	0000 503 984 00	1		M 8 X 45 DIN 6912-8.8 A3B
10	0000 500 951 00	1		A 8 DIN 137 A3B
11	0000 014 834 01	1		
12	0000 500 389 00	2		M 8 x 60 DIN 855-8.8
13	0000 501 295 00	2		M 8 DIN 985-8 A3B
14	0000 501 481 00	2		8,4 DIN 125-St A3B
15	0000 012 879 00	1		
16	0000 040 473 00	1		
17	0000 040 062 00	1		
18	0000 040 063 00	1		
19	0000 014 930 01	1		
20	0000 020 242 00	1		

0000 021 156 00

Airfilter maintenance indicator
Luftfilter Für Wartungsanzeige
Filt.Air Indic.Maint.
Filtro De Aire Indic.Mant.
Filtro Aria A Secco

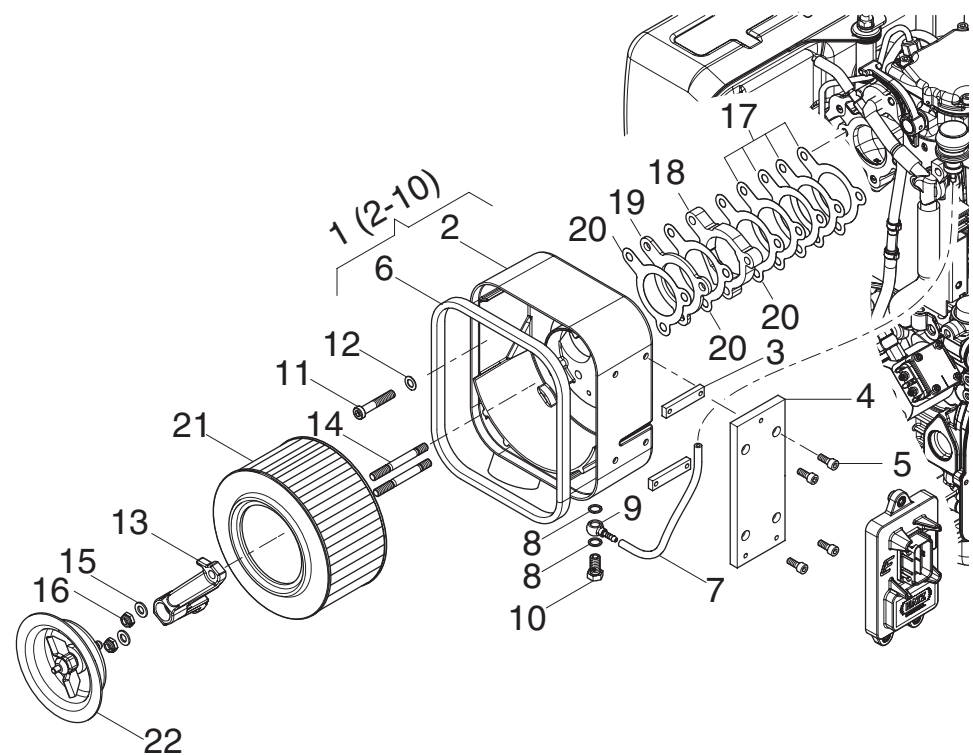


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 021 157 00	1		
2	-----	-		
3	0000 056 789 00	2		
4	0000 056 788 00	1		
5	0000 501 707 00	4		M 6 x 16 DIN 912-8.8A3B
6	0000 040 477 01	1		705 mm
7	0000 053 844 01	1		4 x 230
8	0000 500 624 00	2		A 10 x 13,5 DIN 7603-Cu
9	0000 501 595 00	1		NW 4 / 3
10	0000 500 062 00	1		6 - 3 DIN 7643
11	0000 503 984 00	1		M 8 X 45 DIN 6912-8.8 A3B
12	0000 500 951 00	1		A 8 DIN 137 A3B
13	0000 014 834 01	1		
14	0000 500 389 00	2		M 8 x 60 DIN 855-8.8
15	0000 501 295 00	2		M 8 DIN 985-8 A3B
16	0000 501 481 00	2		8,4 DIN 125-St A3B
17	0000 012 879 00	1		
18	0000 040 473 00	1		
19	0000 040 062 00	1		
20	0000 040 063 00	3		
21	0000 014 930 01	1		
22	0000 020 242 00	1		

0000 020 871 00

Airfilter maintenance indicator
Luftfilter für Wartungsanzeige
Filt.Air Indic.Mait
Filtro De Aire
Filtro Aria A Secco

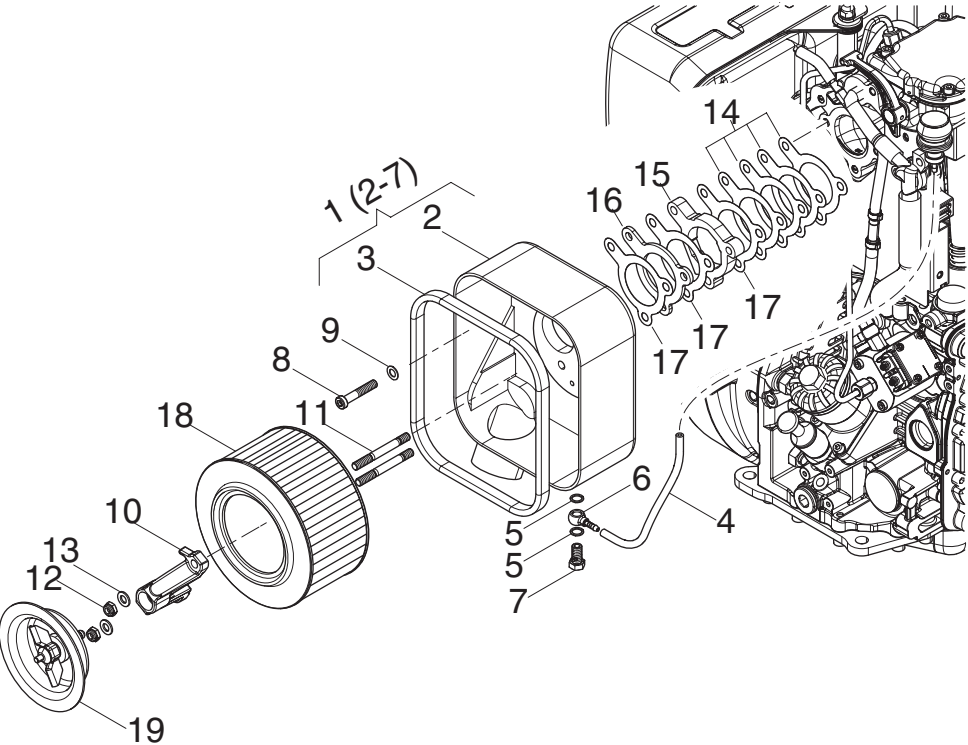


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 017 110 02	1		
2	-----	-		
3	0000 040 477 01	1		705 mm
4	0000 053 844 01	1		4 x 230
5	0000 500 624 00	2		A 10 x 13,5 DIN 7603-Cu
6	0000 501 595 00	1		NW 4 / 3
7	0000 500 062 00	1		6 - 3 DIN 7643
8	0000 503 984 00	1		M 8 X 45 DIN 6912-8.8 A3B
9	0000 500 951 00	1		A 8 DIN 137 A3B
10	0000 014 834 01	1		
11	0000 500 389 00	2		M 8 x 60 DIN 855-8.8
12	0000 501 295 00	2		M 8 DIN 985-8 A3B
13	0000 501 481 00	2		8,4 DIN 125-St A3B
14	0000 012 879 00	1		
15	0000 040 473 00	1		
16	0000 040 062 00	1		
17	0000 040 063 00	3		
18	0000 014 930 01	1		
19	0000 020 242 00	1		

0000 020 872 00

Maintenance indicator
Wartungsanzeiger
Indic. Mainten.
Indic. Manten.
Indicatore Manuten.

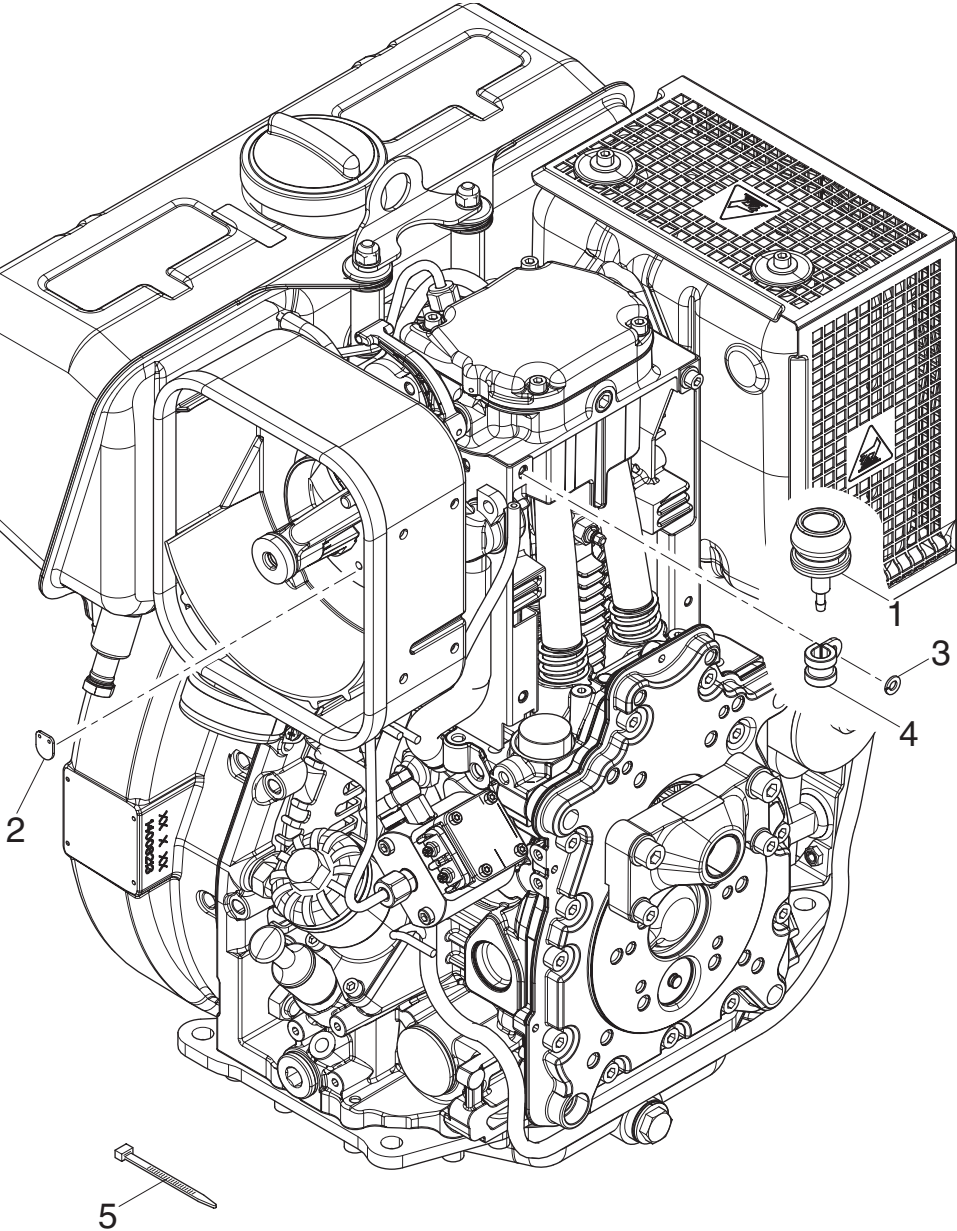


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 998 02	1		
2	0000 050 335 00	1		
3	0000 501 709 00	1		6 DIN 128 - A3B
4	0000 501 735 00	1		10 / 15
5	0000 503 584 00	1		4,8 x 200 mm Black

0000 012 795 31

Cover for airfilter
Deckel zum Luftfilter
Couvert.Filtr. Air
Tapa Filtro De Aire
Cover F. Airfilter

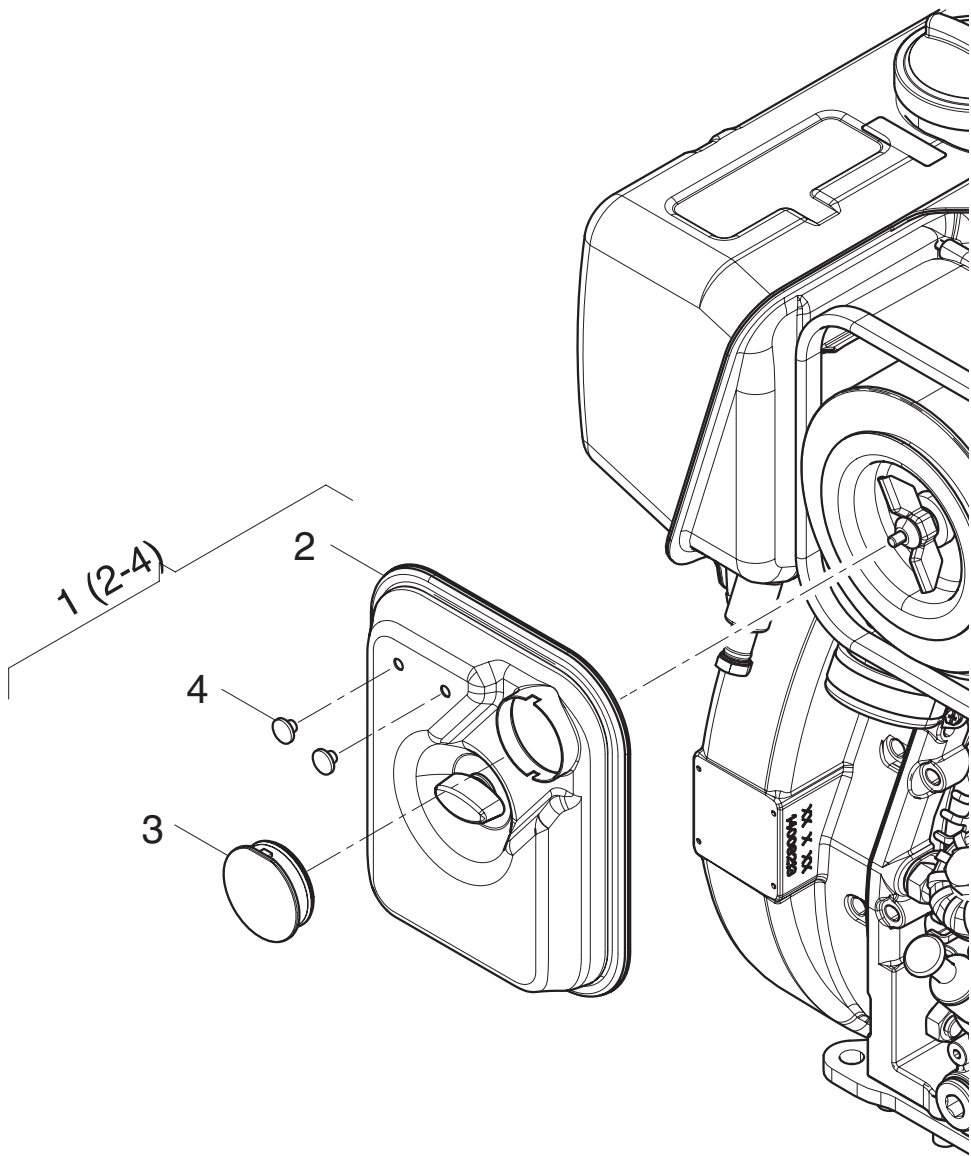


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 012 795 31	1		
2	-----	-		
3	0000 050 394 03	1		
4	0000 504 119 00	2		F 2

0000 016 852 20

Cover for airfilter + Cyclon
Deckel zum Luftfilter+Zyklon
Couv.Filt.Air+Cycl
Tapa Filt.Aire+Cicl
Cov.F.Airfilt.+Cycl

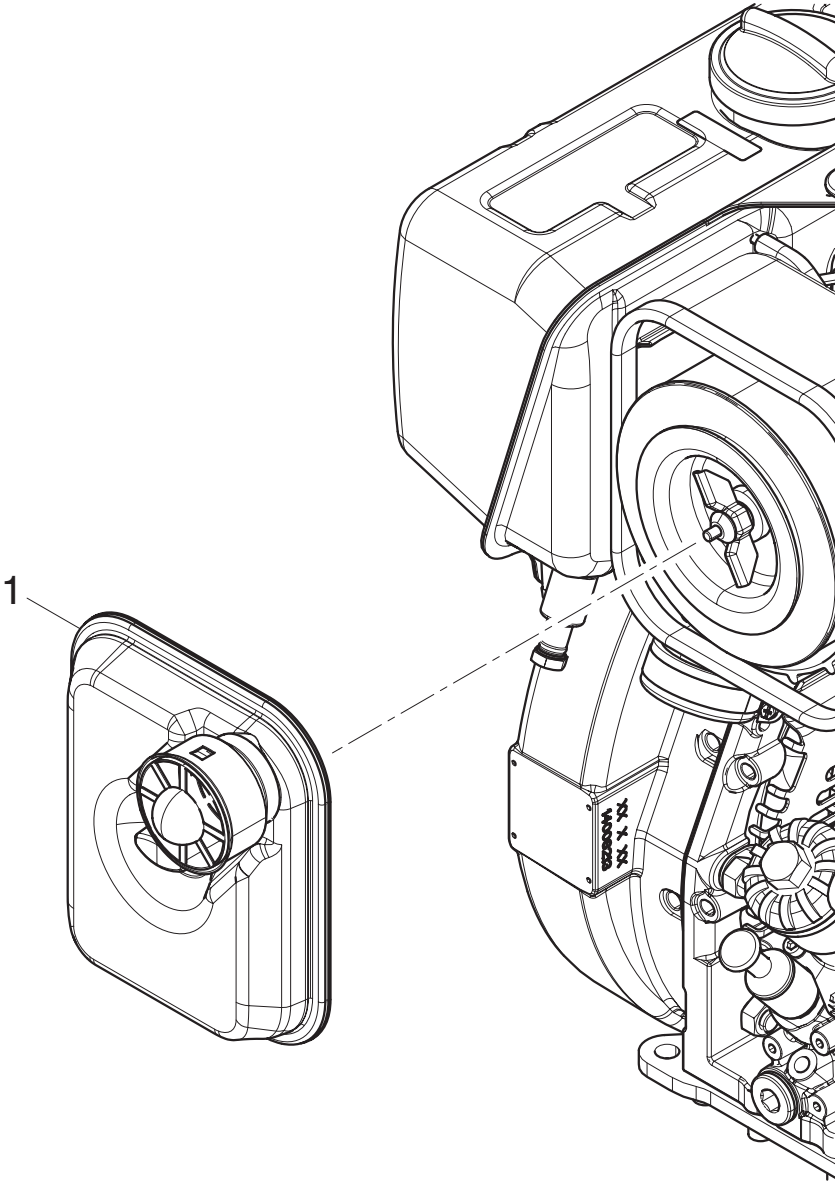


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 016 852 20	1		

0000 016 845 20

Cover for airfilter
Deckel zum Luftfilter+Zyklon
Couvert.Filtr. Air
Tapa Filtro De Aire
Cover F. Airfilter

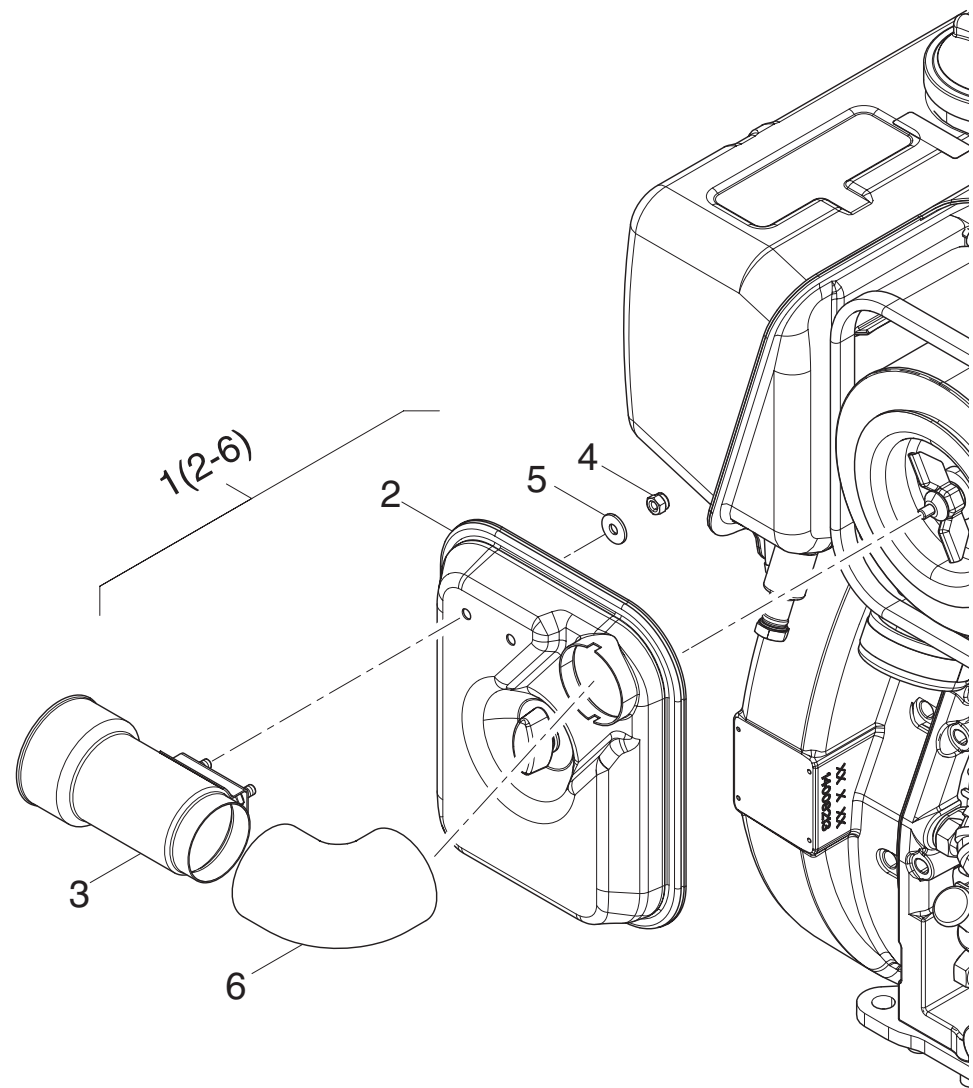
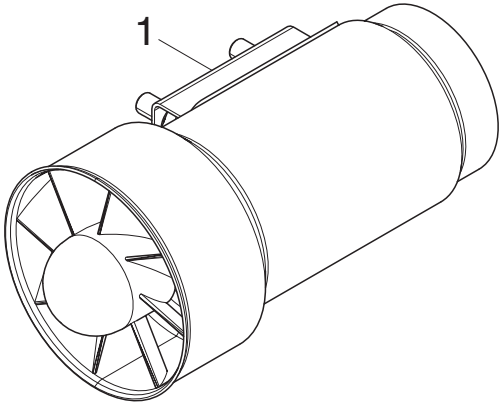


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 016 845 20	1		
2	-----	-		
3	0000 014 910 12	1		
4	0000 506 024 00	2		M 6 DIN 982 - 8 A3B
5	0000 501 200 00	2		A 6,4 DIN 9021-St A3B
6	0000 050 389 11	1		

0000 014 910 12

Cyclone
Zyklon
Cyclone
Ciclon
Ciclone

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 014 910 12	1		



0000 021 181 00

Manifold cyclone + mounting
Krümmer Zyklon+Befestigung
Manifold cyclone + mounting
Manifold cyclone + mounting
Manifold cyclone + mounting

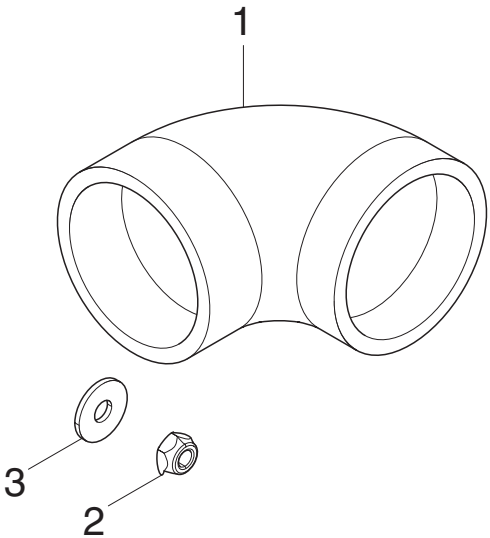


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 050 389 11	1		
2	0000 400 283 00	2		VM 6 DIN 980 C3P
3	0000 501 200 00	2		A 6,4 DIN 9021-St A3B

0000 020 750 00

Cap + Hose clip
Abdeckkappe mit Schelle
Chapeau + Collier Tuyau
Caperucita + Abrazadera
Cappellotto

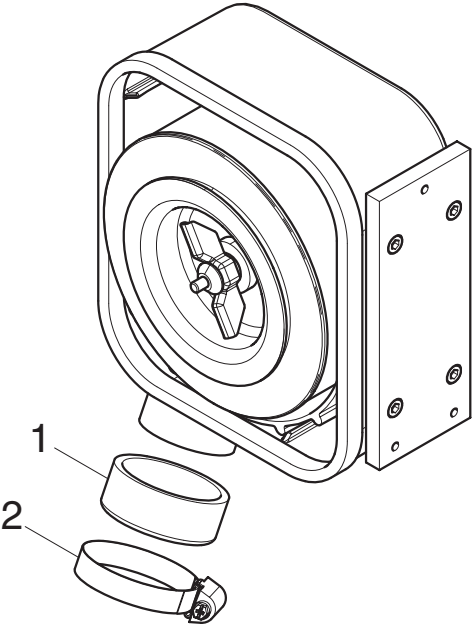


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 005 759 00	1		
2	0000 504 066 00	1		Ø 40 - 60

0000 011 295 01

Flange exhaust pipe
Flansch für Abgasleitung
Flasque Tube Echapp
Bride Turbo Escape
Flangia Scarico

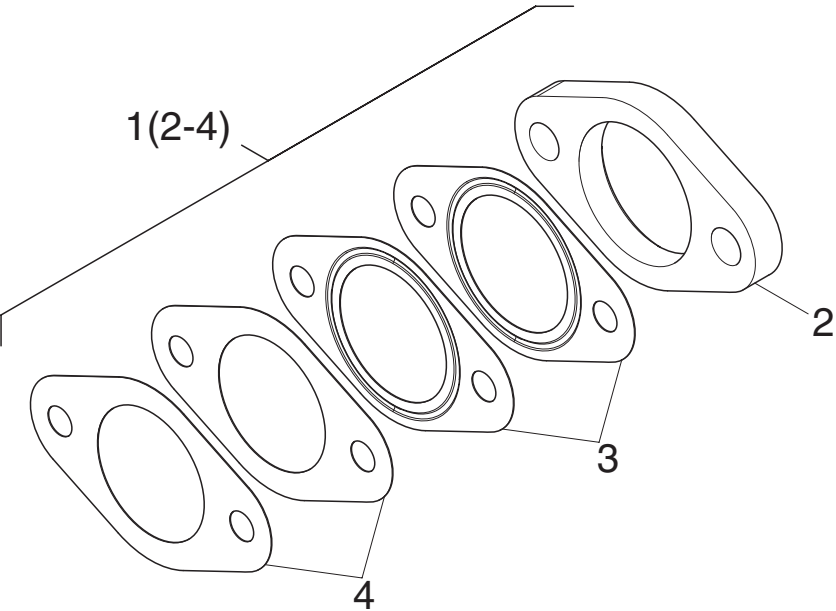


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 025 141 00	1		
2	-----	-		
3	0000 039 850 00	2		
4	0000 500 023 01	2		

0000 021 299 00

Fixing parts for starter exhaust
Befestigungsteile Abgasdämpfer
Pieces De Fixation P. Silencieux
Piezas De Fijacion P. Silenciador
Fixing Parts F. Exhaust Silencer

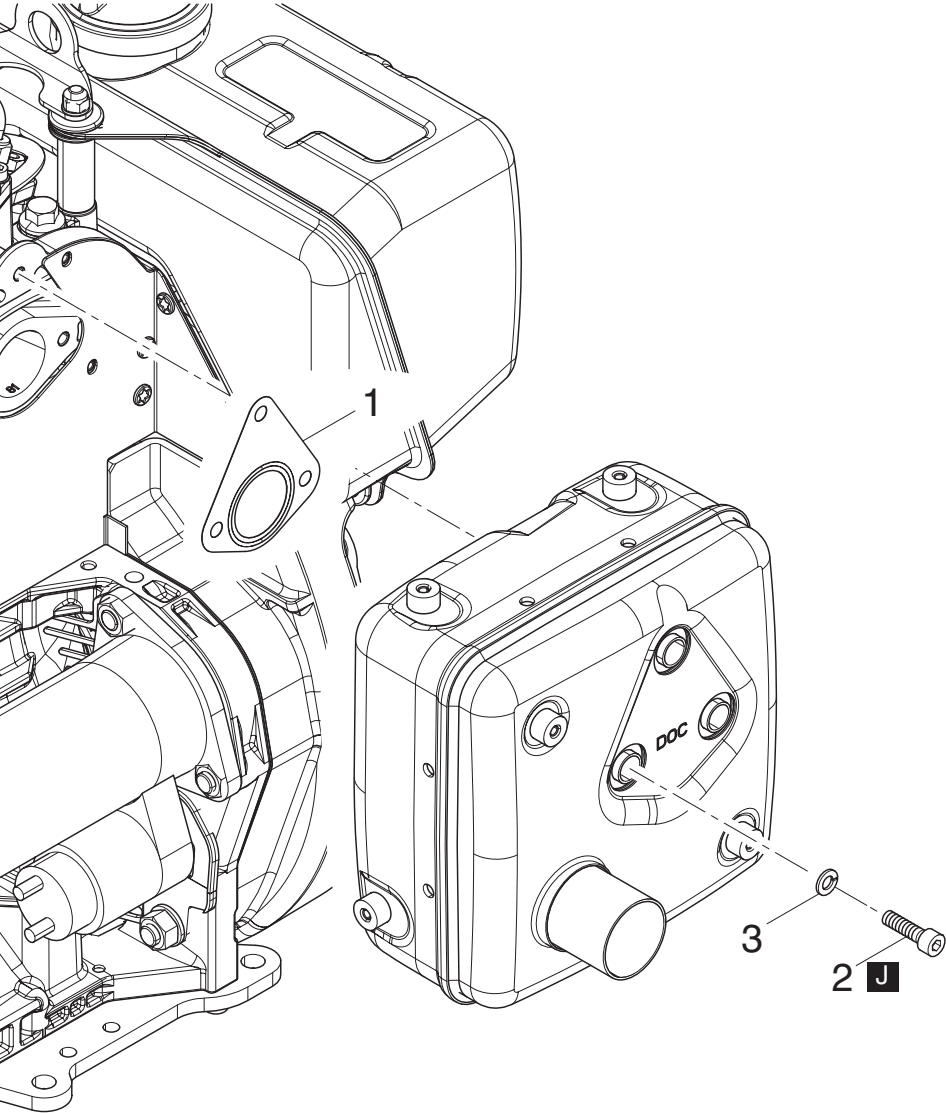


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		

0000 011 812 03

Exhaust silencer
Abgasdämpfer seitlich
Silencieux S
Silenciador S
Marmitta Silenziata

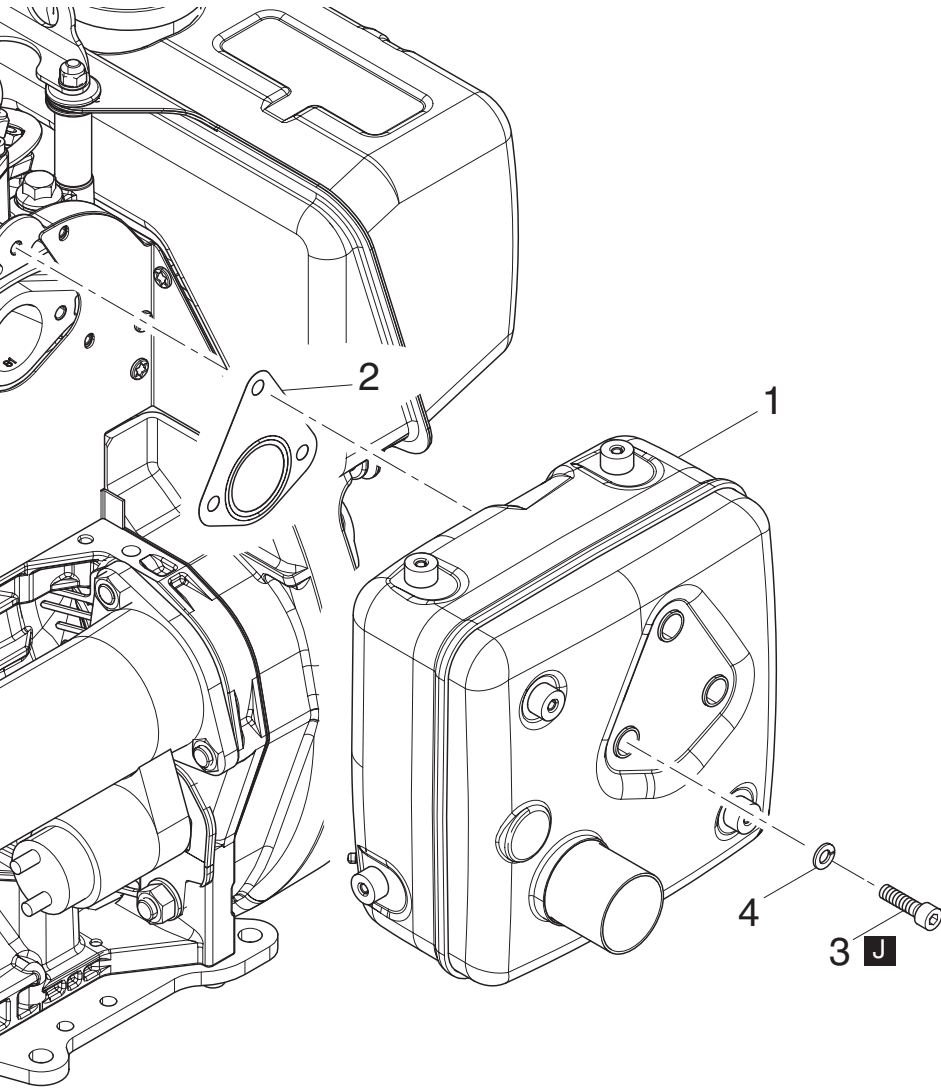


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 011 813 12	1		
2	0000 039 743 00	1		
3	0000 504 040 00	3		M 8 X 30 DIN 912-8.8 C4P
4	0000 502 085 00	3		8 DIN 128 A3B

0000 024 833 00

Exhaust silencer with DOC
Abgasdämpfer seitlich mit DOC
Silencieux Avec Pot Catalyt. DOC
Silenciador Con Catalizador DOC
Exhaust Silencer With DOC

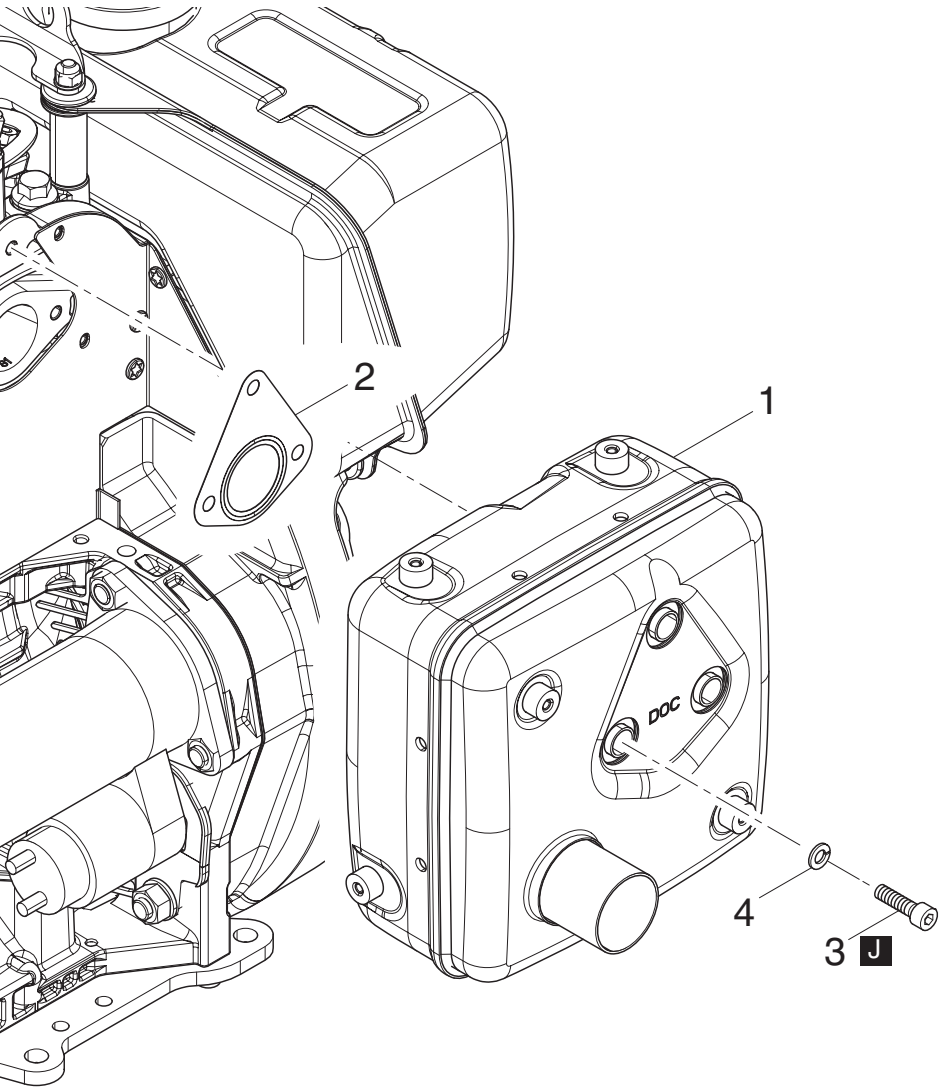


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 024 755 01	1		
2	0000 039 743 00	1		
3	0000 504 040 00	3		M 8 X 30 DIN 912-8.8 C4P
4	0000 502 085 00	3		8 DIN 128 A3B

0000 014 155 02 Exhaust silencer
Abgasdämpfer Austritt Abluftseitig
Silencieux
Silenciador
Marmitta

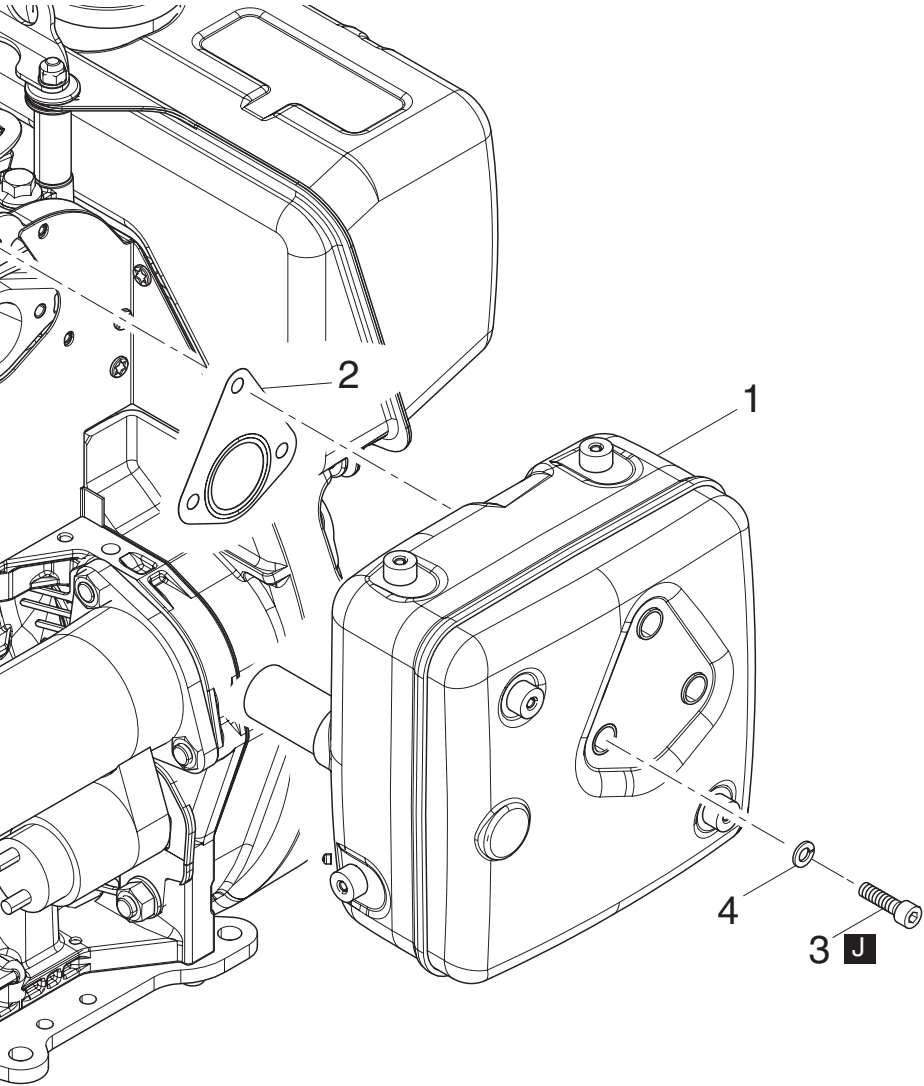


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 163 12	1		
2	0000 039 743 00	1		
3	0000 504 040 00	3		M 8 X 30 DIN 912-8.8 C4P
4	0000 502 085 00	3		8 DIN 128 A3B

0000 024 834 00

Exhaust silencer with DOC
Abgasdämpfer Austritt Abluftseitig mit DOC
Silencieux Avec Pot Catalyt. DOC
Silenciador Con Catalizador DOC
Exhaust Silencer With DOC

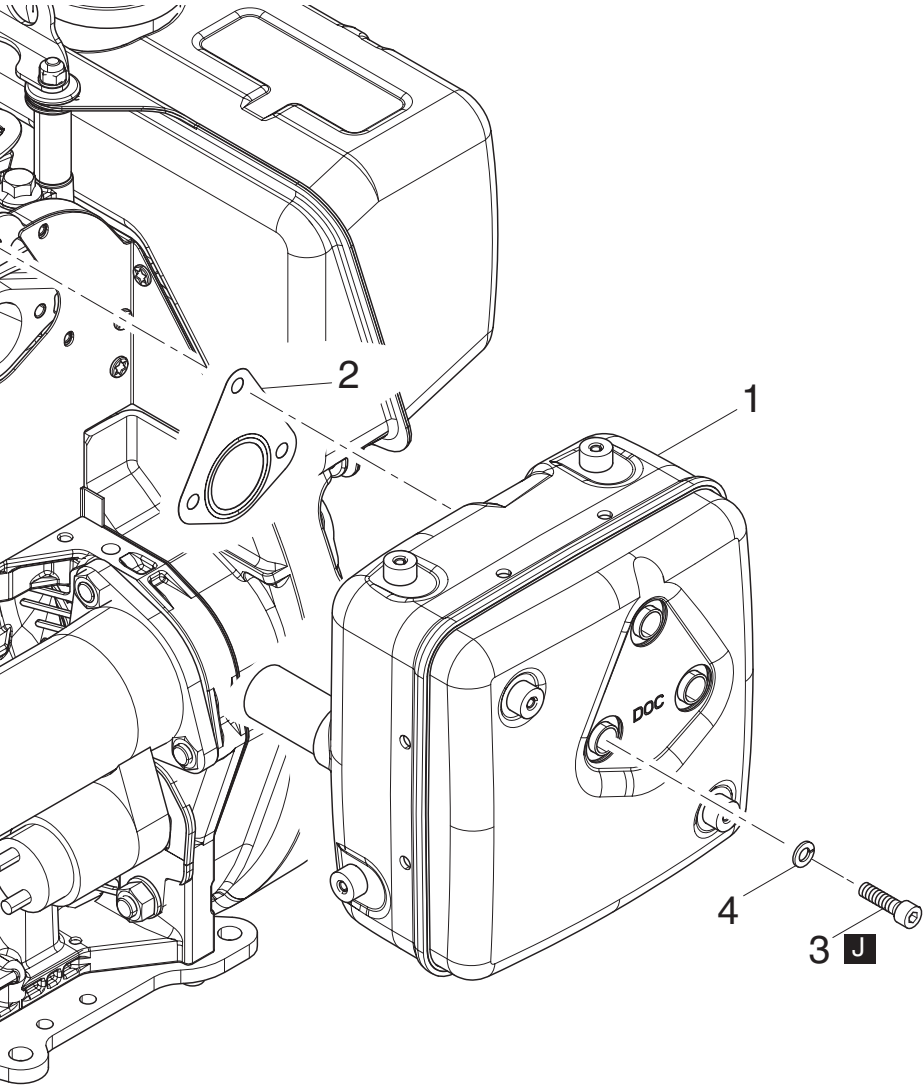


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 024 756 01	1		
2	0000 039 743 00	1		
3	0000 504 040 00	3		M 8 X 30 DIN 912-8.8 C4P
4	0000 502 085 00	3		8 DIN 128 A3B

0000 011 922 02

Guard
Beruehrungsschutz Abgasdämpfer
Grille Protection
Proteccion Silenciador „S“
Griglia Prot.Marm.

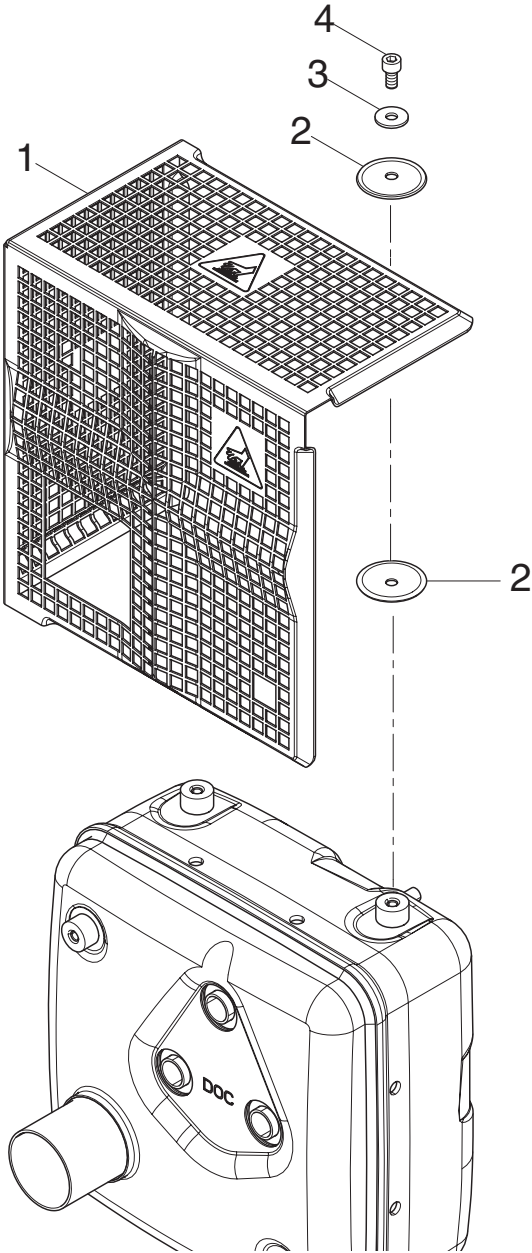


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 011 919 03	1		
2	0000 050 342 02	10		6,5 x 38
3	0000 501 200 00	5		A 6,4 DIN 9021-St A3B
4	0000 502 557 00	5		M 6 x 12 DIN 912-8.8C4A

0000 014 371 00

Exhaust elbow
Abgasrohr gebogen
Coude D'Echappement
Codo De Escape
Curva Corta

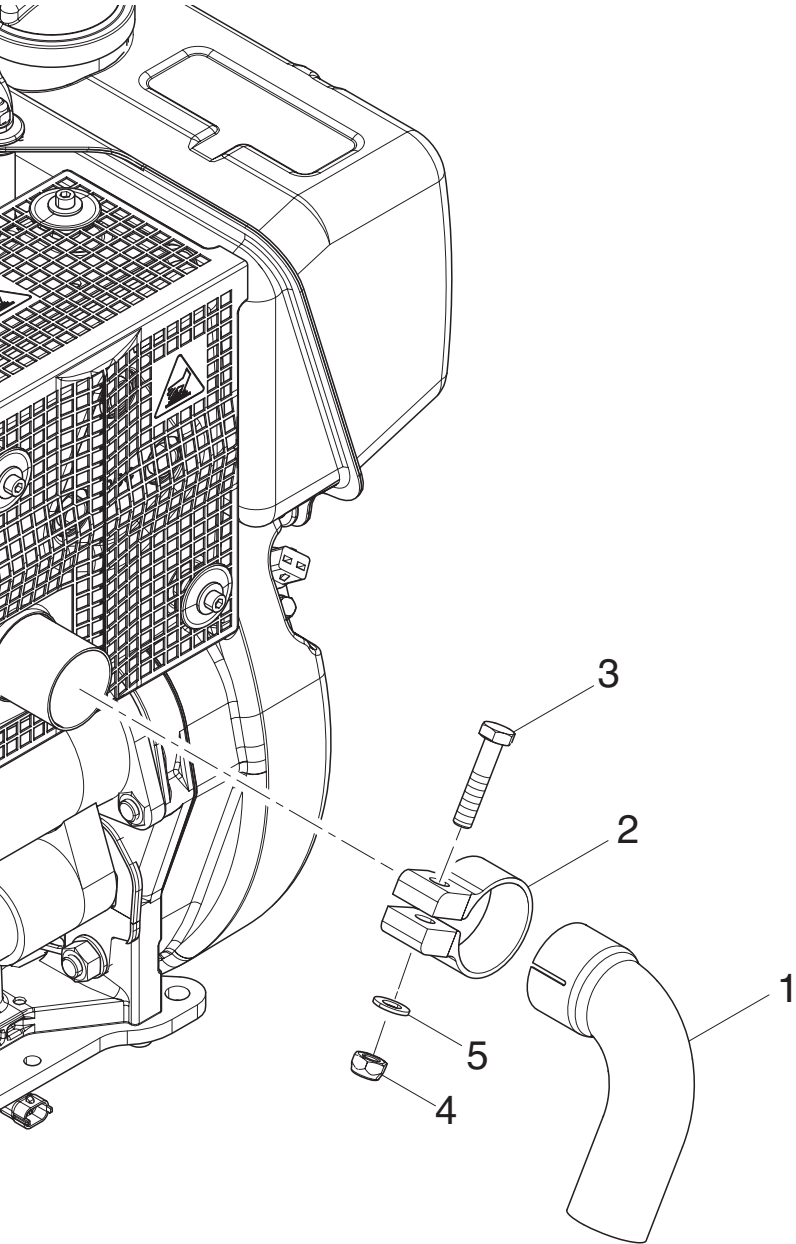


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 038 773 00	1		
2	0000 038 777 00	1		52,5 mm
3	0000 502 495 00	1		M 10 x 50 DIN 931-8.8 A3B
4	0000 400 286 00	1		VM 10 DIN 980-8 C3A
5	0000 501 459 00	1		10,5 DIN 125-St A3B

0000 021 015 00

Exhaust elbow 115°
Abgasrohr 115 Grad
Coude D'Echappement 115 Grad
Codo De Escape 115 Grad
Curva Corta 115 Grad

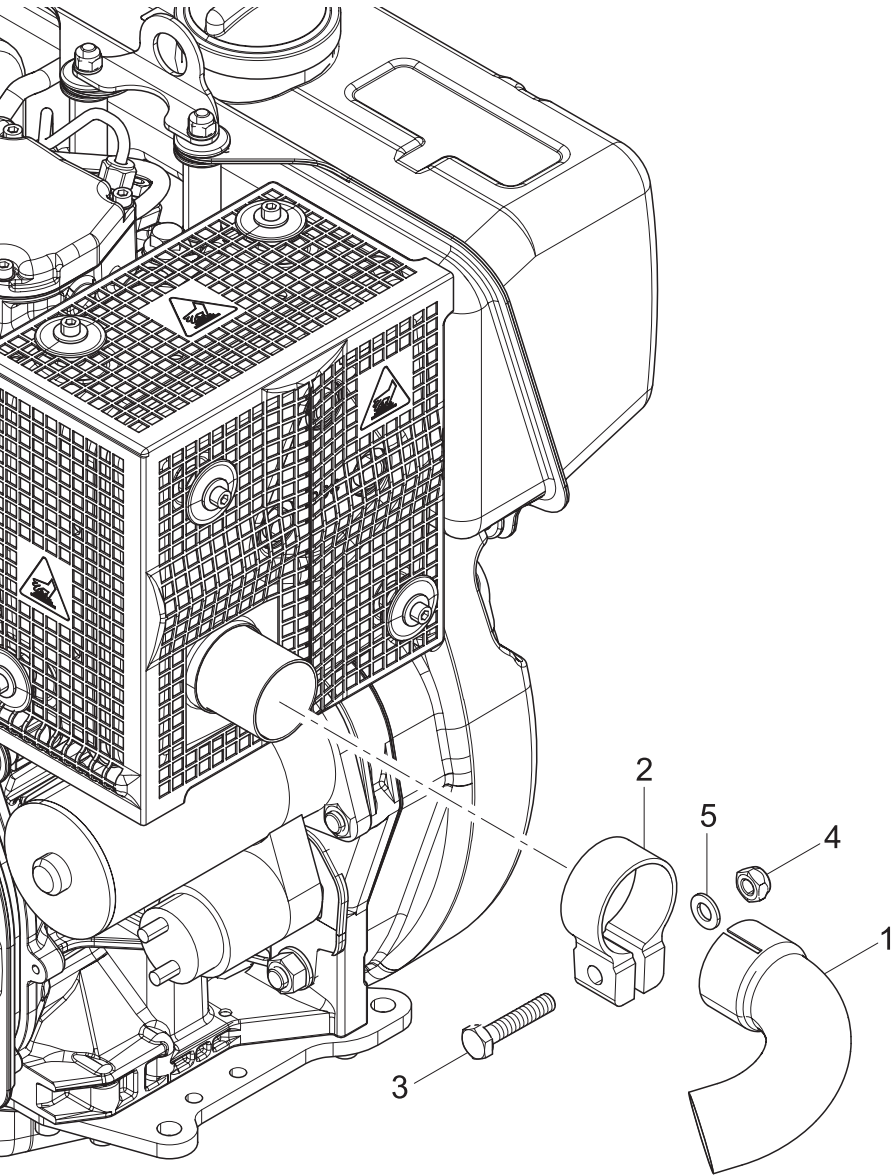


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 052 105 01	1		
2	0000 038 777 00	2		52,5 mm
3	0000 502 495 00	3		M 10 x 50 DIN 931-8.8 A3B
4	0000 400 286 00	4		VM 10 DIN 980-8 C3A
5	0000 501 459 00	5		10,5 DIN 125-St A3B

0000 014 157 01

Exhaust elbow top
Abgasrohr gebogen oben
Coude Echappem.Haut
Codo De Escape Arri
Gomito

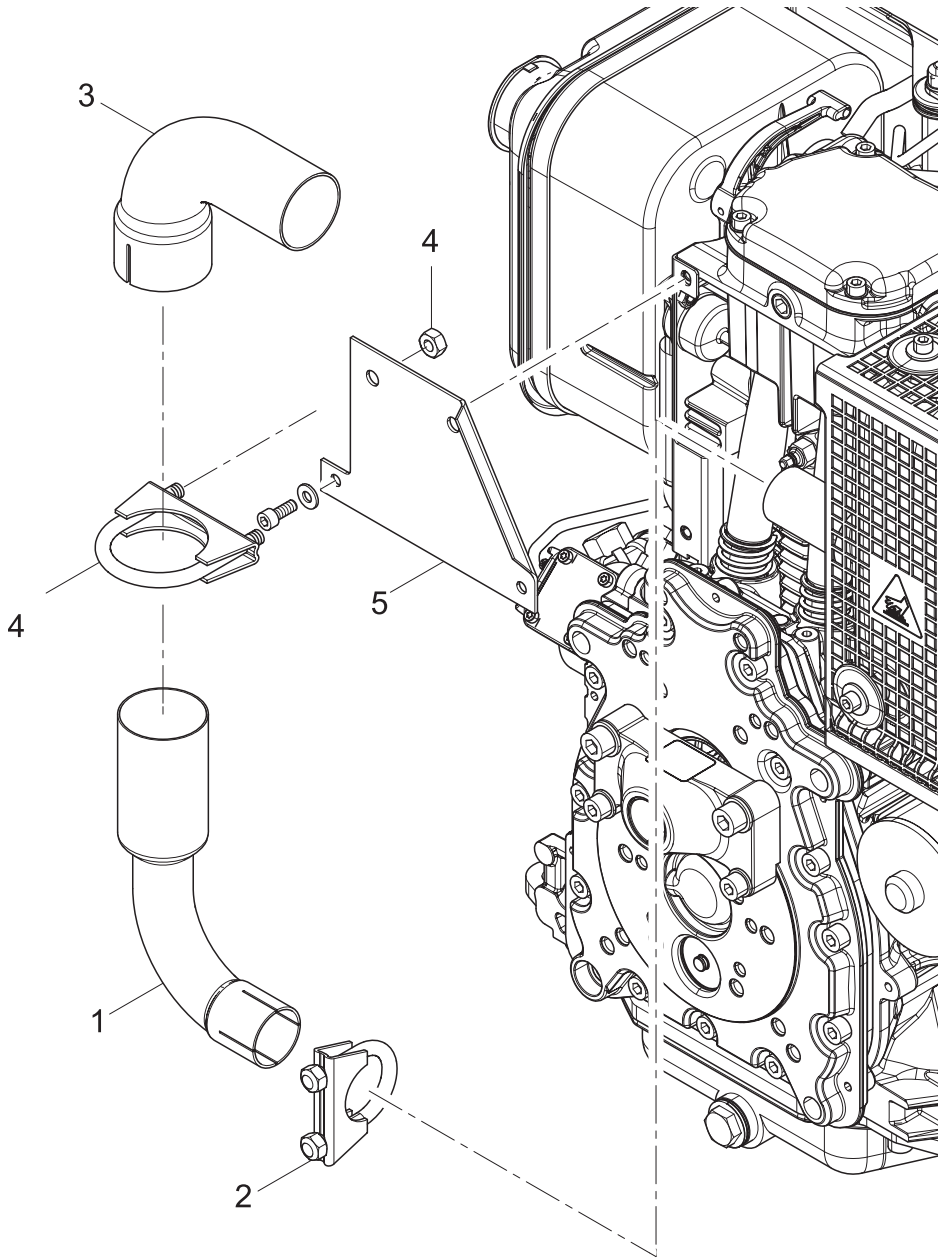


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 970 00	1		
2	0000 503 881 00	1		3/8-36
3	0000 038 773 00	1		
4	0000 504 103 01	1		50-52
5	0000 050 720 00	1		

0000 014 352 00

Exhaust tube
Abgasrohr gerade
Tube D'Echappement
Tubo De Escape
Tubo Scarico

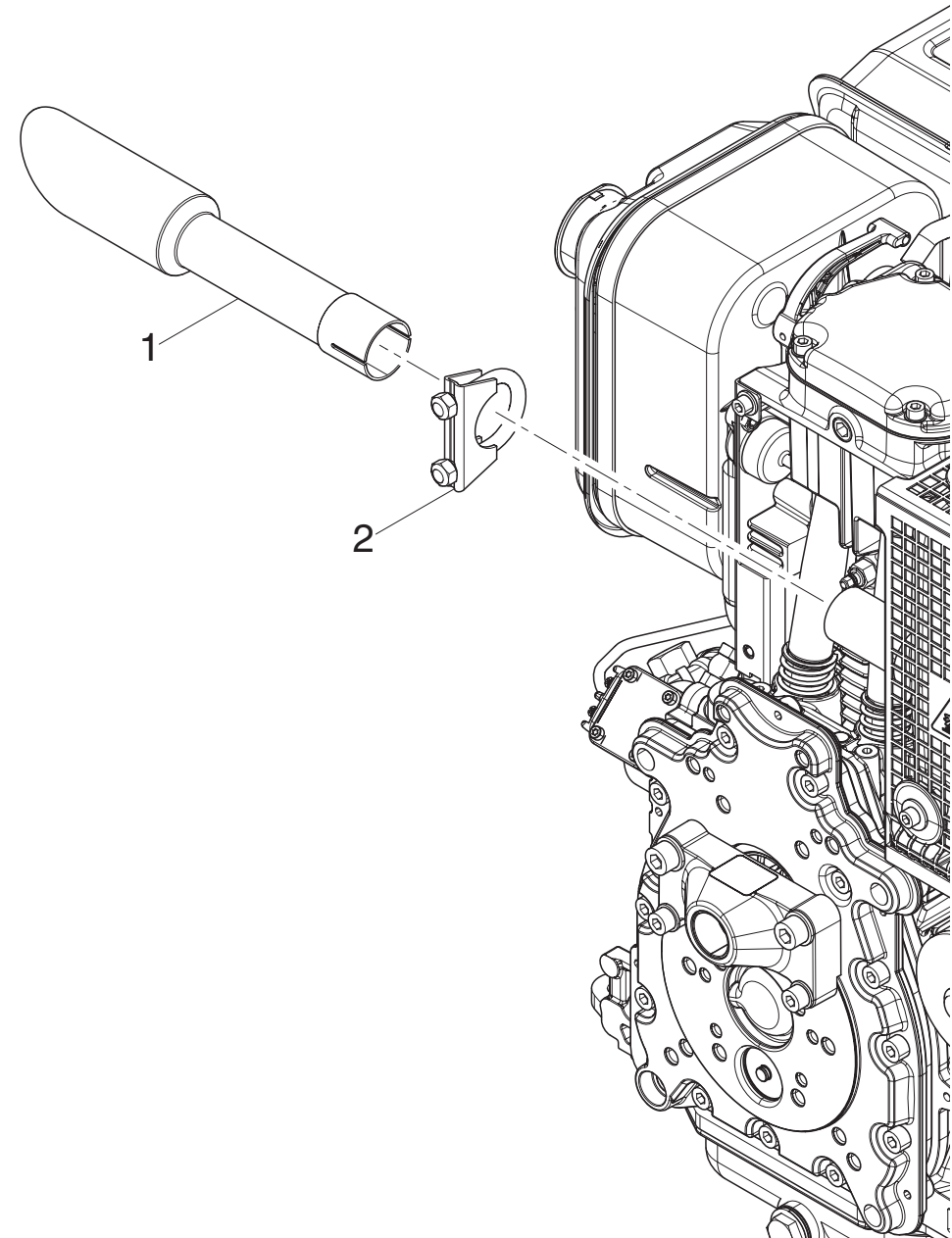


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 971 01	1		
2	0000 503 881 00	1		3/8-36

0000 014 743 00

Cranking device
Mitnehmer zur Nockenwelle
Douille Entraînem.
Disposit.De Acciona
Innesto Rotazione

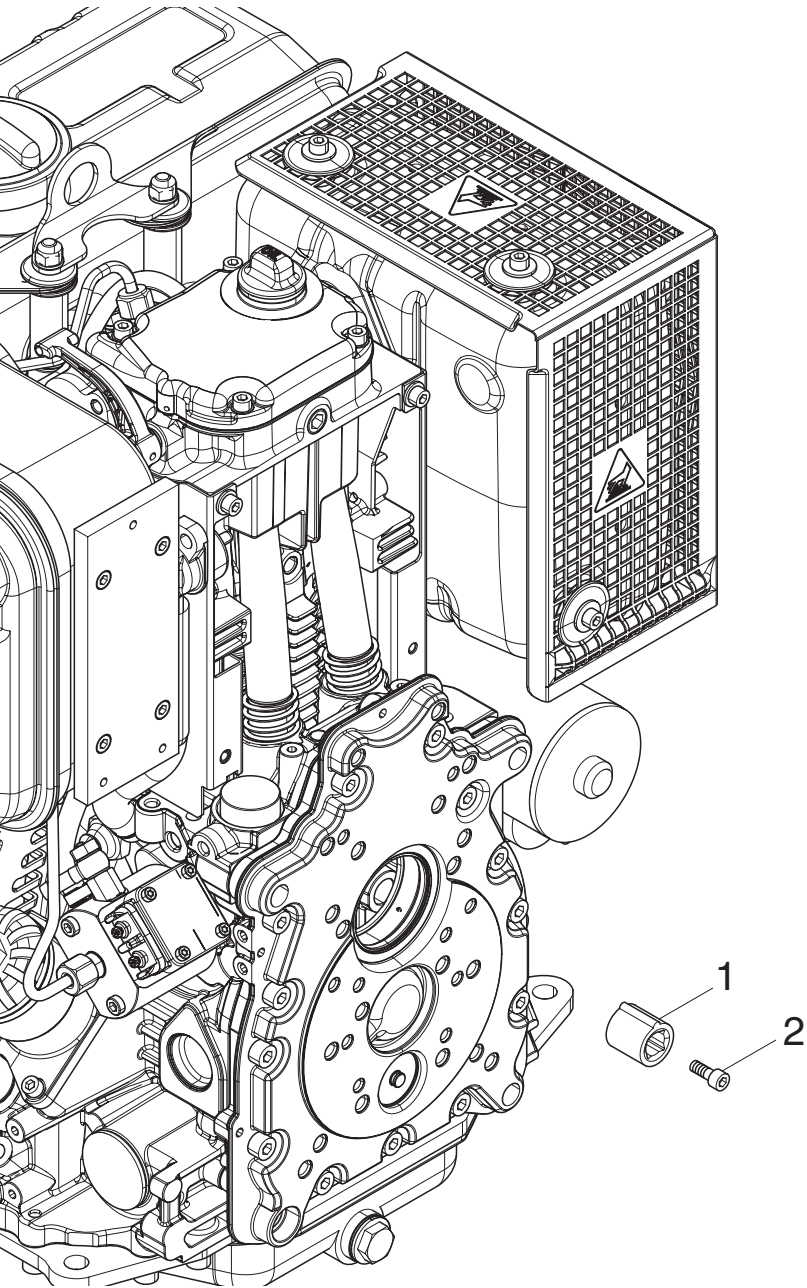


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 829 00	1		1/2"
2	0000 501 349 00	1		M 8 X 16 DIN 6912-8.8 A3B

0000 012 540 01

Crank jaw left
Andrehklaue Links
Griffe Entrainement
Garra En Rampa
Innesto Manovella Sx

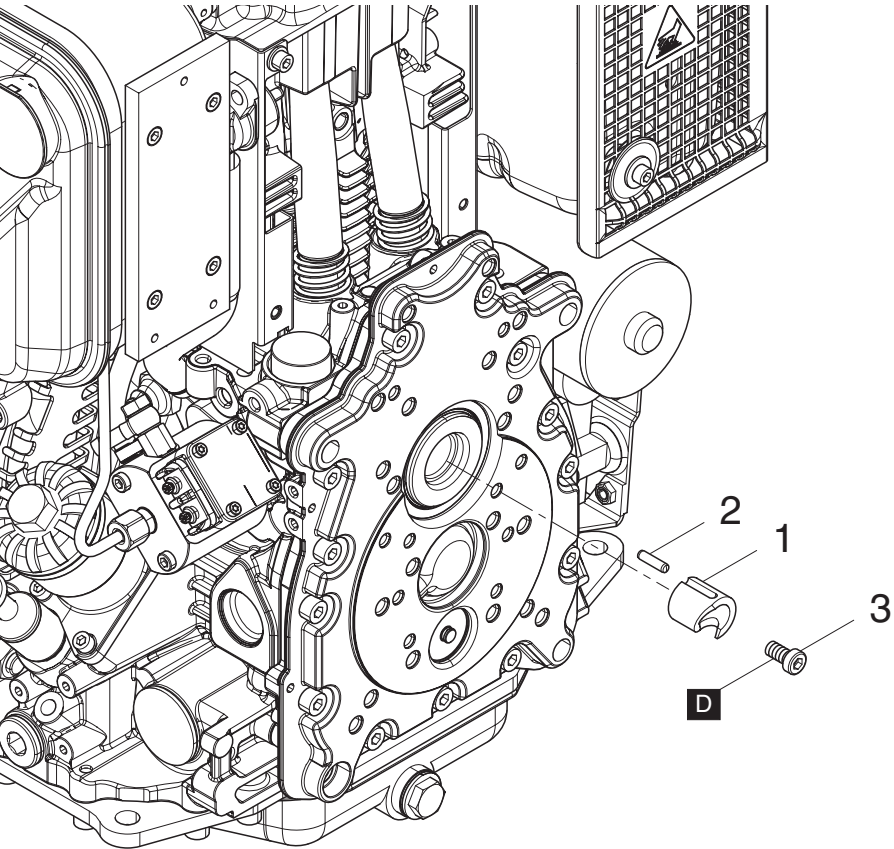


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 203 10	1		
2	0000 503 871 00	1		5 M6 X 20 DIN 6325
3	0000 501 349 00	1		M 8 X 16 DIN 6912-8.8 A3B

0000 011 873 03

Guiding shell 80
Führungshülse 80
Douille De Guid. 80
Guia Manivela 80 M.M.
Guida Manovella 80

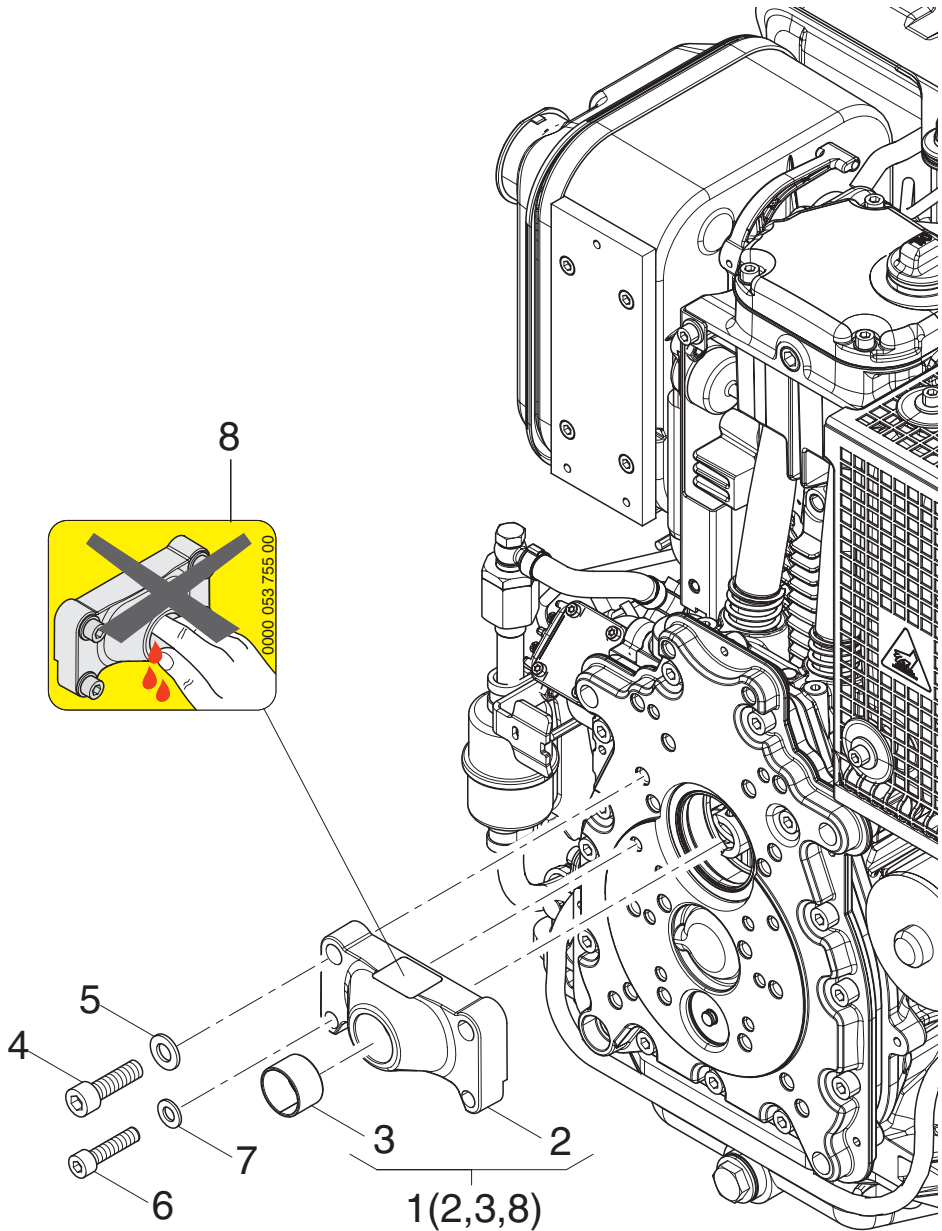


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 636 00	1		
2	-----	-		
3	0000 503 876 02	1		
4	0000 503 278 00	2		
5	0000 501 459 00	2		M10 X 35 DIN 912-8.8 A3B
6	0000 501 830 00	2		10,5 DIN 125-St A3B
7	0000 501 481 00	2		M 8 X 35 DIN 912-8.8 A3B
8	0000 053 755 00	1		8,4 DIN 125-St A3B

0000 014 594 00

Guiding shell 80-200
Führungshülse 80-200
Douille De Guidage 80-200
Guia Manivela 80-200
Guida Manovella 80-200

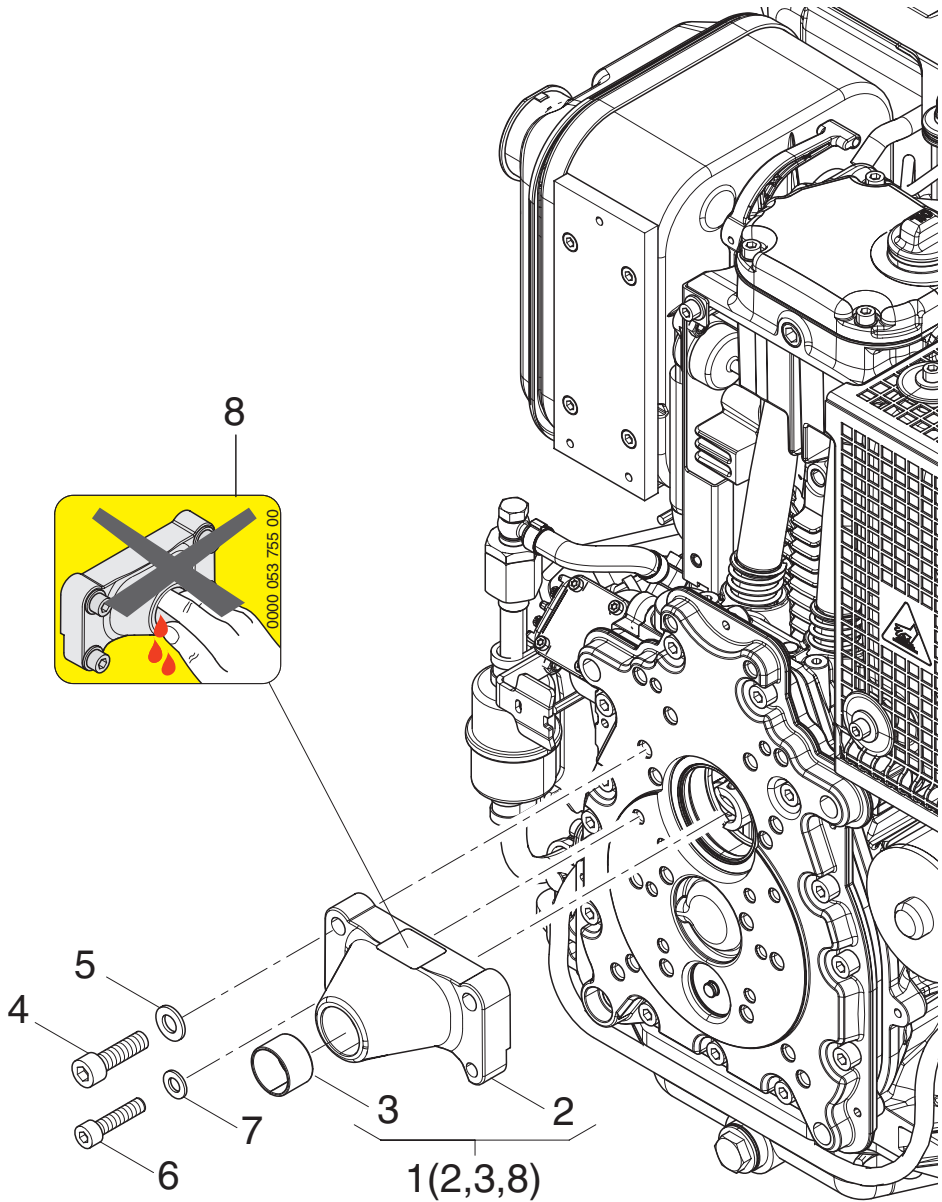


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 595 00	1		80 - 200 mm
2	-----	-		
3	0000 503 876 02	1		
4	0000 503 278 00	2		M10 X 35 DIN 912-8.8 A3B
5	0000 501 459 00	2		10,5 DIN 125-St A3B
6	0000 501 830 00	2		M 8 X 35 DIN 912-8.8 A3B
7	0000 501 481 00	2		8,4 DIN 125-St A3B
8	0000 053 755 00	1		

0000 014 331 00

Guiding shell 200-265
Führungshülse 200-265
Douille De Guidage
Guia Manivela 275 M.M.
Guida Manovella

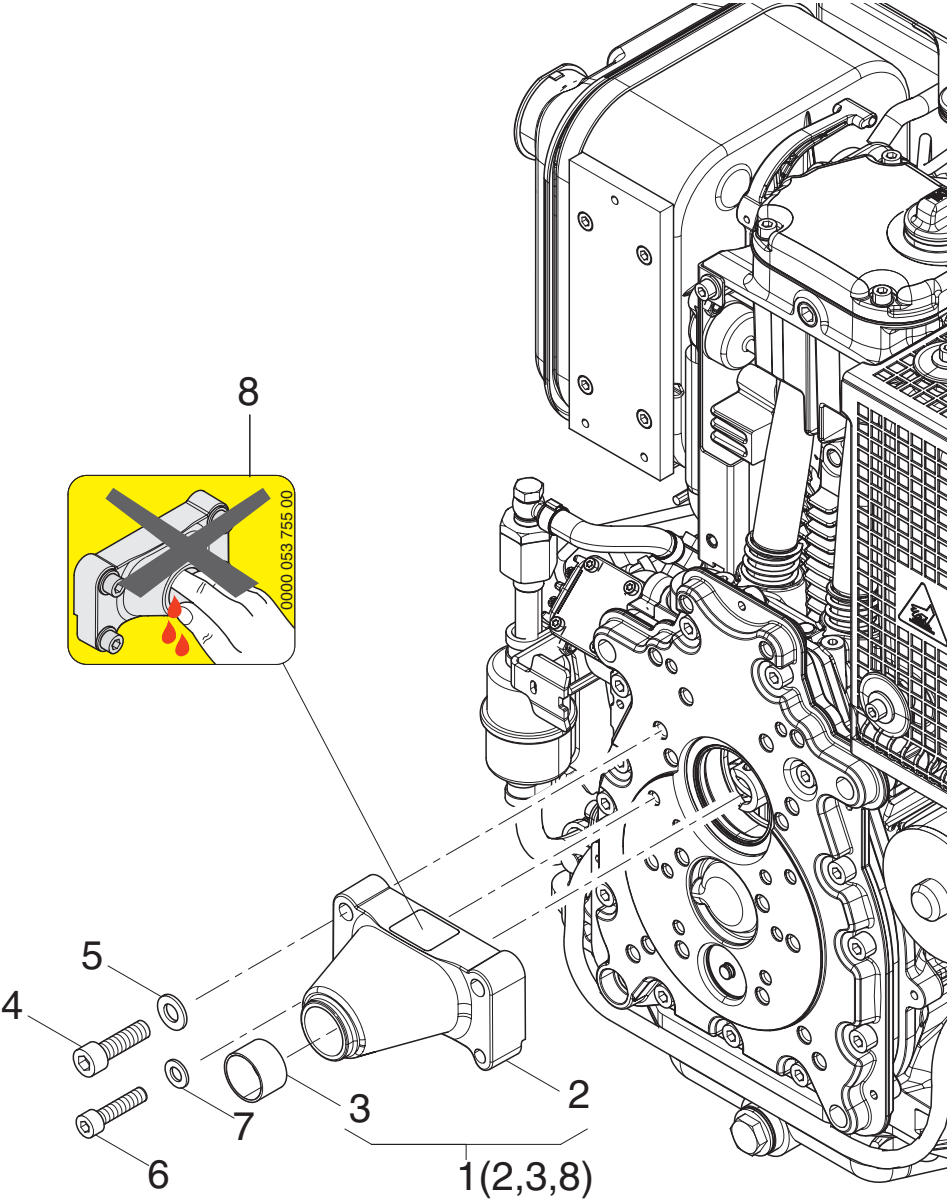
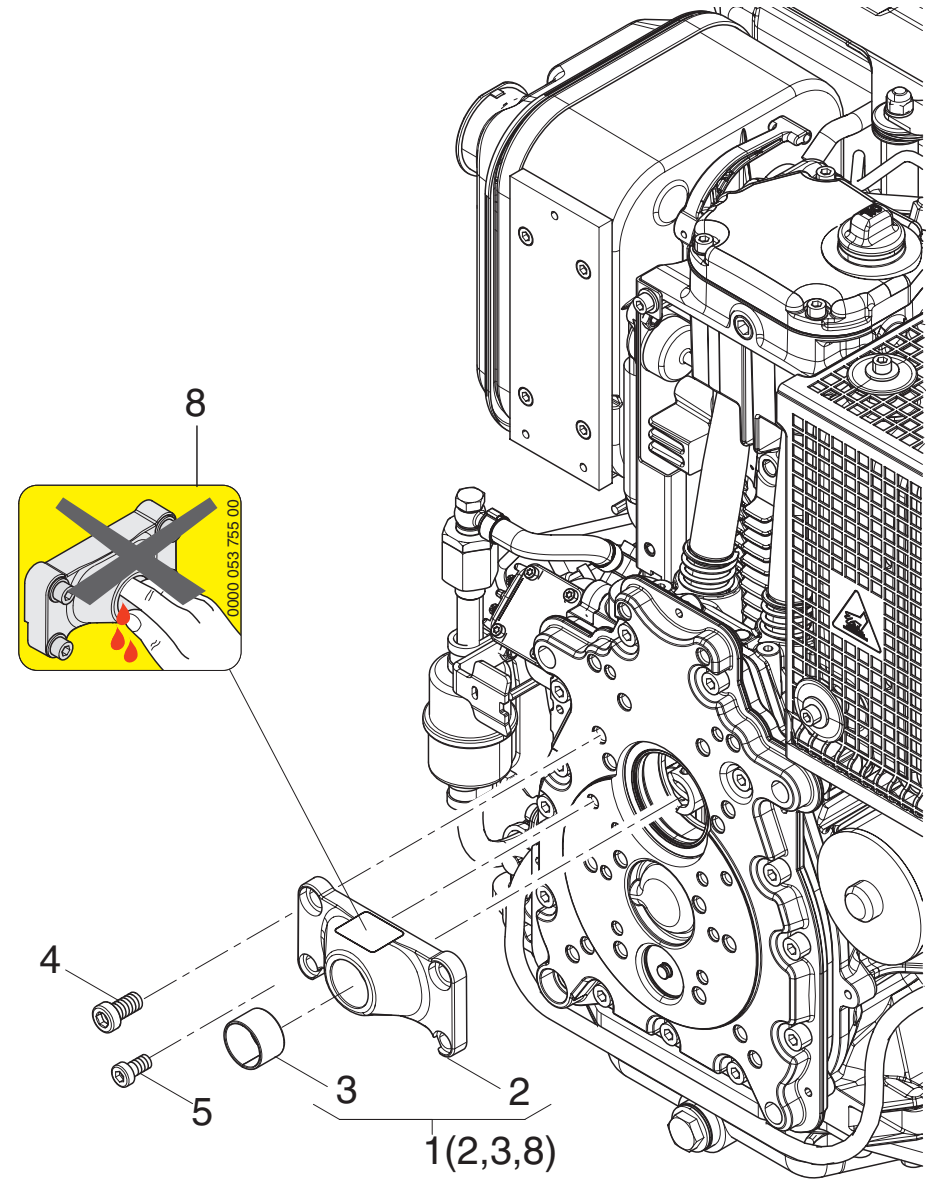


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 333 00	1		200 - 265 mm
2	-----	-		
3	0000 503 876 02	1		
4	0000 503 278 00	2		M10 X 35 DIN 912-8.8 A3B
5	0000 501 459 00	2		10,5 DIN 125-St A3B
6	0000 501 830 00	2		M 8 X 35 DIN 912-8.8 A3B
7	0000 501 481 00	2		8,4 DIN 125-St A3B
8	0000 053 755 00	1		

0000 021 298 00

Guiding shell Customer A
Führungshülse Kunde A
Douille De Guid.
Guia Manivela
Guida Manovella

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 020 712 00	1		
2	-----	-		
3	0000 503 876 02	1		
4	0000 500 537 01	2		M10 X 20 DIN 6912-8.8 A3B
5	0000 501 349 00	2		M 8 X 16 DIN 6912-8.8 A3B
8	0000 053 755 00	1		



0000 010 107 02

Starting handle safety A
Sicherheitskurbel A
Maniv.Securitee A
Maniv.Securidad A
Manovella Sicurezza

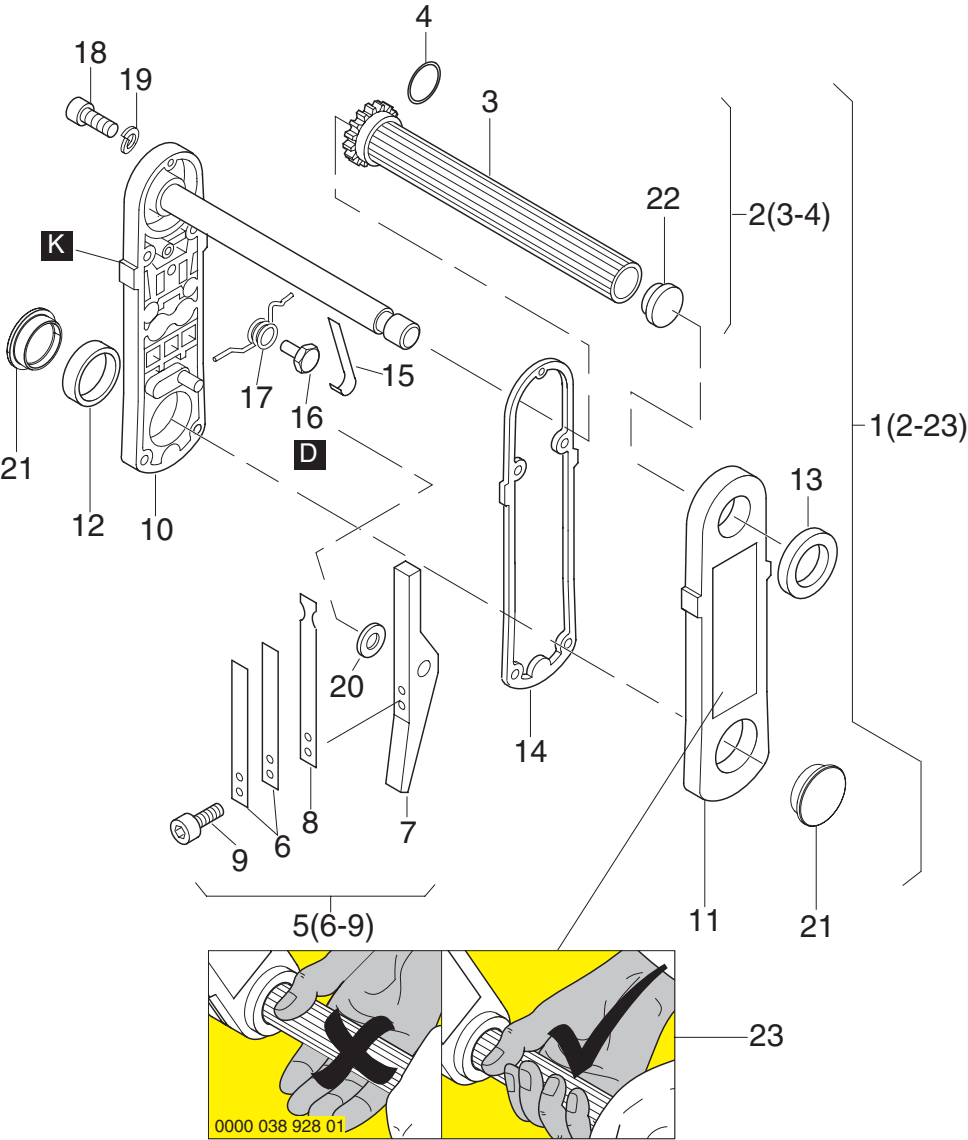
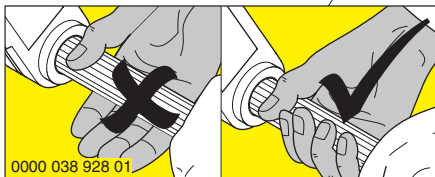


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1090E				
1	0000 010 278 05	1		„A“
2	0000 010 113 10	1		
3	-----	-		
4	0000 501 691 00	1		19 x 1,8
5	0000 010 114 04	1		
6	0000 038 121 02	1		
7	-----	-		
8	0000 039 171 00	2		
9	0000 503 165 00	2		M 5 X 8 DIN 6912-8.8 A3B
10	0000 010 115 10	1		
11	0000 038 134 10	1		
12	0000 501 934 01	1		
13	0000 501 942 00	1		28 x 35 x 4
14	0000 038 130 00	1		
15	0000 039 549 00	1		
16	0000 039 556 00	1		
17	0000 039 559 00	1		„A“
18	0000 502 366 00	5		M 6 x 25 DIN 6912-8.8 A3B
19	0000 501 709 00	5		6 DIN 128 - A3B
20	0000 501 958 00	1		10 x 16 x 0,5 DIN 988
21	0000 501 960 00	1		
22	0000 501 992 00	1		V18
23	0000 038 928 01	1		

Starting handle safety A 80mm
Sicherheitskurbel A 80Lg
Maniv.Securitee A 80Mm
Maniv.Securidad A 80Mm
Manovella Sicurezza 80Mm

180

0000 021 099 00

Starting handle safety A 140mm
Sicherheitskurbel A 140Lg
Maniv.Securitee A 140Mm
Maniv.Securidad A 140Mm
Manovella Sicurezza 140Mm

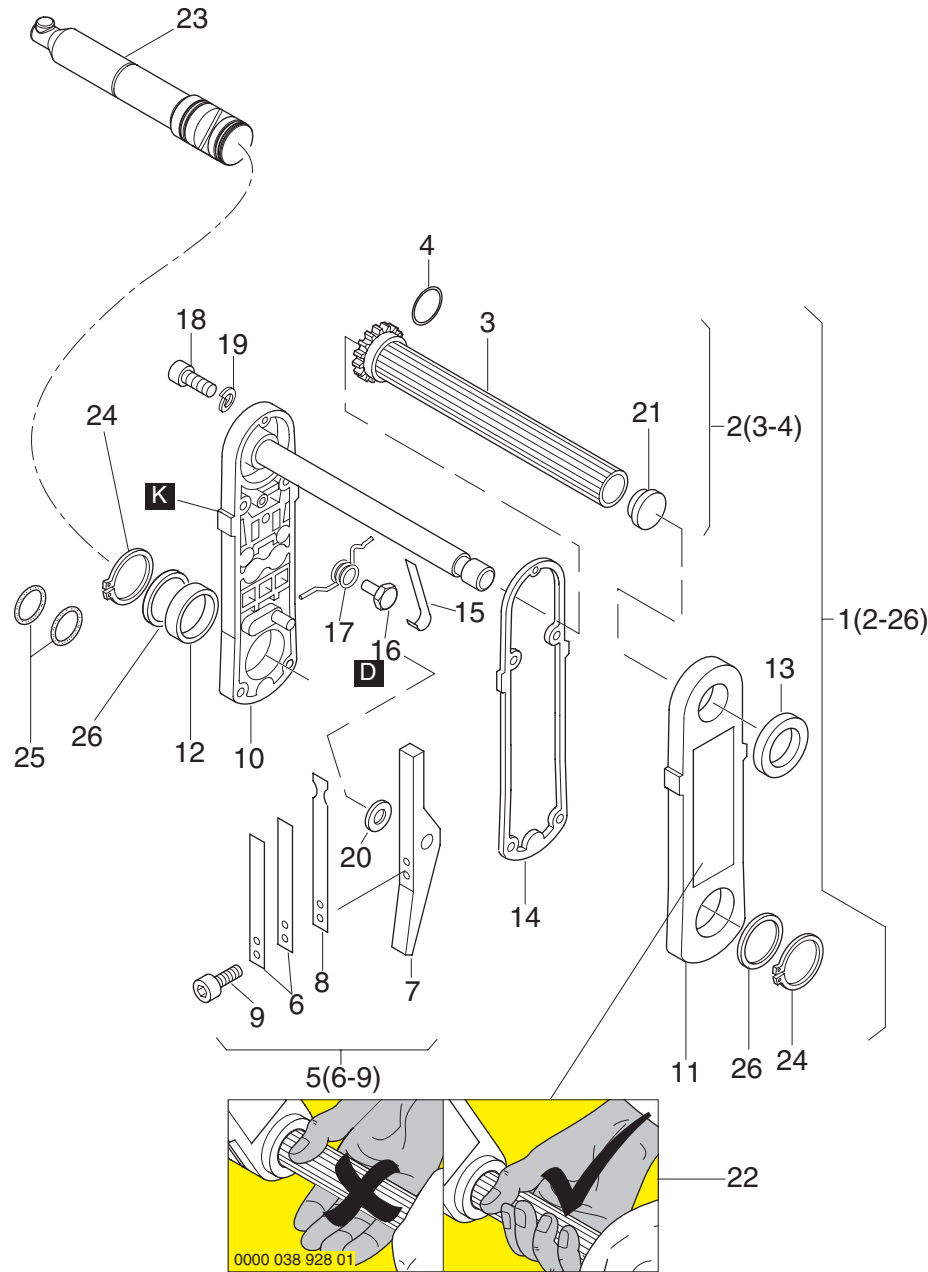


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 018 107 00	1		
2	0000 010 113 10	1		
3	-----	-		
4	0000 501 691 00	1		19 x 1,8
5	0000 010 114 04	1		
6	0000 038 121 02	1		
7	-----	-		
8	0000 039 171 00	2		
9	0000 503 165 00	2		M 5 X 8 DIN 6912-8.8 A3B
10	0000 010 115 10	1		
11	0000 038 134 10	1		
12	0000 501 934 01	1		
13	0000 501 942 00	1		28 x 35 x 4
14	0000 038 130 00	1		
15	0000 039 549 00	1		
16	0000 039 556 00	1		
17	0000 039 559 00	1		„A“
18	0000 502 366 00	5		M 6 x 25 DIN 6912-8.8 A3B
19	0000 501 709 00	5		6 DIN 128 - A3B
20	0000 501 958 00	1		10 x 16 x 0,5 DIN 988
21	0000 501 992 00	1		V18
22	0000 038 928 01	1		
23	0000 014 268 02	1		140 mm
24	0000 501 943 00	2		A 30 x 1,5 K DIN 983
25	0000 502 585 00	2		26 x 1,5
26	0000 039 286 10	2		30 x 38 x 0,10

Starting handle safety A 160mm
Sicherheitskurbel A 160Lg
Maniv.Securitee A 160Mm
Maniv.Seguridad A 160Mm
Manovella Sicurezza 160Mm

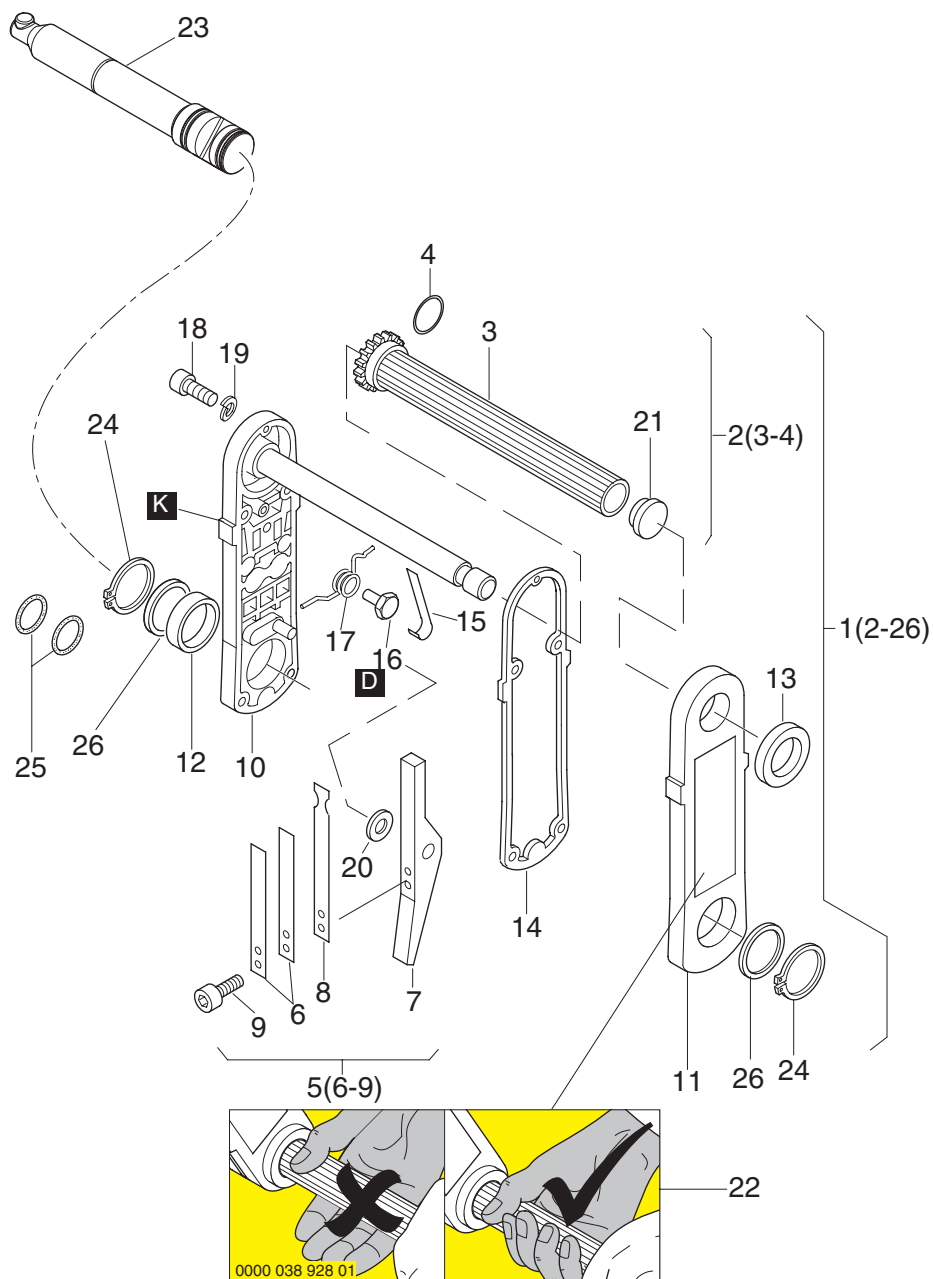


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 018 106 00	1		
2	0000 010 113 10	1		
3	-----	-		
4	0000 501 691 00	1		19 x 1,8
5	0000 010 114 04	1		
6	0000 038 121 02	1		
7	-----	-		
8	0000 039 171 00	2		
9	0000 503 165 00	2		M 5 X 8 DIN 6912-8.8 A3B
10	0000 010 115 10	1		
11	0000 038 134 10	1		
12	0000 501 934 01	1		
13	0000 501 942 00	1		28 x 35 x 4
14	0000 038 130 00	1		
15	0000 039 549 00	1		
16	0000 039 556 00	1		
17	0000 039 559 00	1		„A“
18	0000 502 366 00	5		M 6 x 25 DIN 6912-8.8 A3B
19	0000 501 709 00	5		6 DIN 128 - A3B
20	0000 501 958 00	1		10 x 16 x 0,5 DIN 988
21	0000 501 992 00	1		V18
22	0000 038 928 01	1		
23	0000 014 269 02	1		160 mm
24	0000 501 943 00	2		A 30 x 1,5 K DIN 983
25	0000 502 585 00	2		26 x 1,5
26	0000 039 286 10	2		30 x 38 x 0,10

Starting handle safety A 200mm
Sicherheitskurbel A 200Lg
Maniv.Securitee A 200Mm
Maniv.Seguridad A 200Mm
Manovella Sicurezza 200Mm

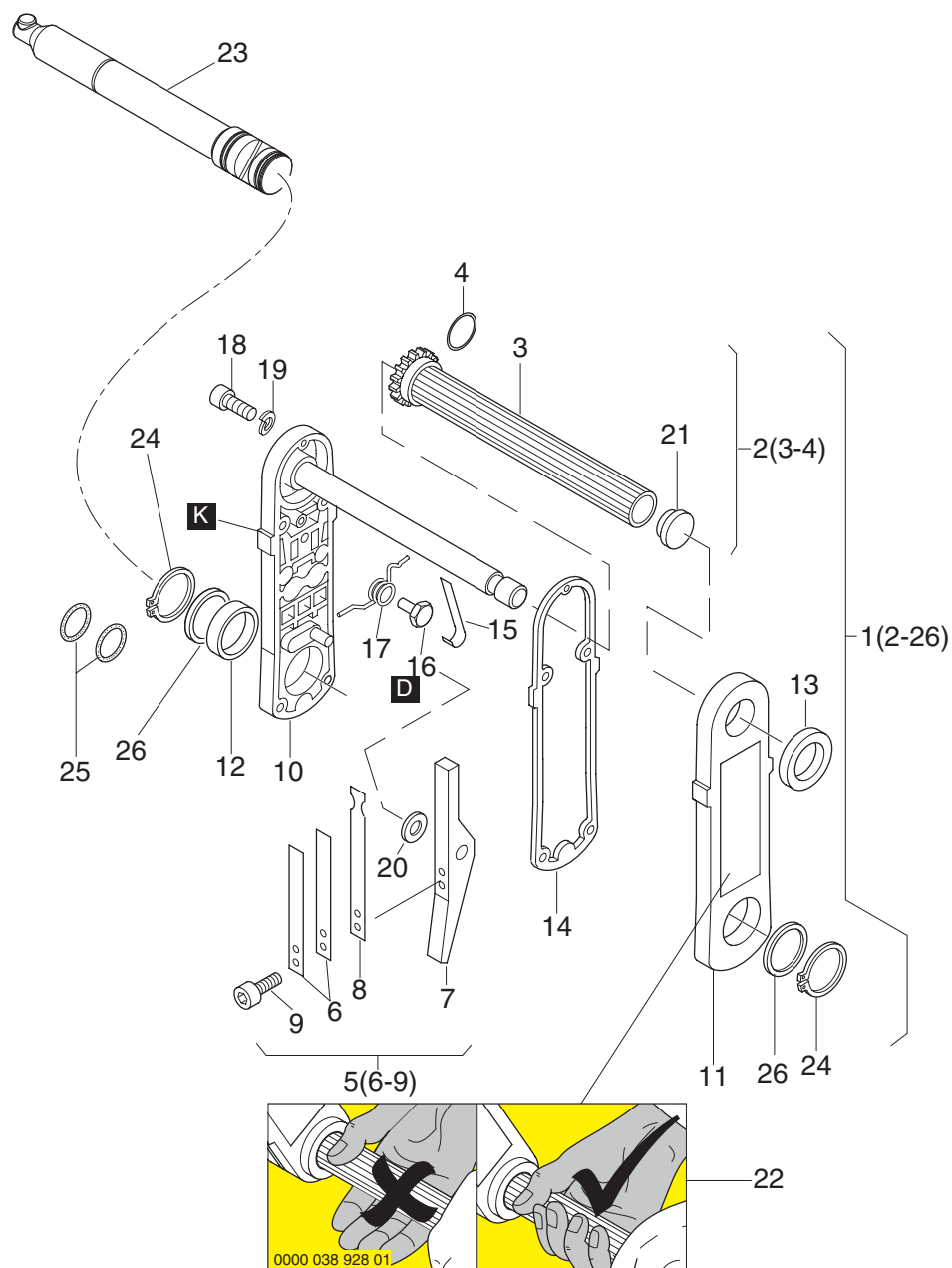


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 019 195 00	1		
2	0000 010 113 10	1		
3	-----	-		
4	0000 501 691 00	1		19 x 1,8
5	0000 010 114 04	1		
6	0000 038 121 02	1		
7	-----	-		
8	0000 039 171 00	2		
9	0000 503 165 00	2		M 5 X 8 DIN 6912-8.8 A3B
10	0000 010 115 10	1		
11	0000 038 134 10	1		
12	0000 501 934 01	1		
13	0000 501 942 00	1		28 x 35 x 4
14	0000 038 130 00	1		
15	0000 039 549 00	1		
16	0000 039 556 00	1		
17	0000 039 559 00	1		„A“
18	0000 502 366 00	5		M 6 x 25 DIN 6912-8.8 A3B
19	0000 501 709 00	5		6 DIN 128 - A3B
20	0000 501 958 00	1		10 x 16 x 0,5 DIN 988
21	0000 501 992 00	1		V18
22	0000 038 928 01	1		
23	0000 014 114 02	1		200 mm
24	0000 501 943 00	2		A 30 x 1,5 K DIN 983
25	0000 502 585 00	2		26 x 1,5
26	0000 039 286 10	2		30 x 38 x 0,10

0000 019 718 00

Protection for Oil Seal
Schutzblech Nockenwelle Wellendichtring
Garde
Guarda
Protezione

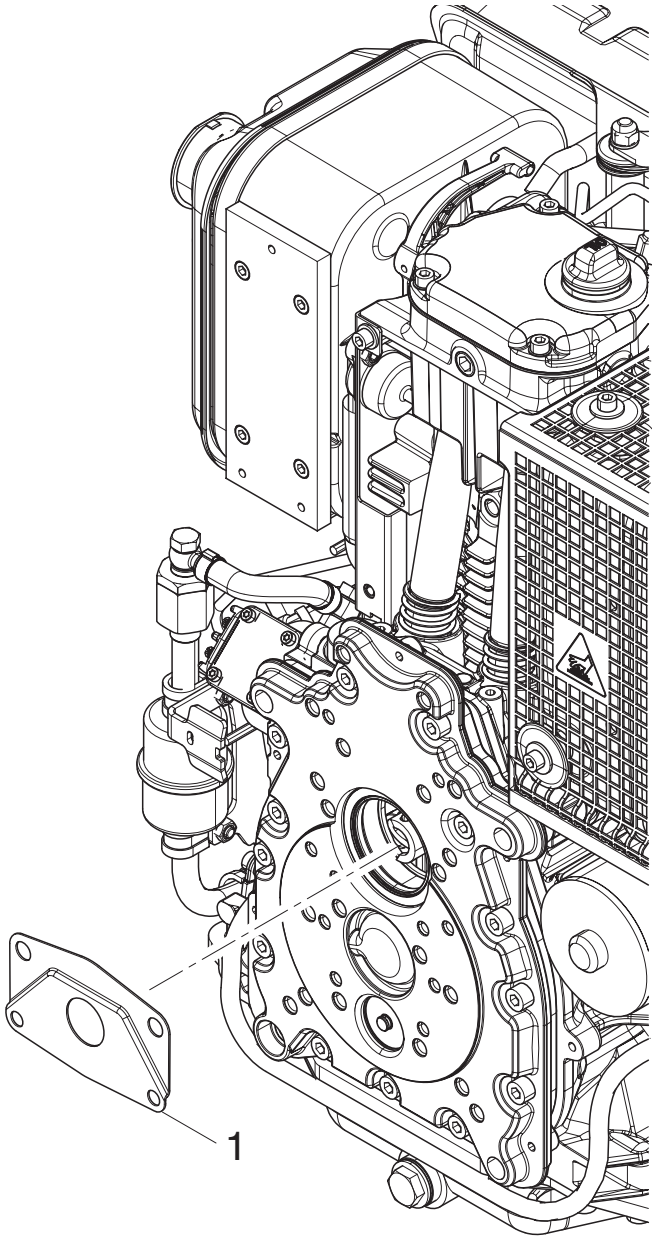


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 853 00	1		

0000 014 124 00

Guard for camshaft
Schutzblech Nockenwelle Wellendichtring
Garde
Guarda
Protez.Albero Camme

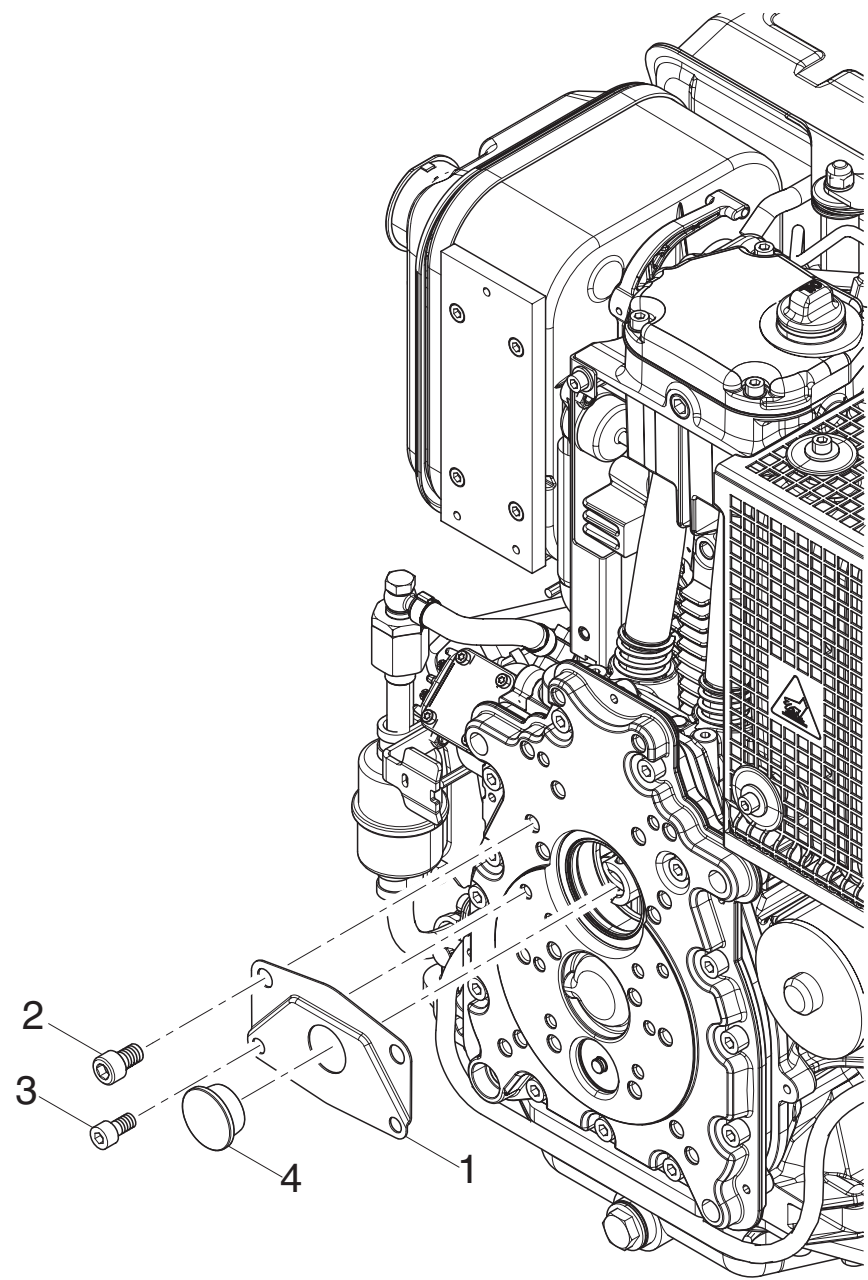


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 853 00	1		
2	0000 501 357 00	2		M10 X 16 DIN 912-8.8 A3B
3	0000 501 654 00	2		M 8 X 16 DIN 912-8.8 A3B
4	0000 400 914 00	1		F24

0000 020 889 01

Electrci starter 12V
Starter 12V
Demarreur 12V
Arrancador 12V
Motorino Avv. 12 V

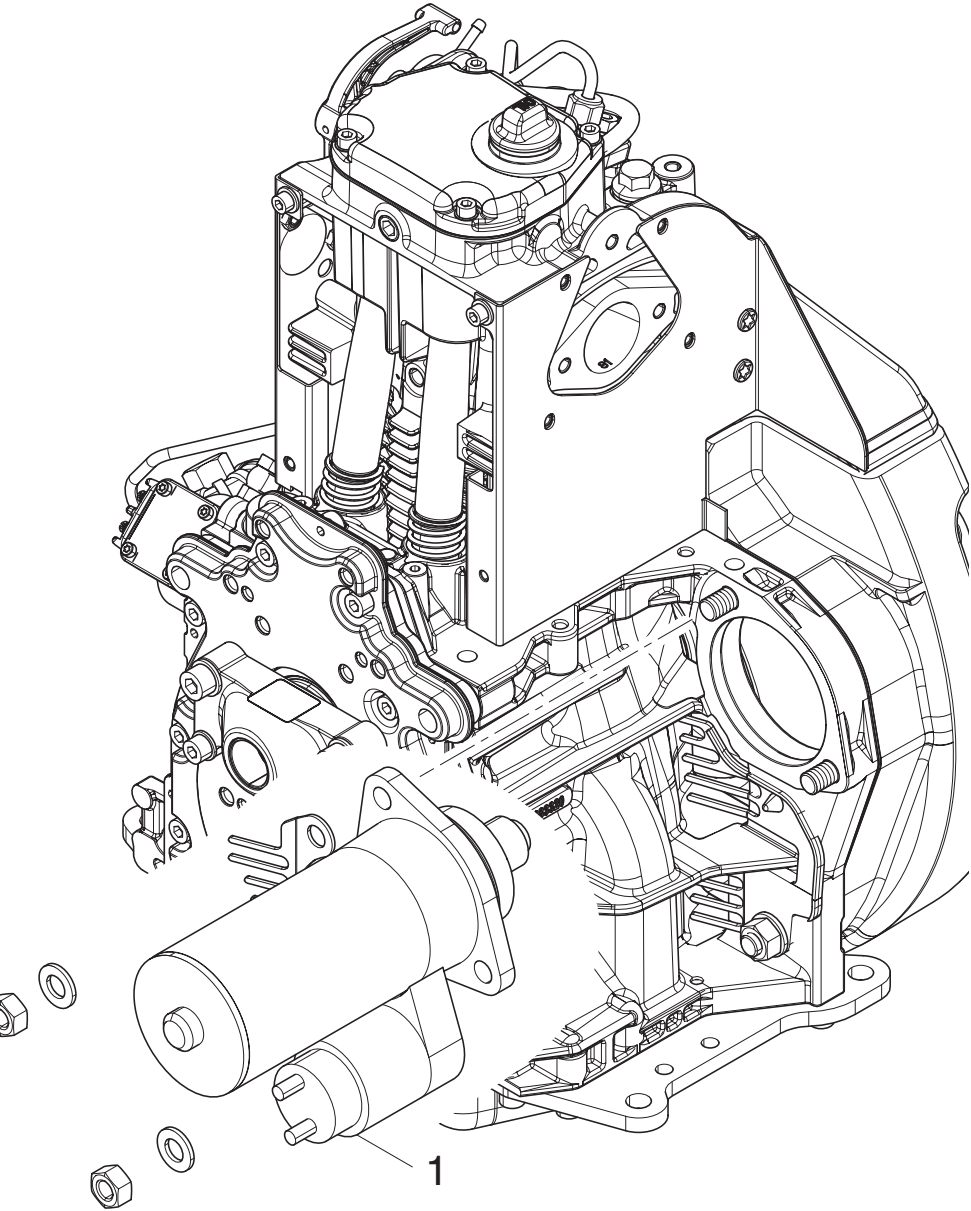


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 504 959 01	1		12 V - 2,0 kW

0000 021 032 00

Hexagon nut for starter
Mutter Starter
Ecrou 6Pans P. Demarreur
Tuerca Exag P. Arrancador
Hexagon Nut For Starter

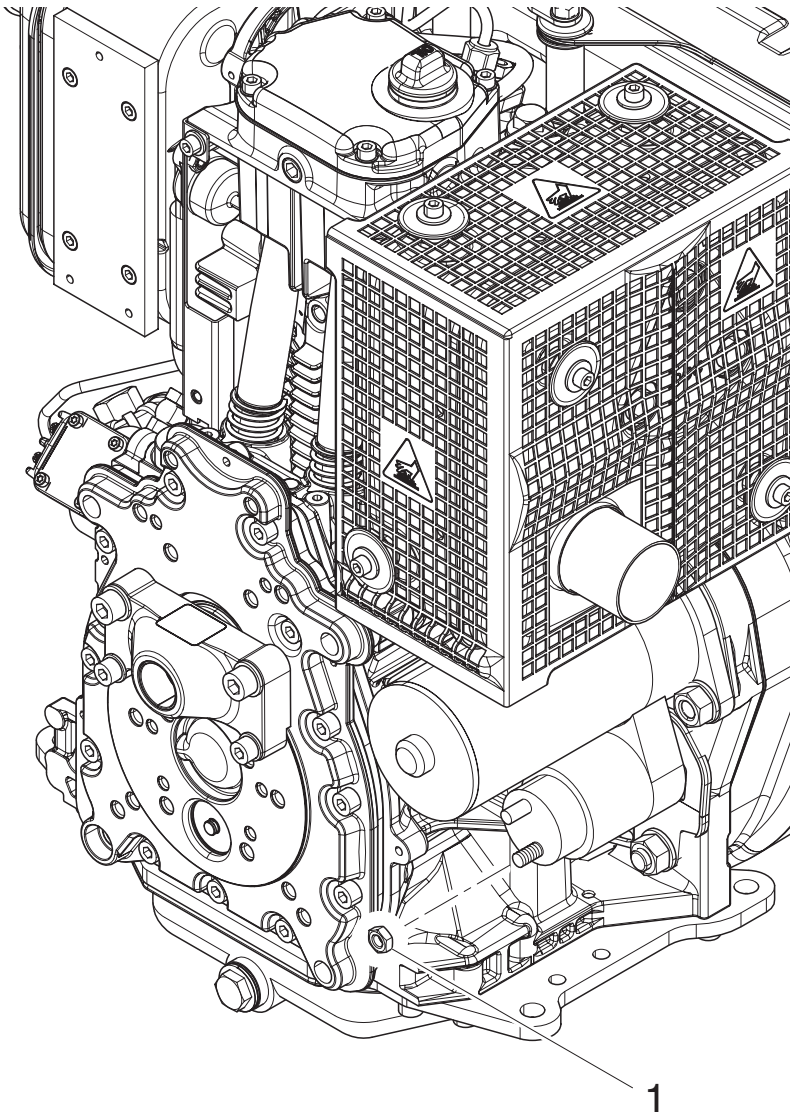


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 503 447 00	1		M 8 DIN 936 - 5 A3B

0000 011 934 01

Electric wire starter 50
Kabel Starter 50
Fils Cabl.Demarr.50
Cablearrancador 50
Cablaggio Starter

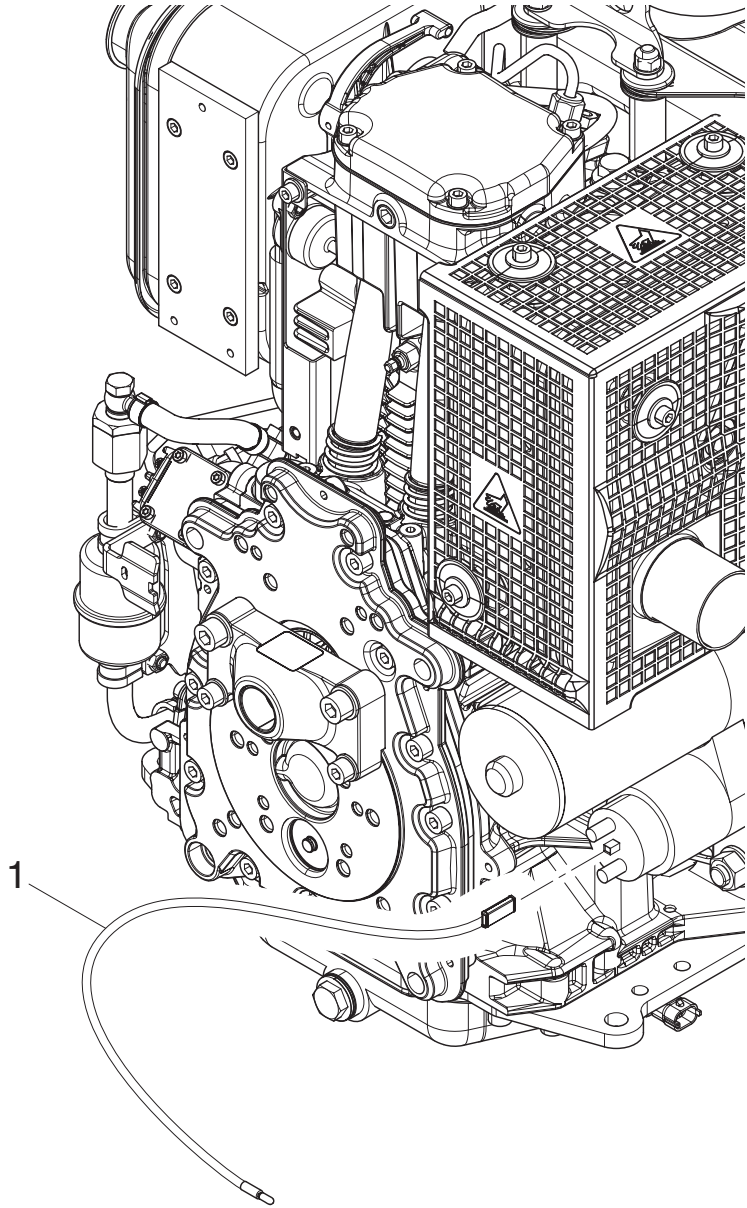


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 011 934 01	1		Starter 50

0000 020 866 01

Alternator 12V 200W S/Z
Generator 12V 200W S/Z
Alternat.12V.200W S/Z
Alternad.12V.200W S/Z
Alternator 12V 200W S/Z

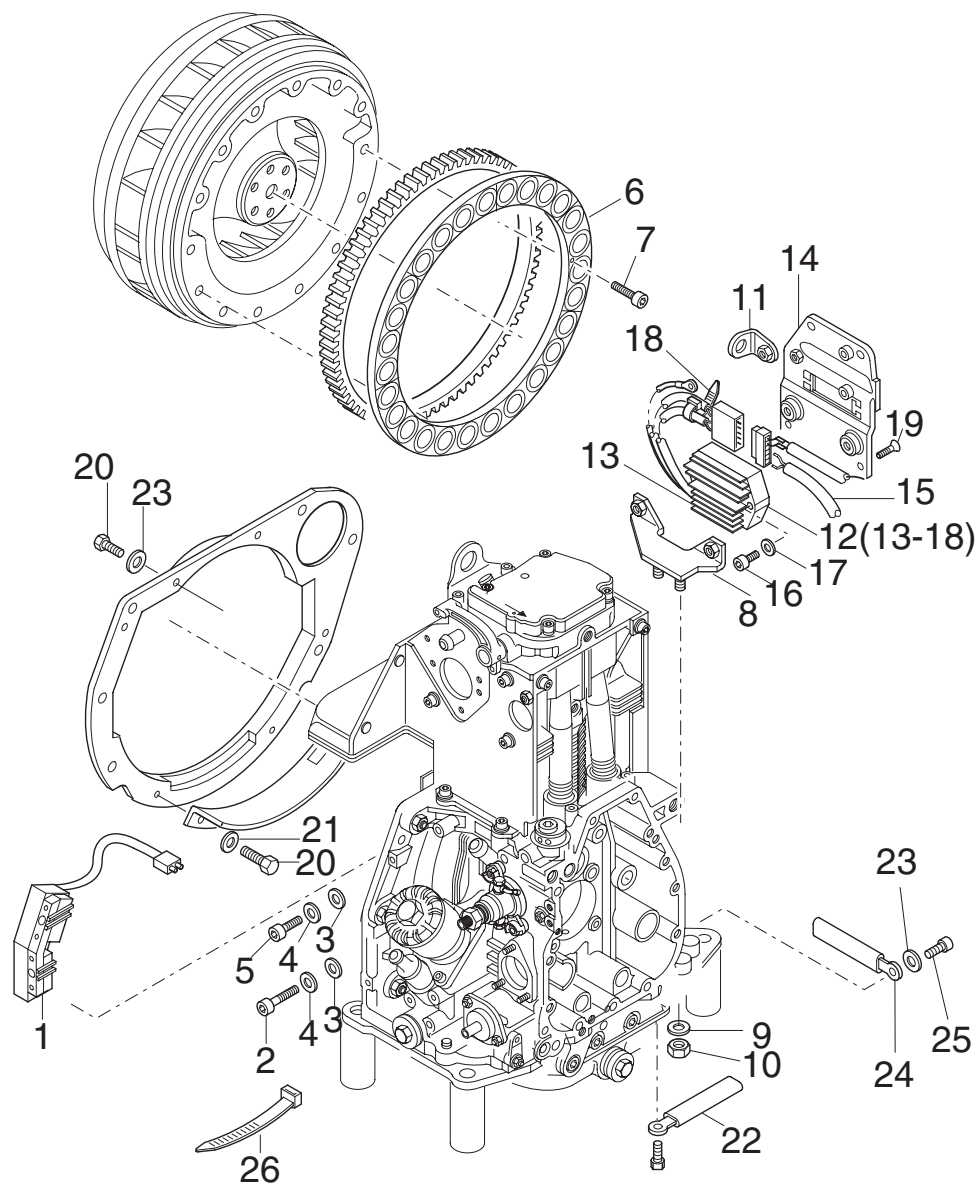


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 390 10	1		
2	0000 504 488 00	1		
3	0000 501 445 00	7		M 6 X 40 DIN 6912-8.8 A3B
4	0000 503 907 01	2		6,4 DIN 125-St A3B
5	0000 504 487 00	1		6 DIN 6796 - 6 - FST ZN
6	0000 015 390 01	1		M 6 x 30 DIN 6912-8.8 A3B
7	0000 504 469 01	14		
8	0000 014 403 03	1		
9	0000 502 085 00	2		8 DIN 128 A3B
10	0000 501 480 00	2		M 8 DIN 934-8 A3B
11	0000 014 402 00	1		
12	0000 014 730 01	1		
13	0000 018 710 04	1		
14	0000 014 401 00	1		
15	0000 014 628 00	1		
16	0000 501 830 00	2		M 8 X 35 DIN 912-8.8 A3B
17	0000 502 085 00	2		8 DIN 128 A3B
18	0000 503 584 00	3		4,8 x 200 mm Black
19	0000 504 225 01	2		M 6 x 12 DIN 7991 - 8.8 A3C
20	0000 501 655 00	4		M 6 x 12 DIN 933-8.8 A3B
21	0000 501 445 00	4		6,4 DIN 125-St A3B
22	0000 050 239 00	2		
23	0000 501 709 00	2		6 DIN 128 - A3B
24	0000 050 012 00	1		
25	0000 501 491 00	1		M 6 x 12 DIN 912-8.8A3B
26	0000 503 584 00	4		4,8 x 200 mm Black

0000 026 083 00

Cr-Control 4G
Steuergeraet E-Controls 4G
Cr-Dispositif De Controle 4G
Cr-Dispositivo De Control 4G
Unita'Controllo 4G

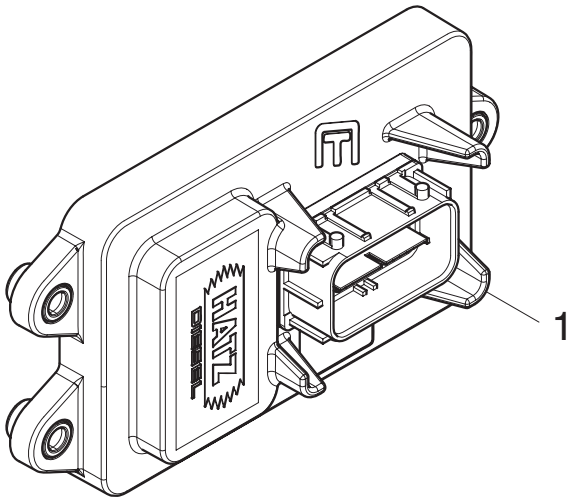


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 056 666 00	1		EngineNo needed!

0000 506 615 00

Hexscrew M 6X 25 with flange
Skt-Schr mit Flansch M 6X 25
Vis6Pans M 6X 25 With Flange
Torn.Exag.M 6X 25 With Flange
Vite With Flange

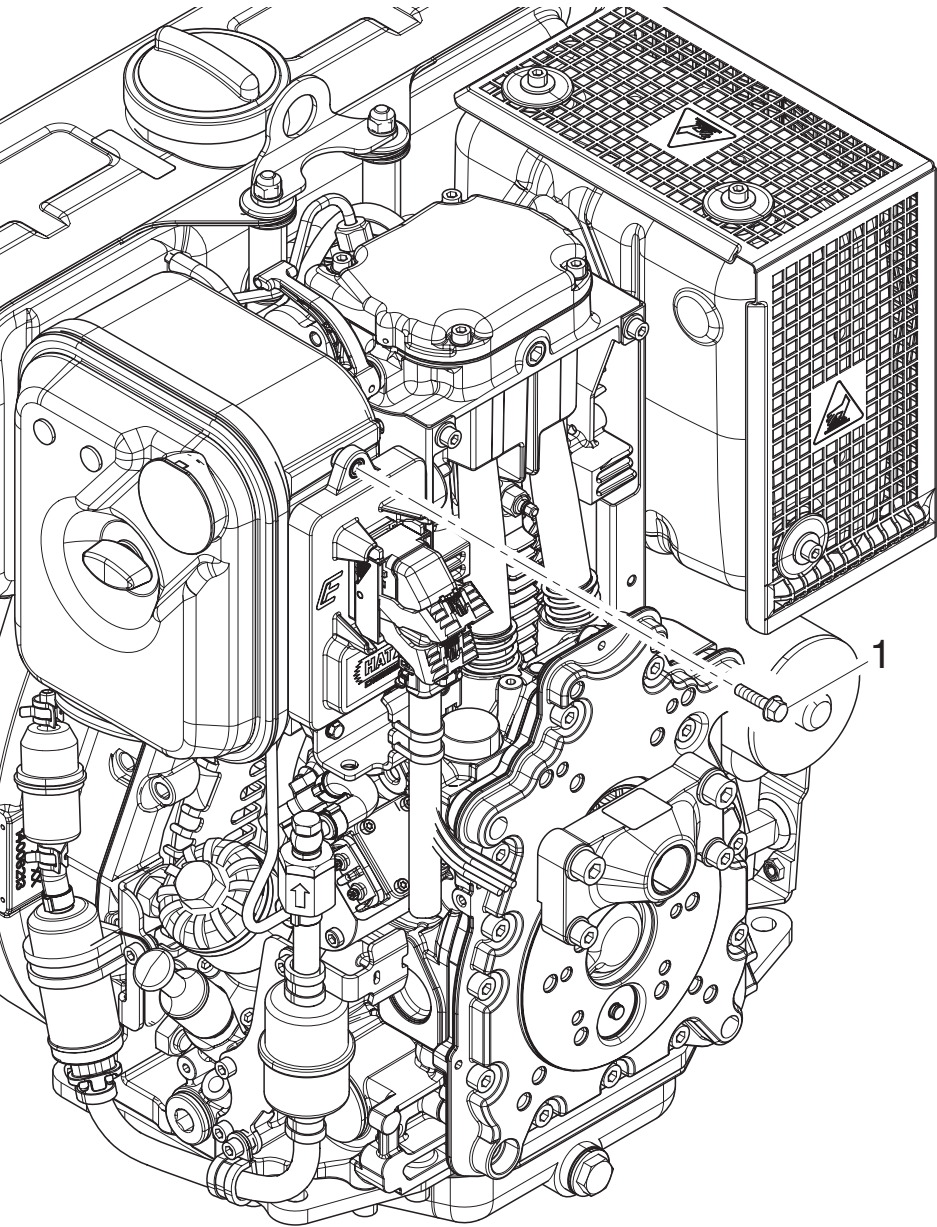


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 615 00	3		M 6X 25 DIN 6921-8.8A2B

0000 026 217 01

Electronic control ECU engine mounted
Verdrahtung El.Steuerung ECU Motorfest
Contrôle Electronique Ecu Mf
Control Electronico Ecu Mf
Electronic Control Ecu Mf

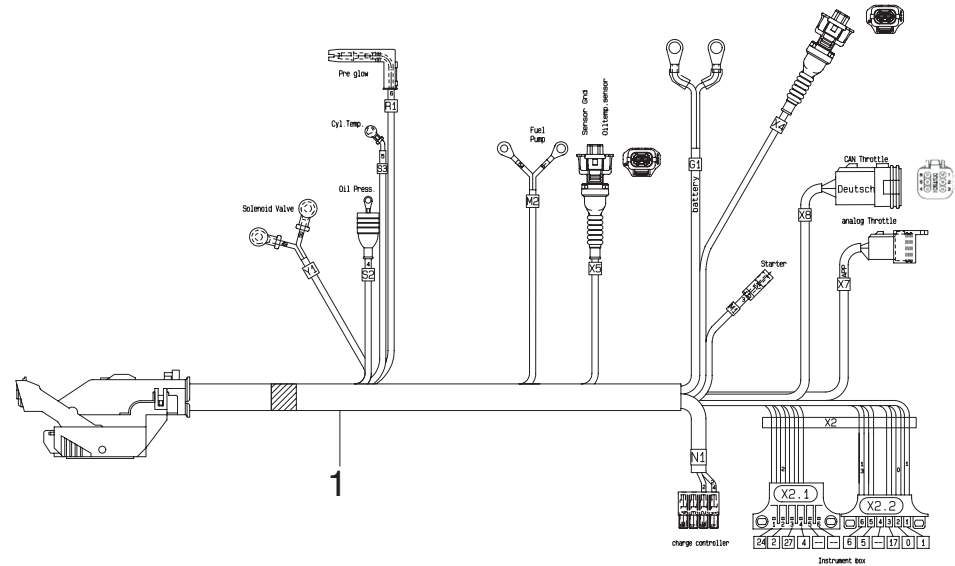
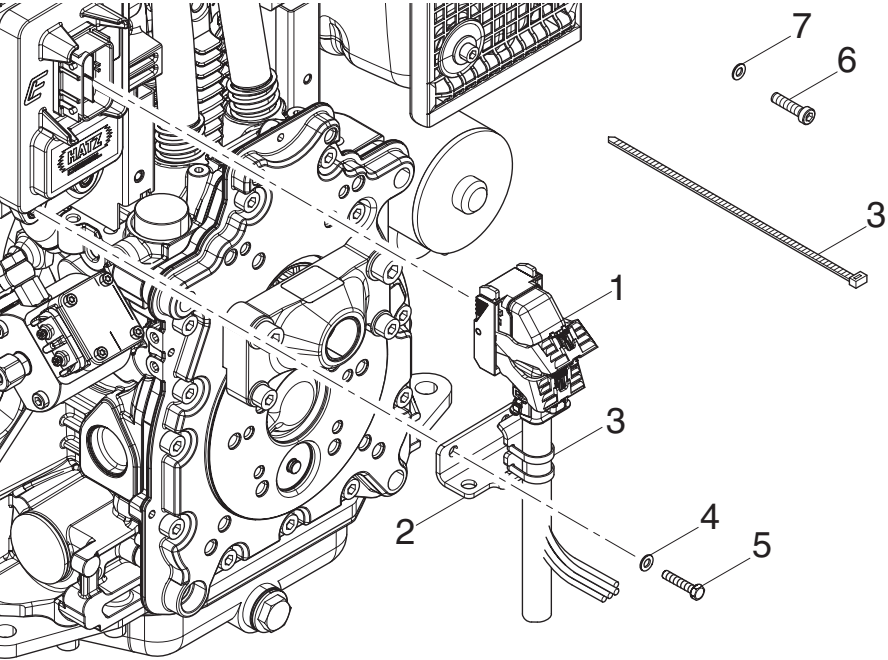


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 026 218 00	1		
2	0000 056 785 00	1		
3	0000 503 584 00	5		4,8 x 200 mm Black
4	0000 502 163 00	2		5,3 DIN 125-St A3B
5	0000 503 357 00	2		M 5 x 25 DIN 933-8.8 A3B
6	0000 502 366 00	4		M 6 x 25 DIN 6912-8.8 A3B
7	0000 501 445 00	2		6,4 DIN 125-St A3B

0000 026 288 01

Electronic control ECU engine mount. Customer
Verdr.El.Steuerg ECU Motorfest Kunde B
Contrôle Electronique Ecu Mf
Control Electronico Ecu Mf
Electronic Control Ecu Mf Customer

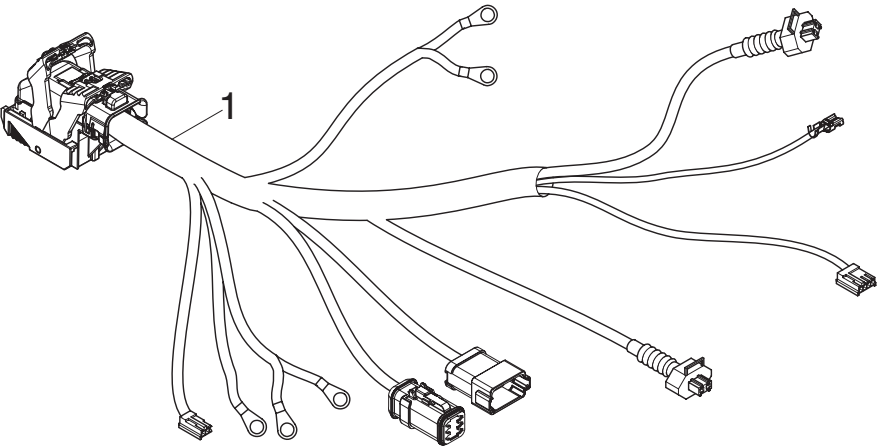
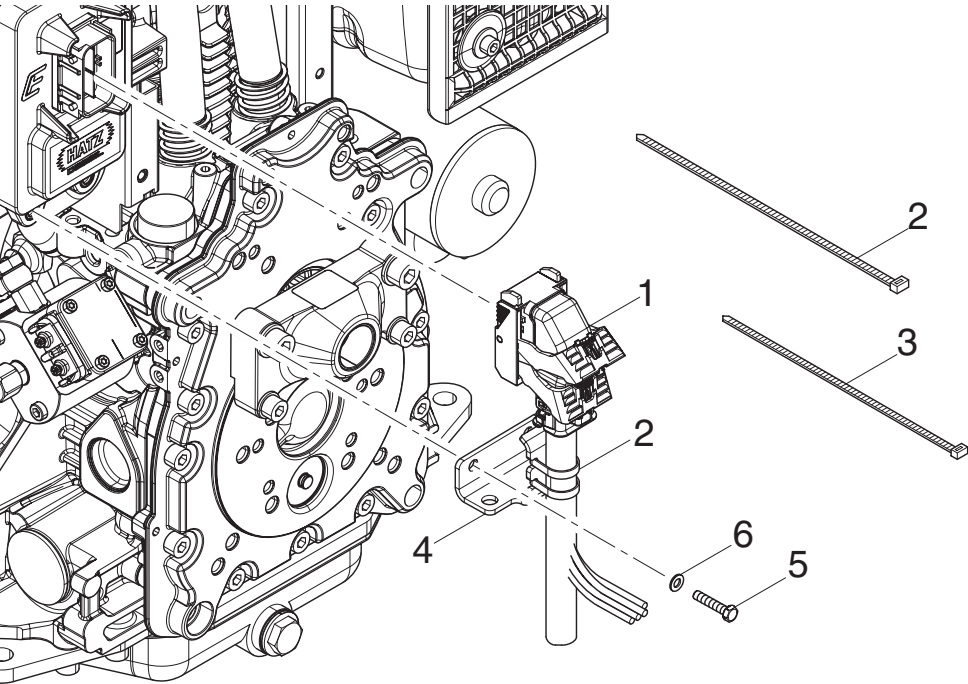


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 026 287 00	1		
2	0000 503 584 00	7		4,8 x 200 mm Black
3	0000 504 395 00	2		2,6 x 200 mm Black
4	0000 056 785 00	1		
5	0000 502 366 00	4		M 6 x 25 DIN 6912-8.8 A3B
6	0000 501 445 00	2		6,4 DIN 125-St A3B

0000 026 200 01

Electronic control customer
Verdr.El.Steuerung Kunde
Contrôle Electronique Client
Control Electronico Cliente
Electronic Control Customer

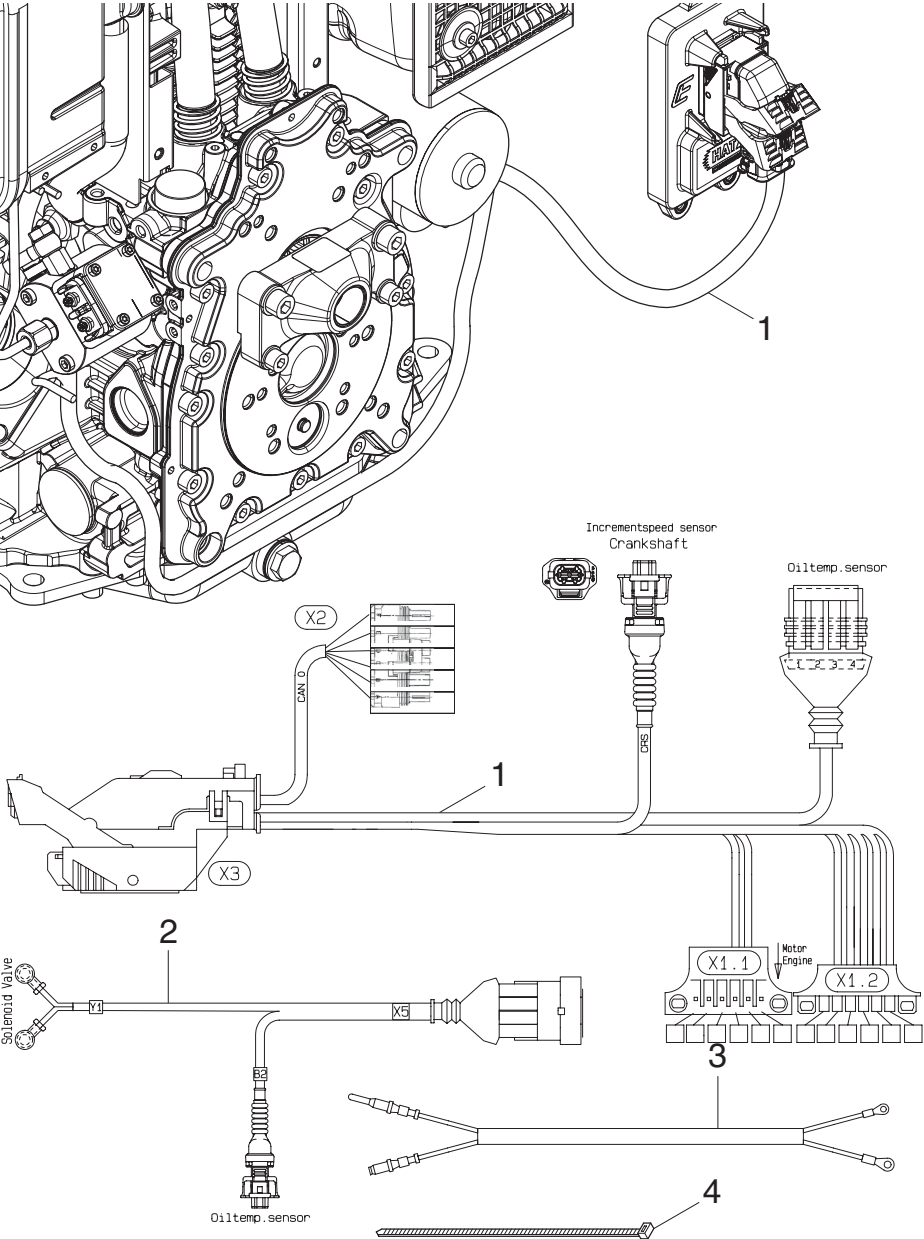


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 026 199 00	1		
2	0000 026 142 00	1		
3	0000 026 184 00	1		
4	0000 503 584 00	5		4,8 x 200 mm Black

0000 026 082 00

Engine harness
Verdrahtung Motor
Cable
Cable
Cavo

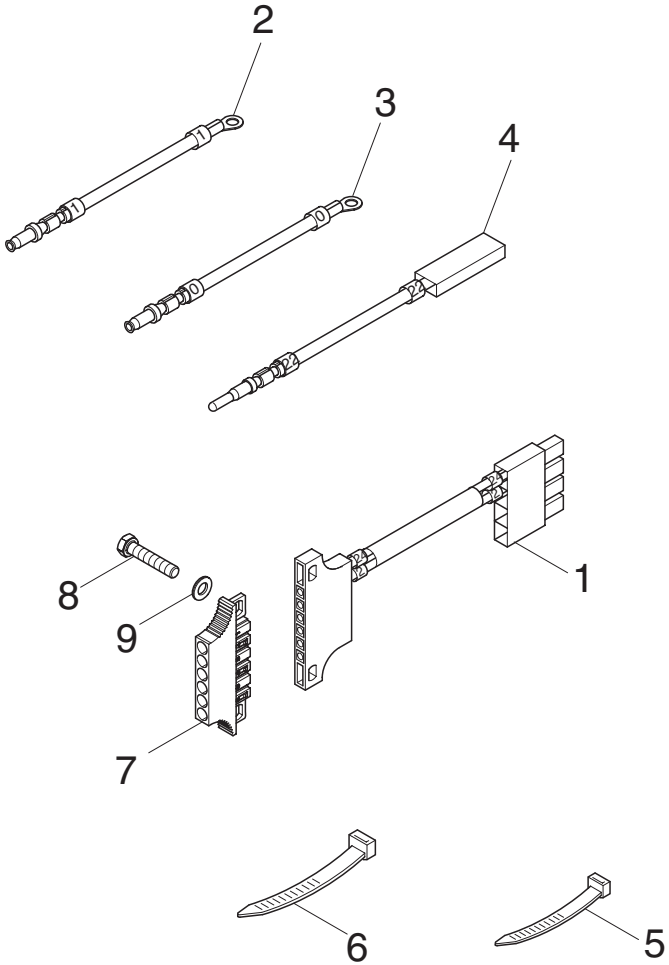


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 036 20	1		
2	0000 015 743 00	1		(1)
3	0000 015 744 02	1		(0) 450mm
4	0000 015 268 00	1		(22) 360mm
5	0000 504 395 00	1		2,6 x 200 mm Black
6	0000 503 584 00	3		4,8 x 200 mm Black
7	0000 503 737 00	1		
8	0000 503 357 00	2		M 5 x 25 DIN 933-8.8 A3B
9	0000 502 163 00	2		5,3 DIN 125-St A3B

0000 026 084 03

Electronic control
Verdrahtung El.Steuerung
Contrôle Electronique
Control Electronico
Electronic Control

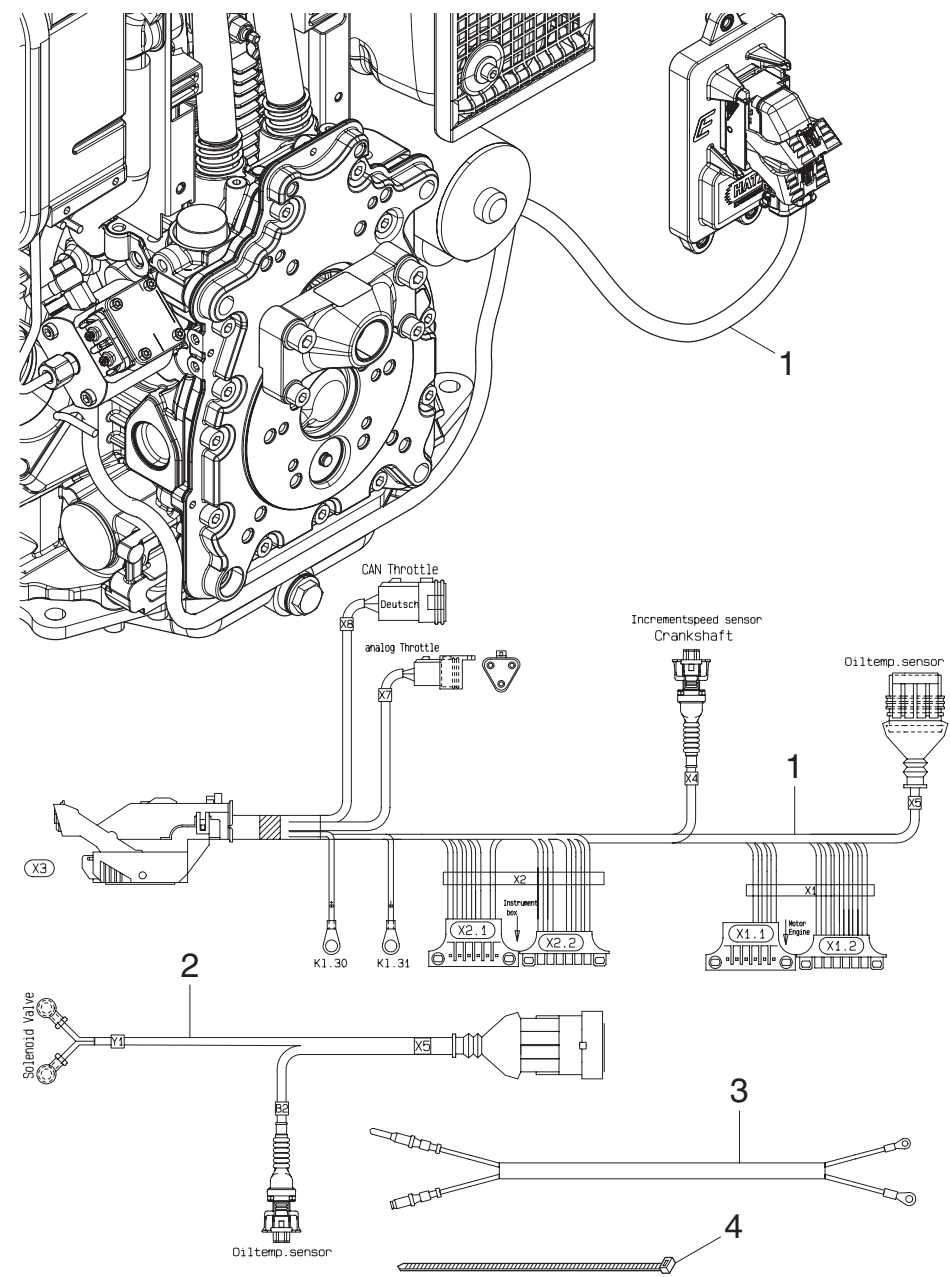
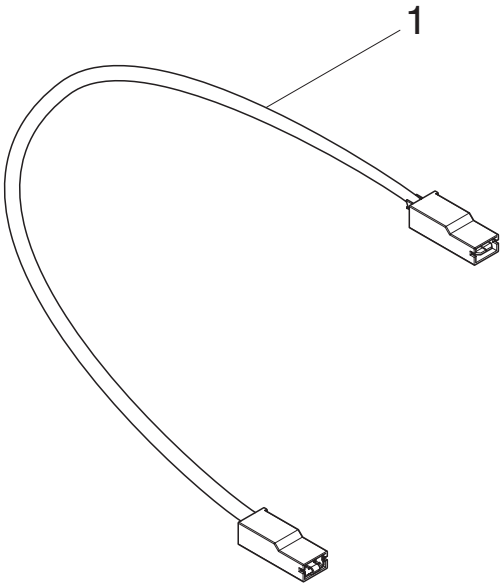


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 026 063 10	1		
2	0000 026 142 00	1		
3	0000 026 184 00	1		
4	0000 503 584 00	5		4,8 x 200 mm Black

0000 026 326 00

Cable terminal W
Fahrzeugleitung Kl. W

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 026 326 00	1		



0000 020 898 01

Oil pressure switch 0,8-1,2 Bar
Öldruckschalter 0,8-1,2 Bar
Interr.Press.Huile 0,8-1,2 Bar
Interr.Pres.Aceite 0,8-1,2 Bar
Bulbo Olio 0.8-1.2

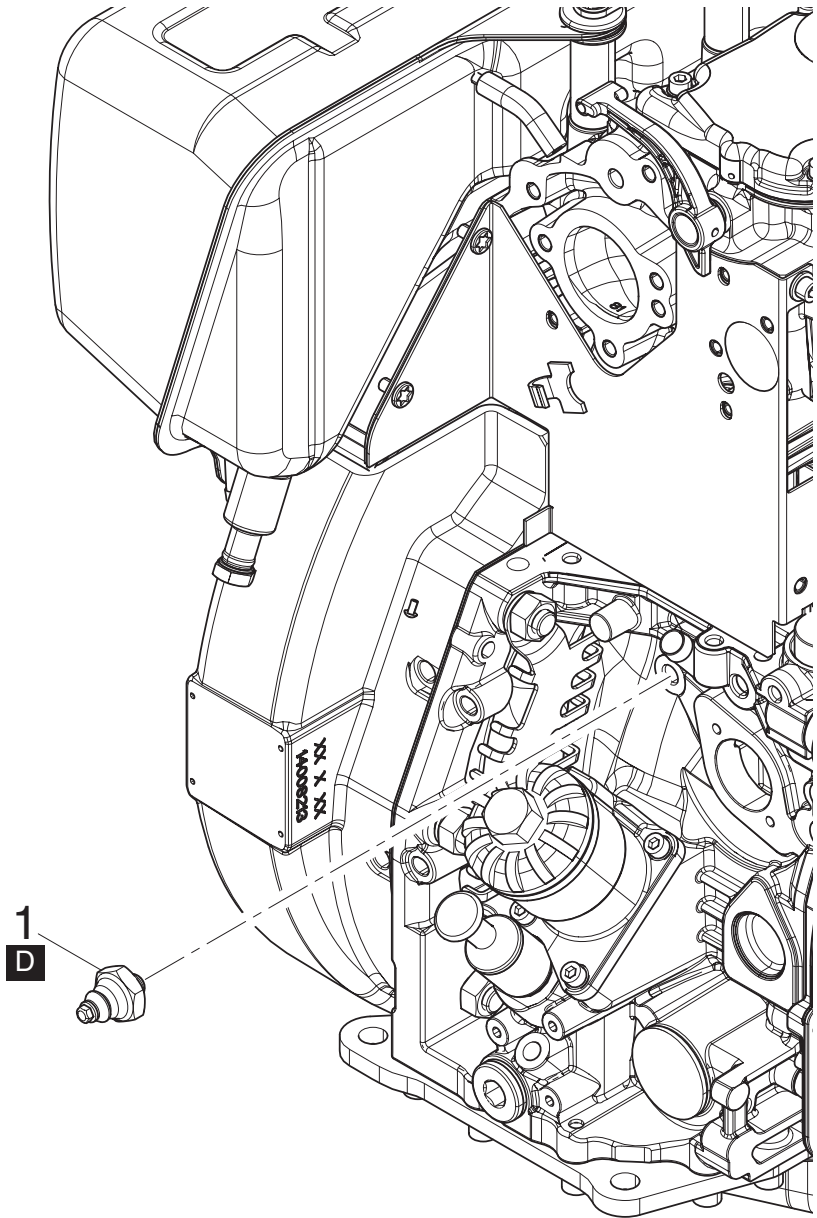


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 502 722 01	1		12 - 24V Oil

0000 020 899 01

Oil pressure switch 1,2-1,8 Bar
Öldruckschalter 1,2-1,8 Bar
Interr.Press.Huile 1,2-1,8 Bar Gen
Interr.Pres.Aceite 1,2-1,8 Bar Gen
Interr.Press.Olio 1,2-1,8 Bar Gen

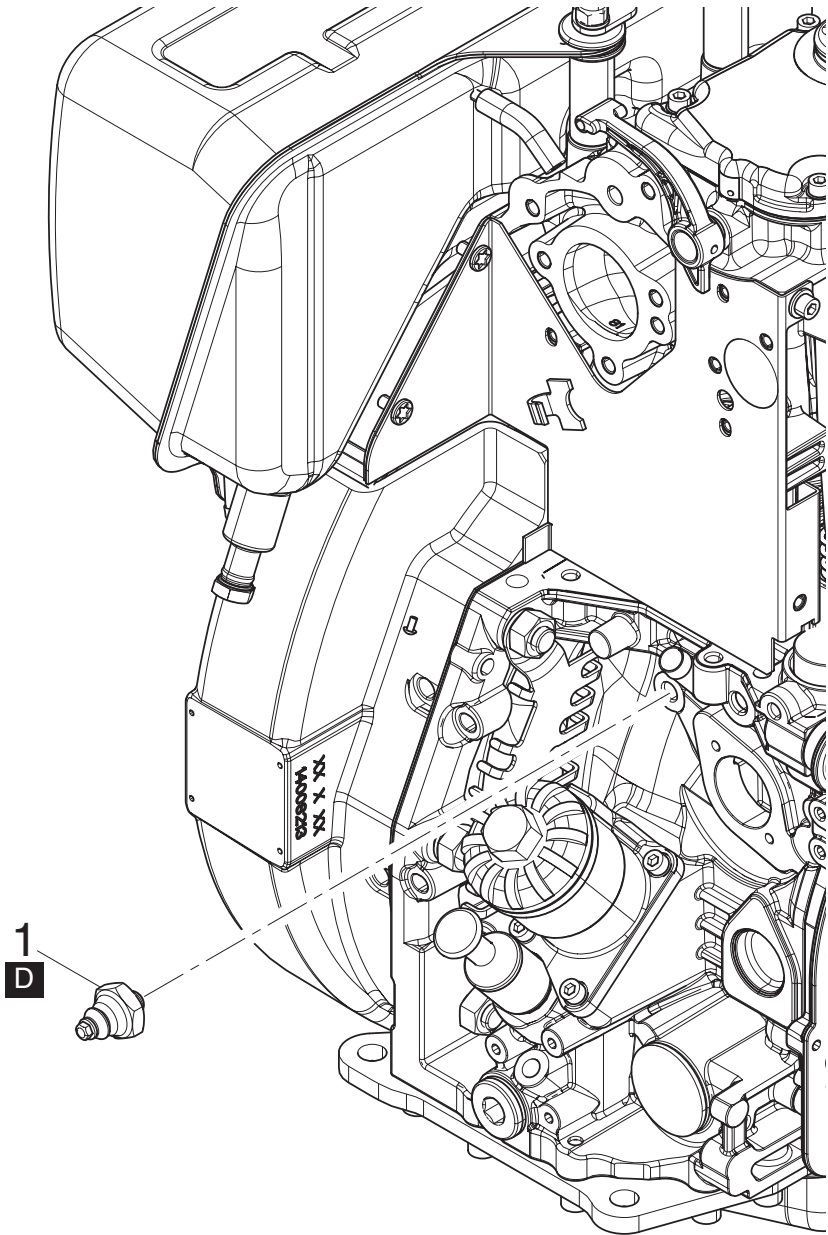


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 044 01	1		OIL 1,20 - 1,80 bar (Gen)

0000 020 887 01

Oil pressure switch
Öldruckschalter (Kunde)
Interr.Press.Huile
Interr.Pres.Aceite
Bulbo Olio

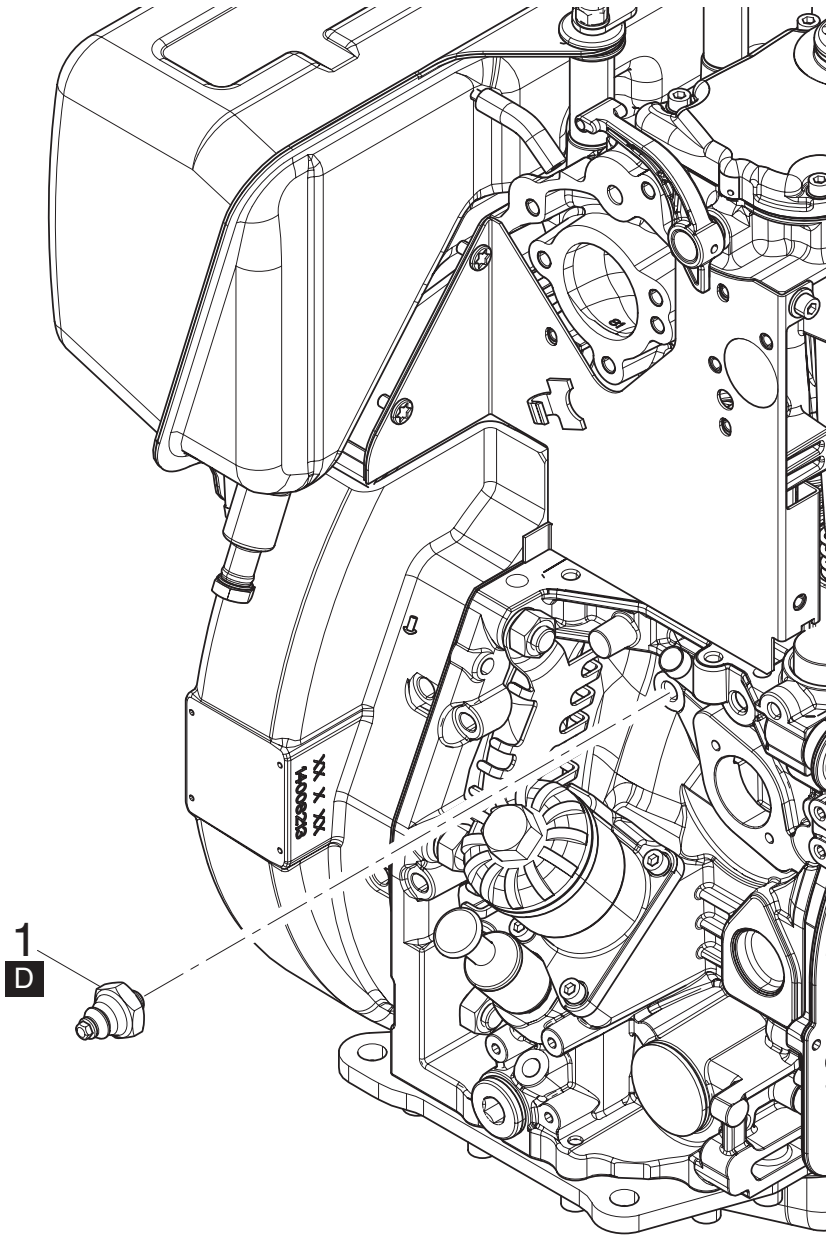
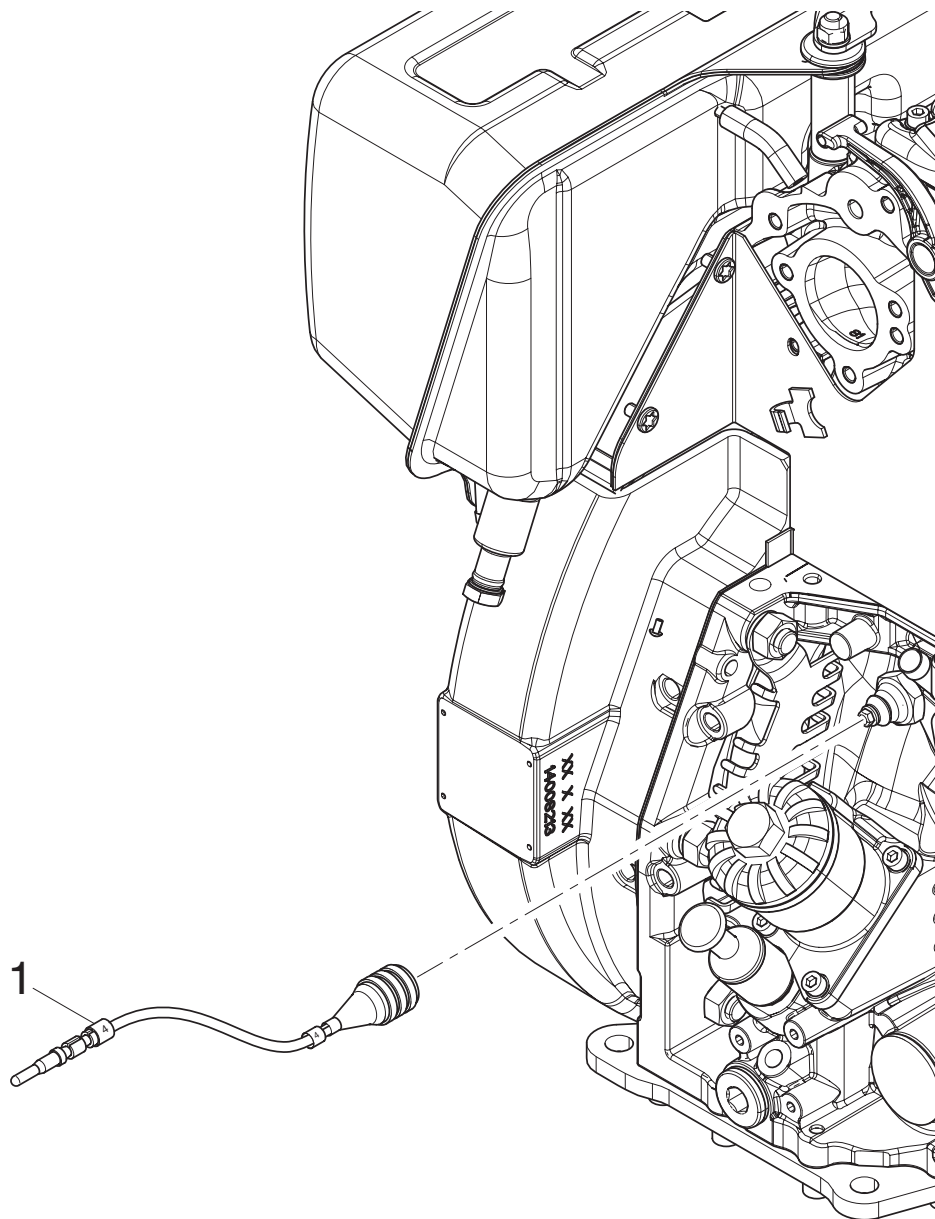


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 505 592 01	1		

Electric wire
Kabel Öldruckschalter
Fils Cablage
Cable
Cavo



1 0000 **011 932 11** 1 (4)

0000 020 971 01

Temperature switch 12V/24
Temperaturschalter 12/24V
Interr.Temperat.12V/24
Interr.Temperat.12V/24
Sens.Temp.12V/24V

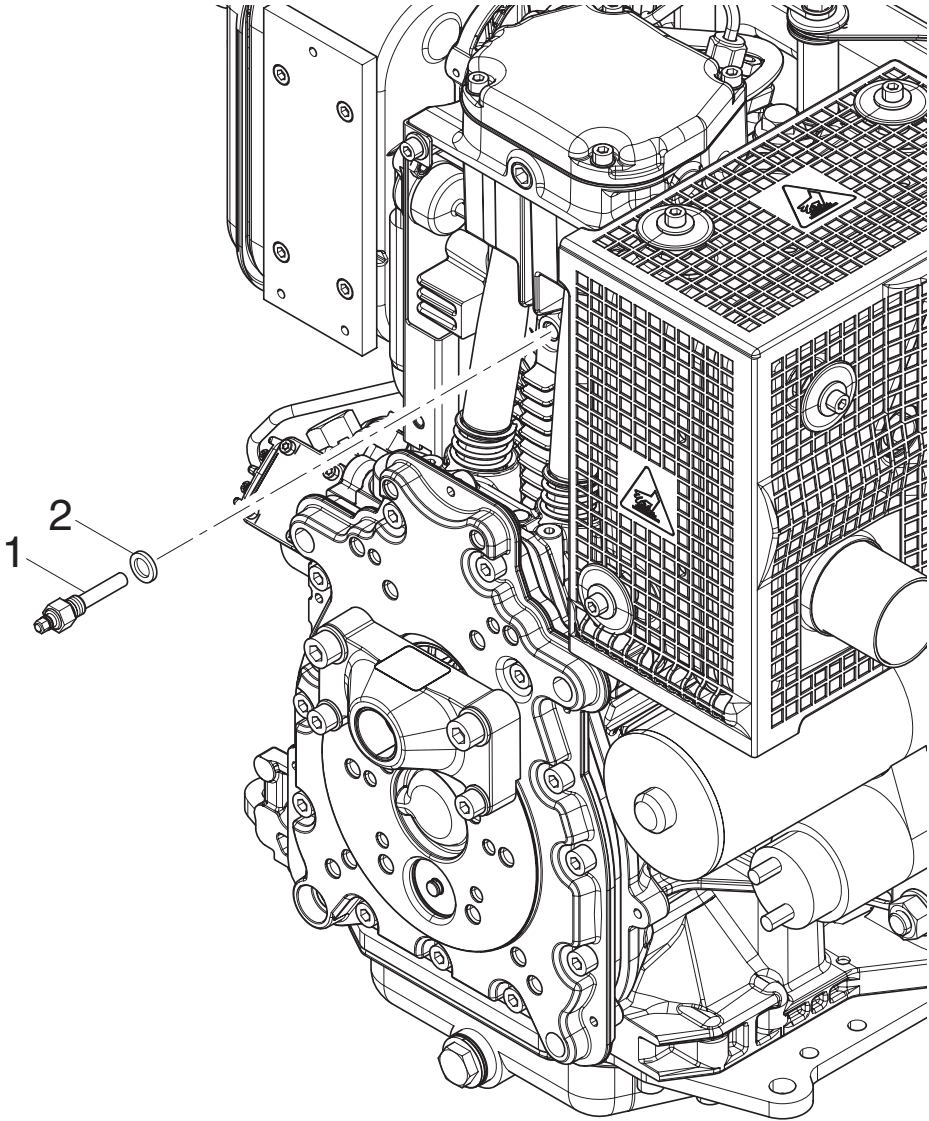


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 502 686 00	1		TEMP. 12-24V
2	0000 051 624 00	1		10,4 x 14 x 4

0000 014 220 00

Electric wire temperature switch
Kabel Temperaturschalter
Fils Cablage 1250Mm
Cable 1250Mm
Cavo Elettrico

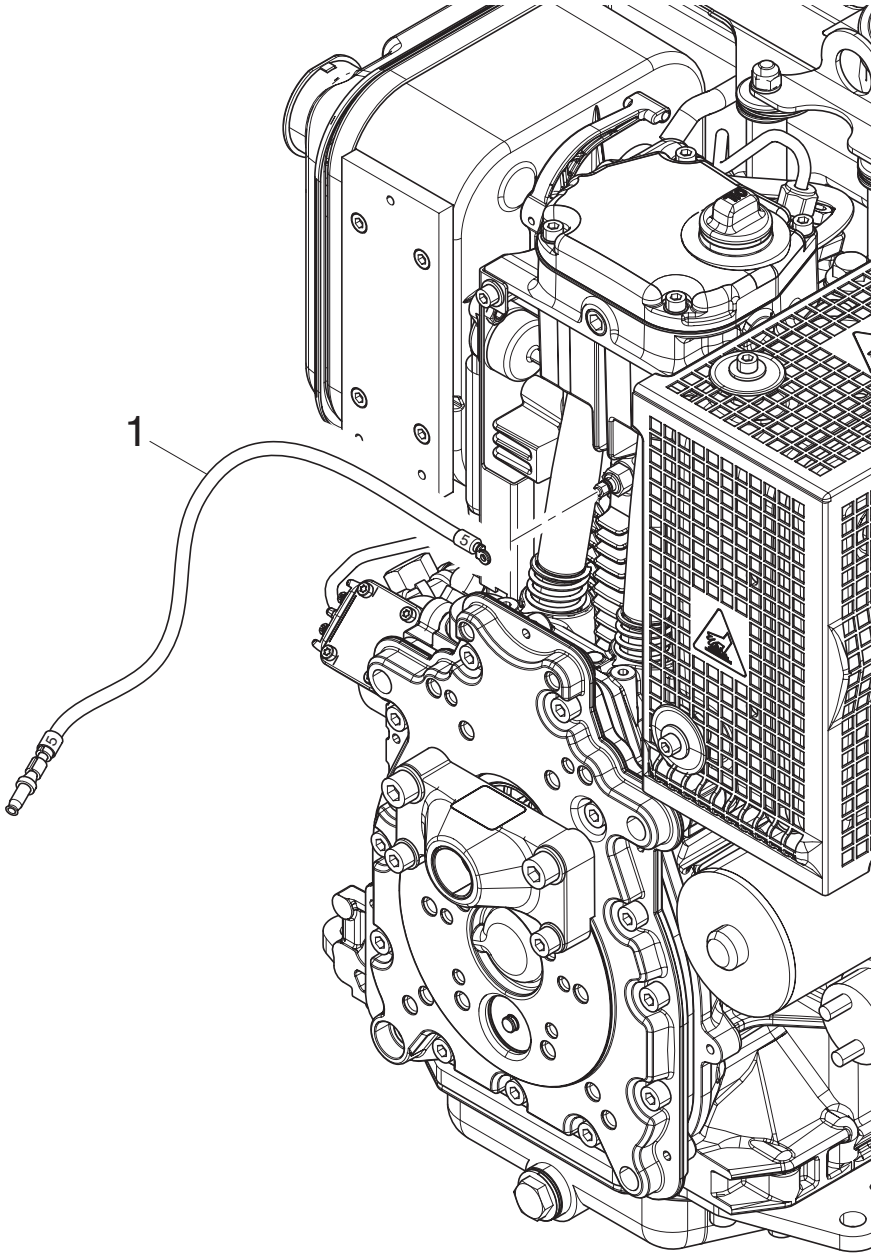


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 014 220 00	1		

0000 021 153 00

Bracket for connector mounting
Winkel für Steckerbefestigung
Angle P. Rapport Au Connecteur
Soporte P. Mont. De Conector
Bracket F. Connector Mounting

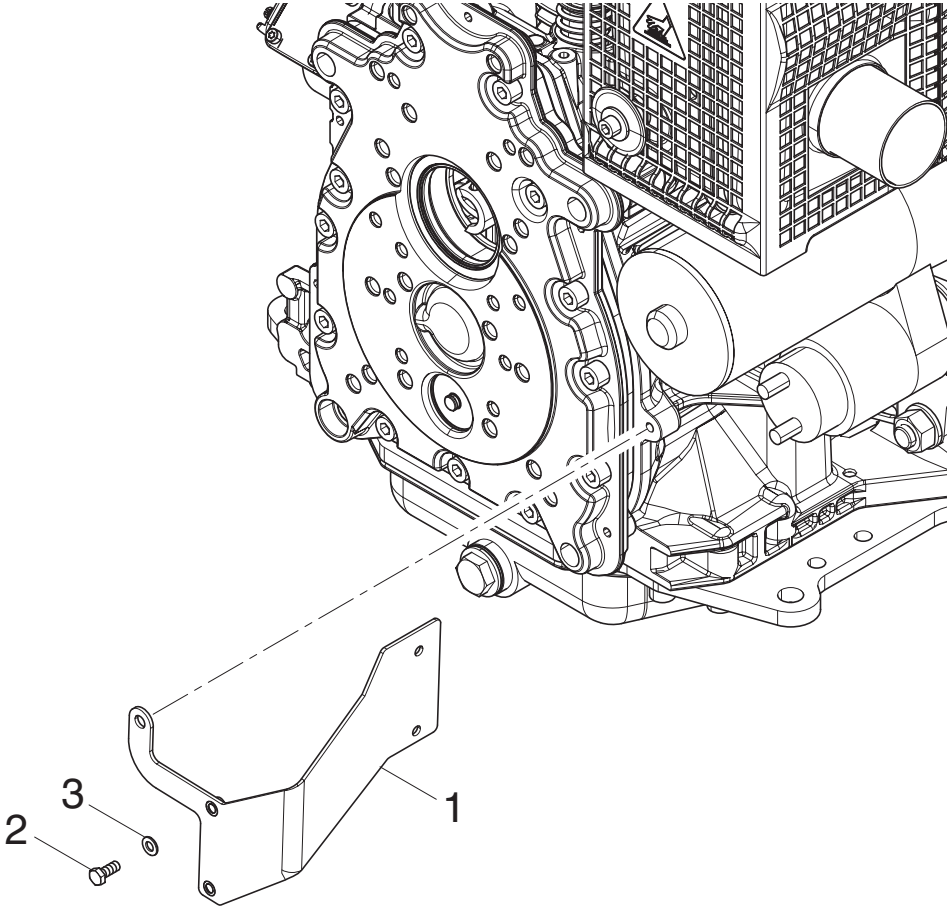
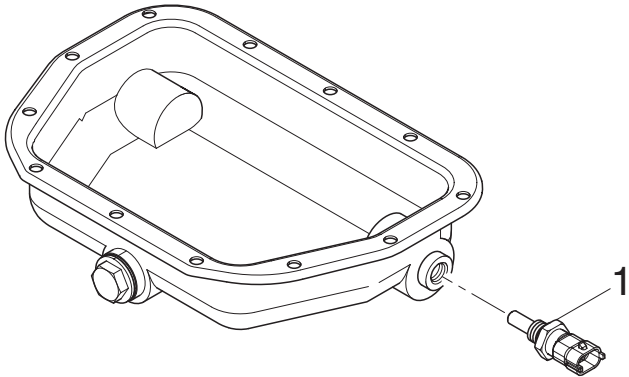
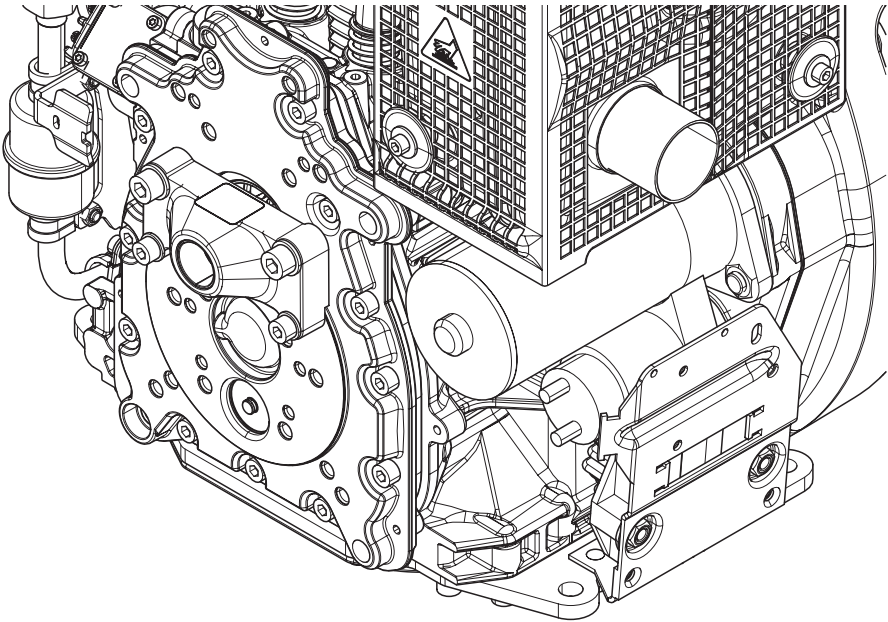


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 014 733 00	1		
2	0000 503 603 00	2		M 5 x 12 DIN 933 - 8.8 A3B
3	0000 502 163 00	2		5,3 DIN 125-St A3B

0000 506 336 00

Temperatures sensor oil
Temperaturgeber Öl
Transmett. Temperat.
Transm. Temperatura
Sensore Temperatura

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 506 336 00	1		



0000 026 157 10

Electric wire for glow plug
Kabel Glühstift mit Stecker
Fils Cablage P. Bougie Prechauff.
Cable P.Bujia Incandescen.
Electric Wire F. Glow Plug

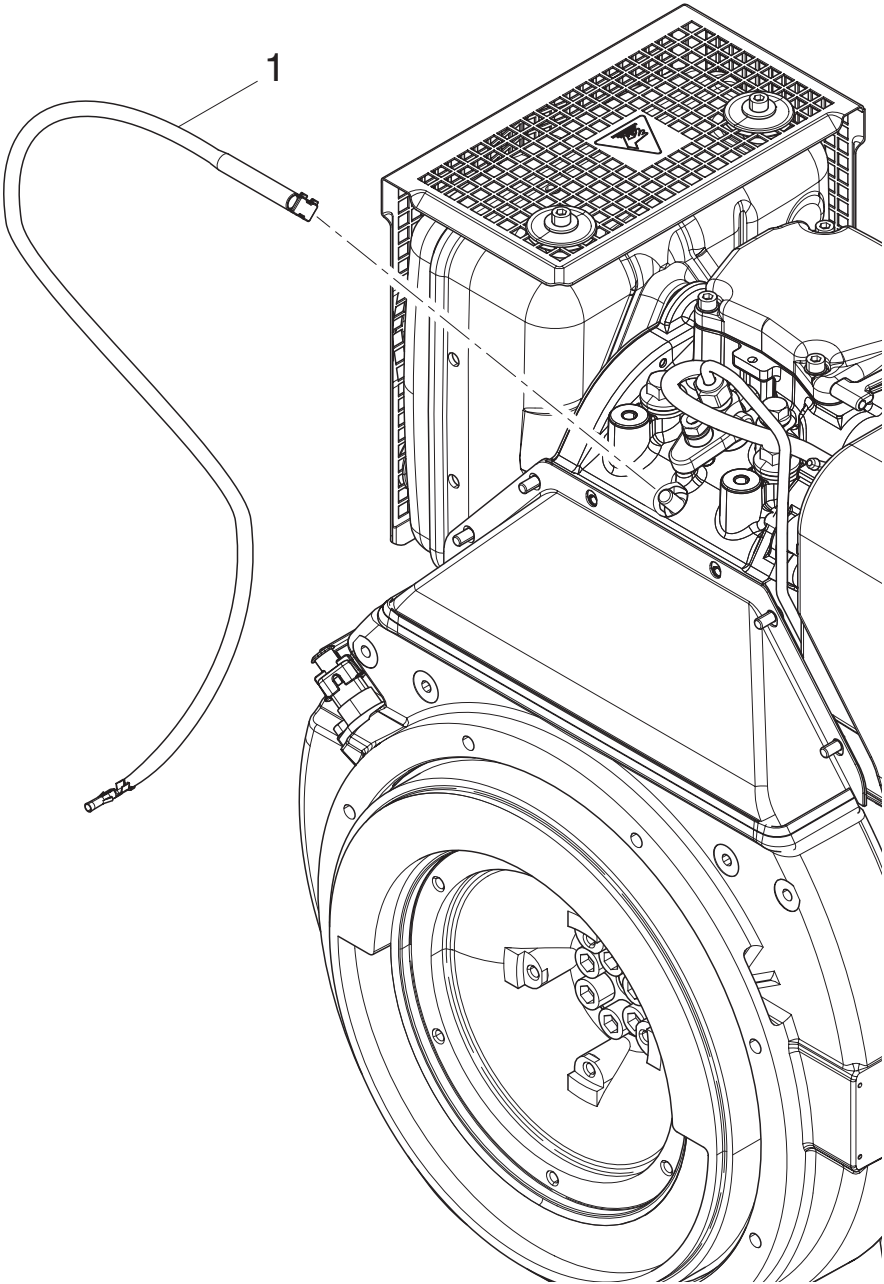


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 026 157 10	1		

0000 026 184 00

Wiring harness
Kabelstrang Ekp Ak Lose
Faisceau Electr.
Tronco De Cables
Wiring Harness

Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 026 184 00	1		



0000 025 979 00

Protection cap
Schutzhappe Kabelstrang
Capot Protection
Capuchon Protect.
Cappuccio Protezione

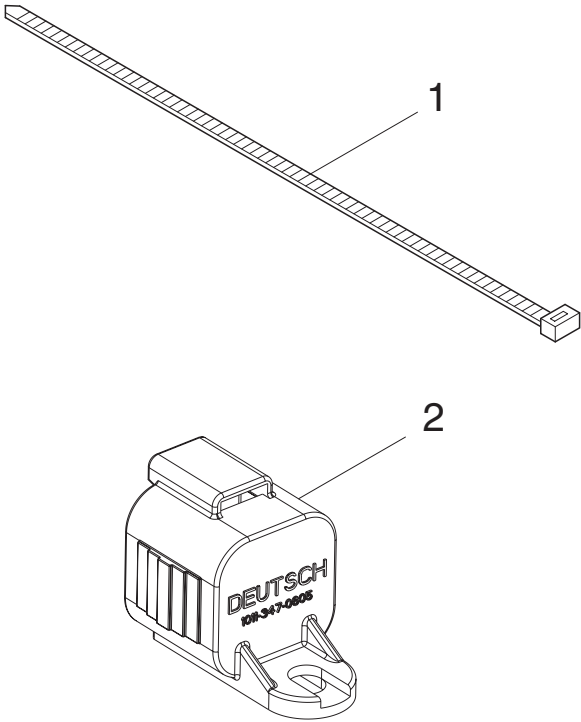


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 506 872 00	1		
2	0000 504 395 00	1	2,6 x 200 mm Black	

0000 015 560 00

Mounting parts engine fix.
Anbauteile zur Motorbefestigung
Piec.Mont.Fix.Mot.
Piez.Mont.Fijac.Mot
Anbaut.Z Motorbef.

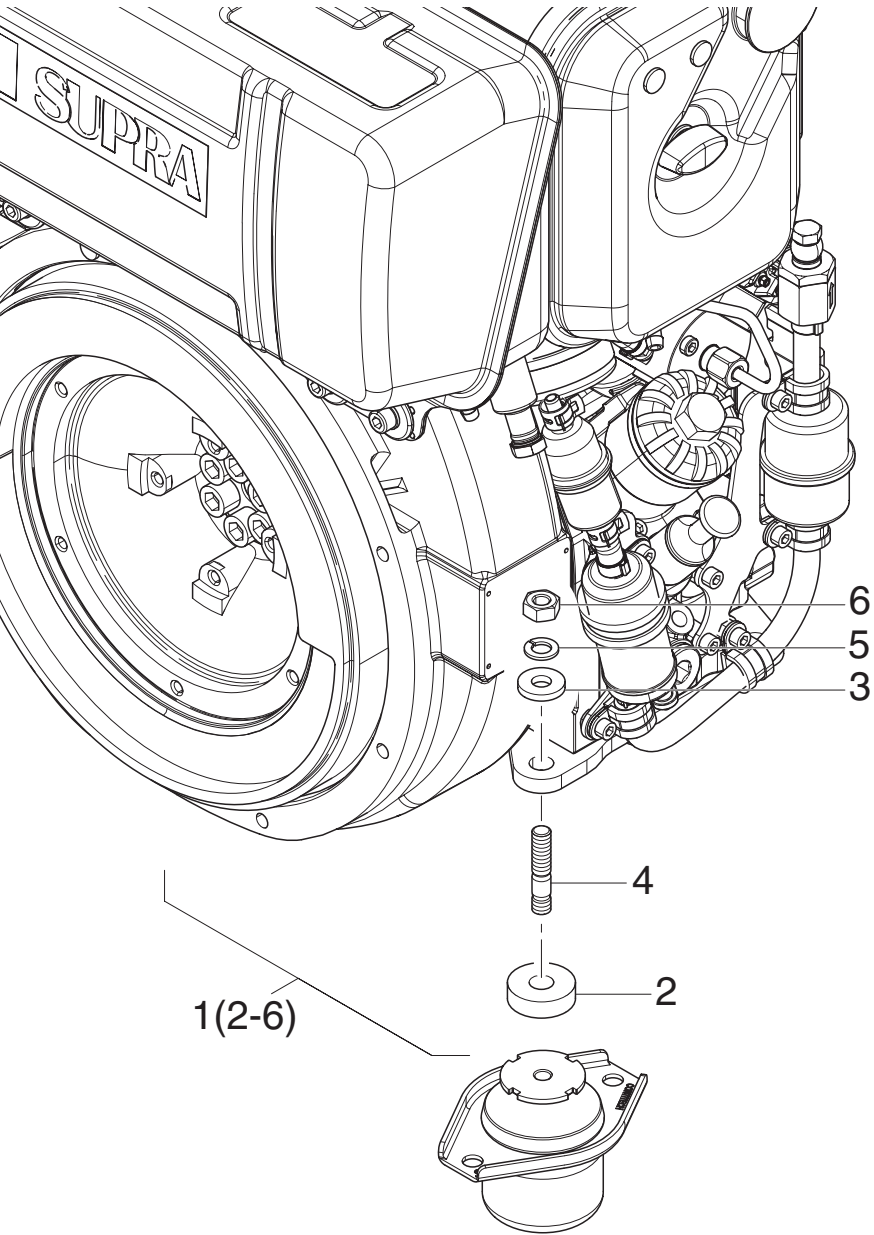


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 025 196 00	1		
2	0000 051 122 00	2		13 x 36 x 10,5
3	0000 500 706 00	2		10,5 x 25 x 4 DIN 7349 A3B
4	0000 501 248 00	2		M 10 x 40 DIN 939
5	0000 501 356 00	2		10 DIN 128 A3B
6	0000 501 458 00	2		M10 DIN 934-8 A3B

0000 025 206 00

Mounting parts elastic engine fix. S/Z
Anbauteile elastische Motorbefestigung
Piec.Mont.Fix.Mot. S/Z
Piez.Mont.Fijac.Mot S/Z
Parti Fissaggio S/Z

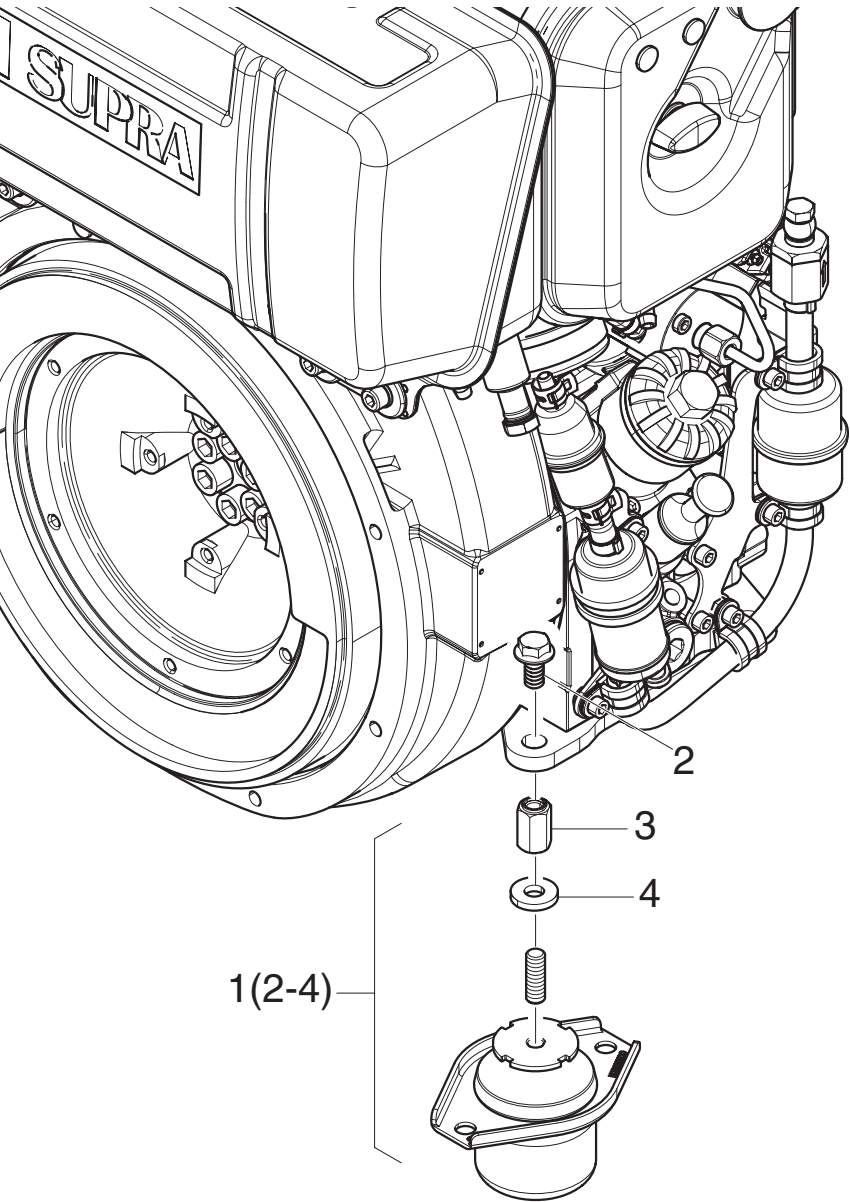


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 025 207 00	1		
2	0000 503 866 00	2		M 10 x 20 A3B
3	0000 051 178 00	2		M10 x 25
4	0000 500 706 00	2		10,5 x 25 x 4 DIN 7349 A3B

0000 011 414 00

Vibration damper / Isolators (set)
Schwingungsdämpfer
Amortisseur Vibrat.
Amortiguador Vibrac
Antivibranti Hydro

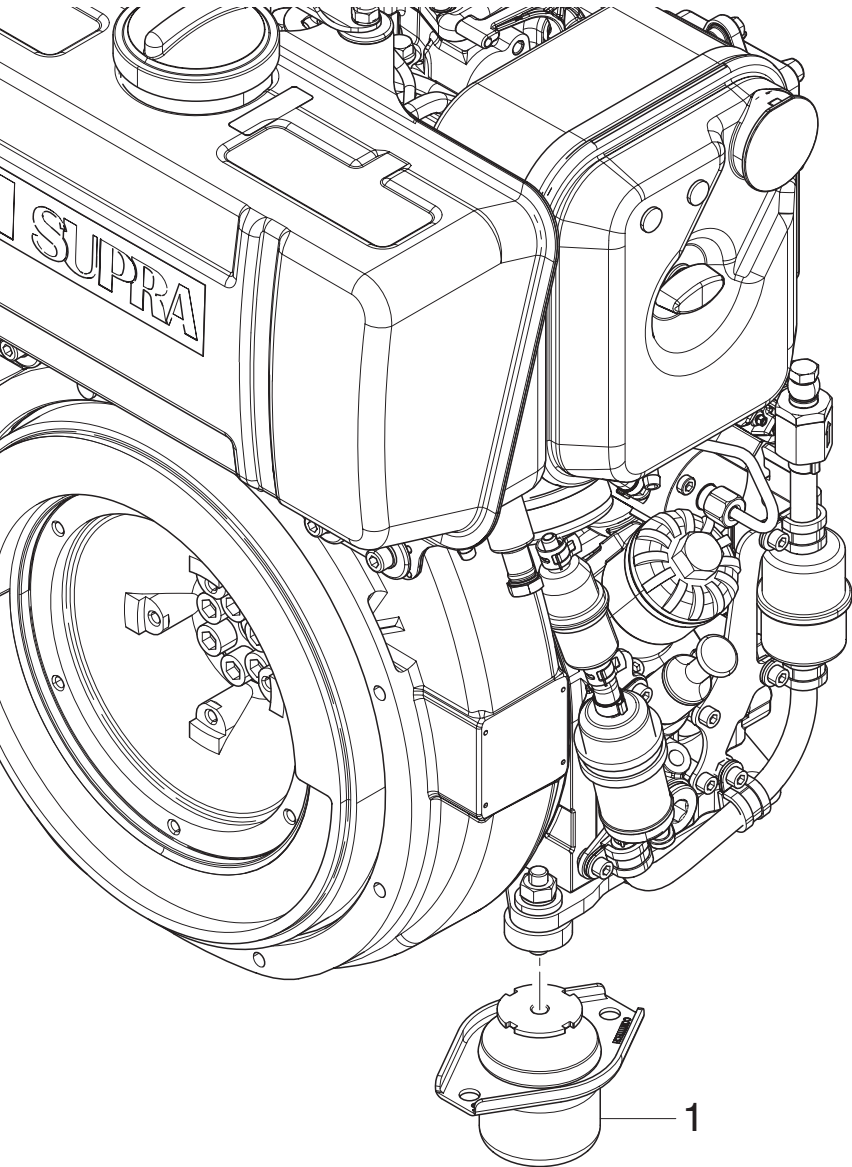


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 503 236 00	4		V 12 / 600

0000 014 359 02

Engine bracket flywheel side
Motorfüsse Schwungradseitig elast.
Pied Moteur Cot.Vol
Soporte Del Motor
Supporto Motore

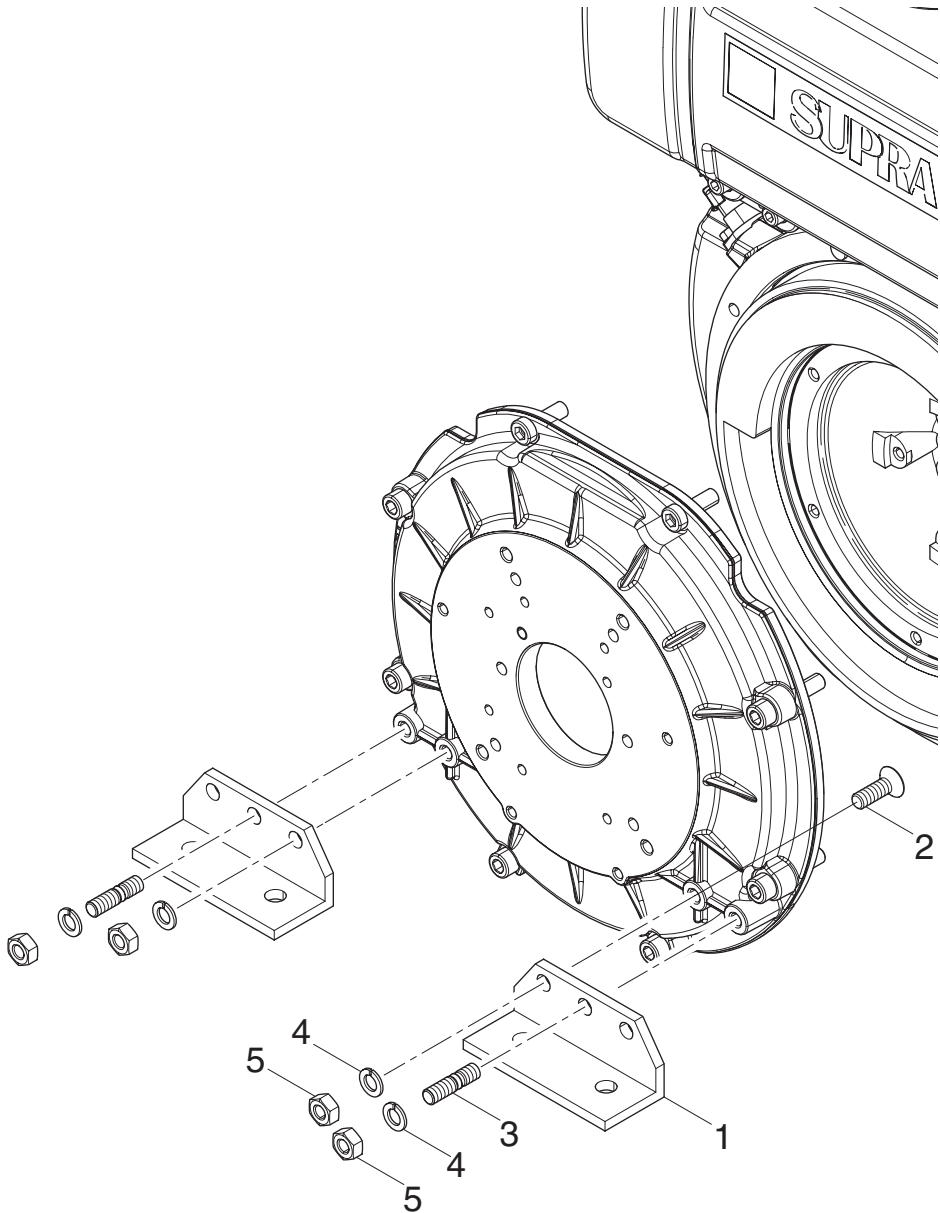


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 700 01	2		
2	0000 501 156 00	2		M10X30 A3B
3	0000 501 457 00	2		M 10 x 20 DIN 835-8.8 A3B
4	0000 501 356 00	4		10 DIN 128 A3B
5	0000 501 458 00	4		M10 DIN 934-8 A3B

0000 011 916 02

Engine mounting 74,5mm
Motorbefestigung starr 74,5
Fixat.De Mot.74,5Mm
Fijac.De Motor 74,5
Supporto Motore

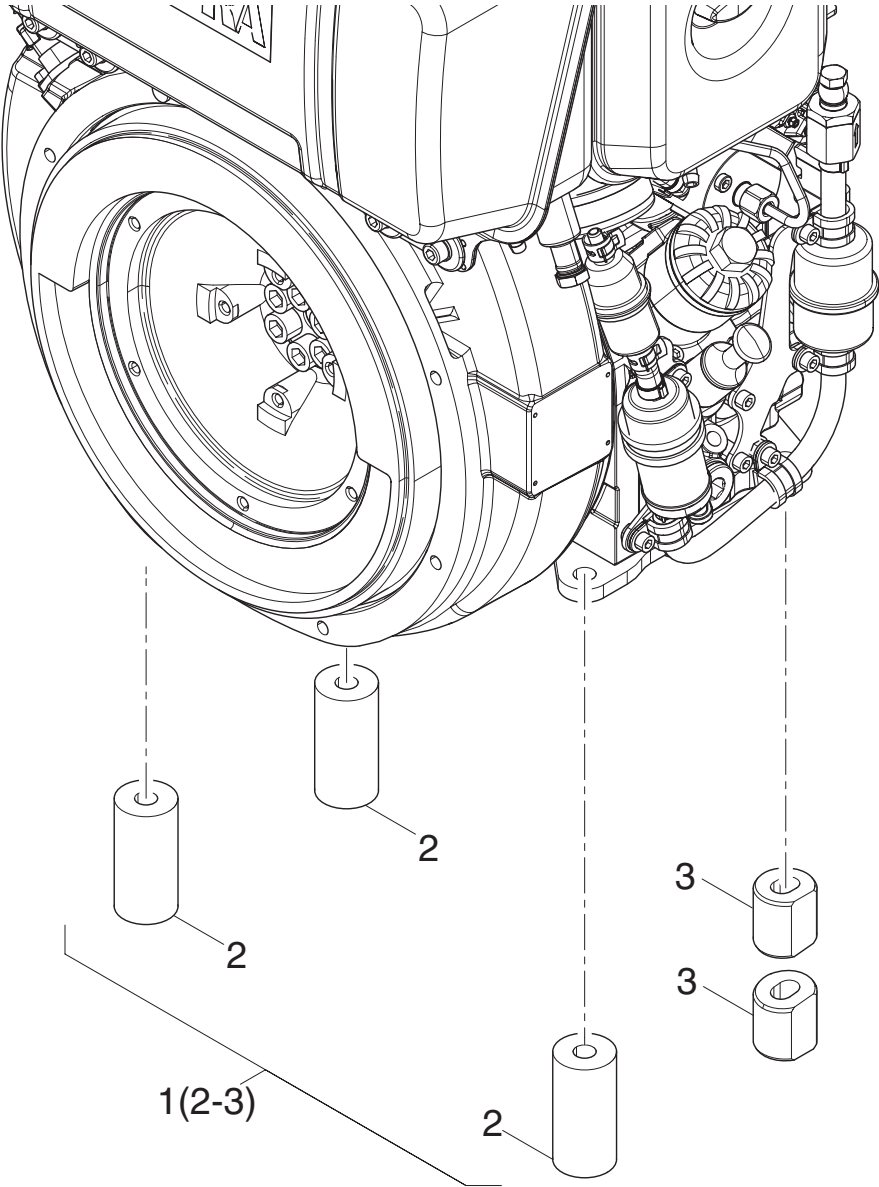


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 025 197 00	1		
2	0000 039 646 10	3		13 x 36 x 74,5
3	0000 050 180 11	2		f. Höhe 74,5 f. height 74.5

0000 014 644 01

Engine brackets
Motorfüsse Starr
Pieds De Moteur
Soportes Motores
Staffa Motore

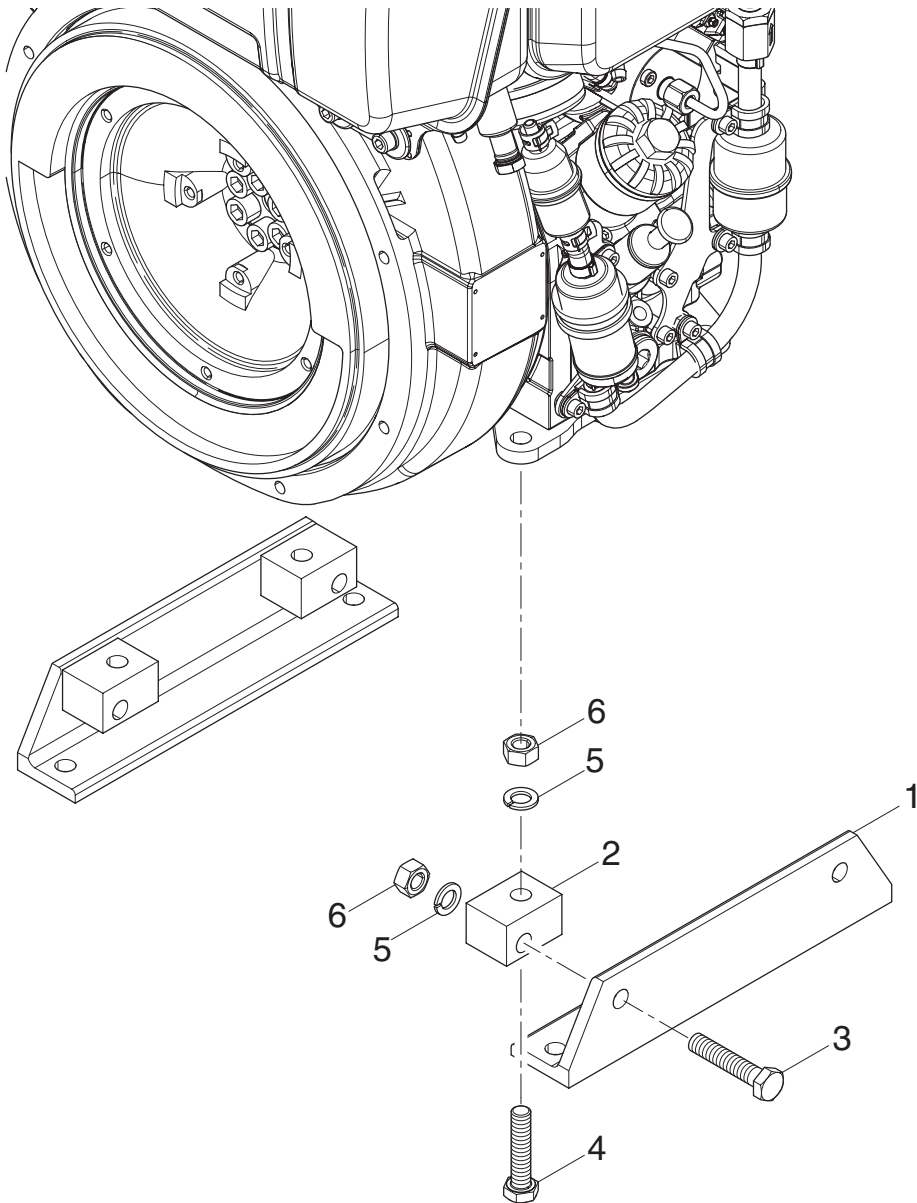


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 050 196 11	2		
2	0000 050 195 00	4		
3	0000 500 317 00	4		M12X 60 DIN 931 - 8.8 A3B
4	0000 504 555 00	4		M12X 55 DIN 931 - 8.8 A3B
5	0000 500 632 00	8		12 DIN 128 A3B
6	0000 500 936 00	8		M12 DIN 934-8 A3B

0000 015 594 00

Engine bracket 10,5mm
Motorfuss Steuerseitig H10,5
Pied De Moteur
Soporte Del Motor
Staffe Motore

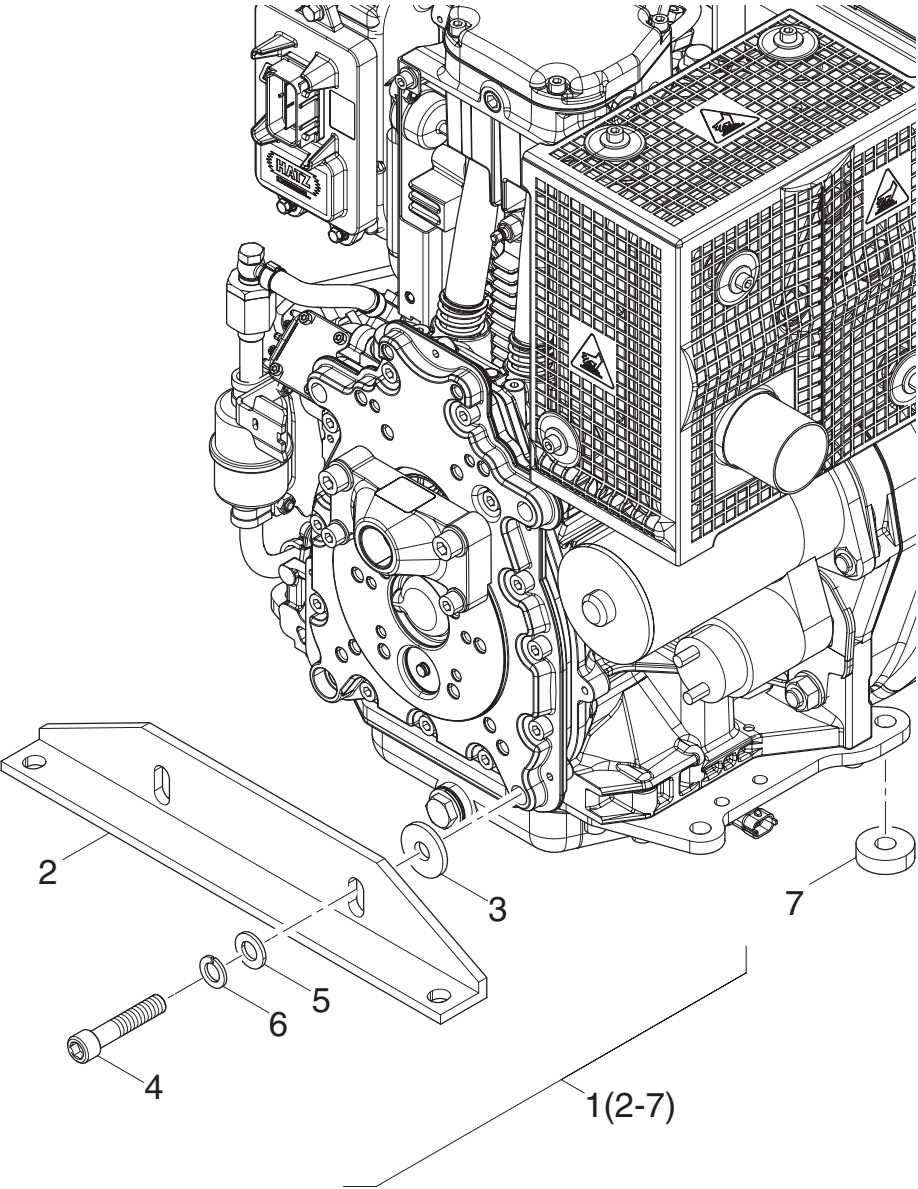


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 025 190 00	1		
2	0000 051 151 00	1		
3	0000 051 152 00	2		
4	0000 500 568 00	2		M12 X 60 DIN 912-8.8 A3B
5	0000 500 937 00	2		13 DIN 125-St A3B
6	0000 500 632 00	2		12 DIN 128 A3B
7	0000 051 122 00	2		13 x 36 x 10,5

0000 020 902 00

Closing plug 8,9 intermediate housing
Stopfen 8,9 Anschlussgehäuse
Bouchon 8,9
Tapon De Cierre 8,9
Tappo Di Chiusura

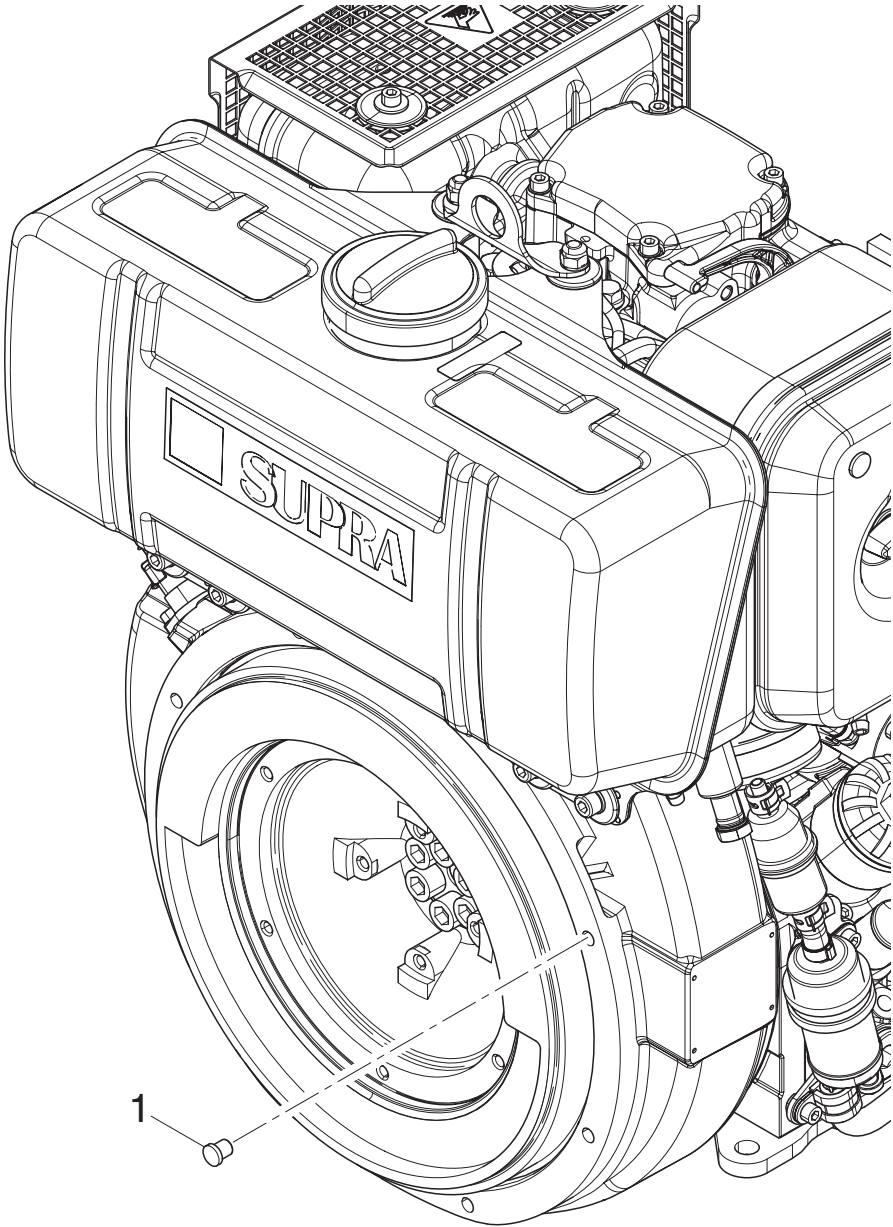


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1D90E		
1	0000 504 216 00	8		12

0000 020 905 00

SAE B housing
Anschlussgehäuse 80
SAE-Carter B
SAE-Caja B
Campana B

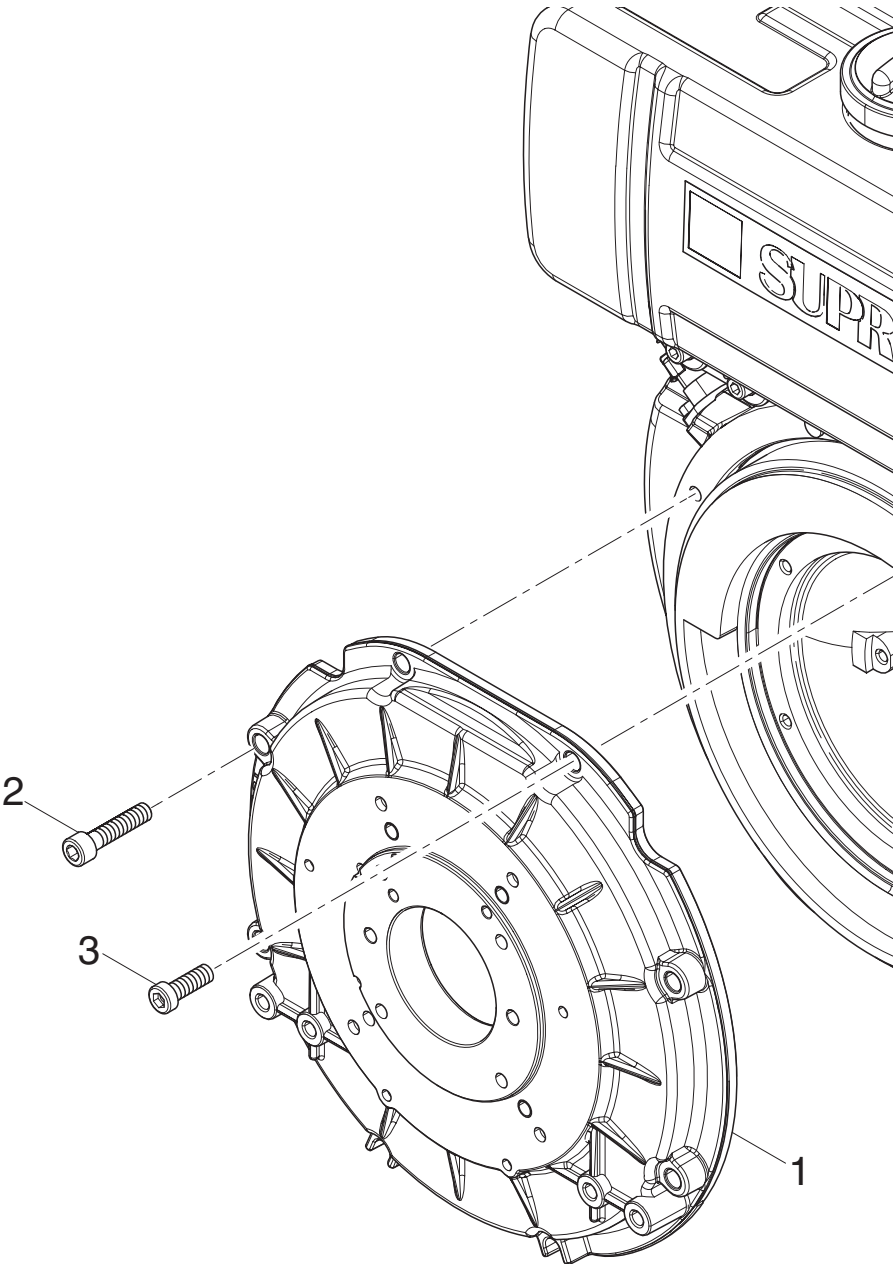


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 534 03	1		
2	0000 500 547 00	6		M10 X 45 DIN 912-8.8 A3B
3	0000 500 543 00	2		M10 X 30 DIN 6912-8.8 A3B

0000 020 906 00

SAE B housing
Anschlussgehäuse 80
SAE-Carter B
SAE-Caja B
Campana SAE B

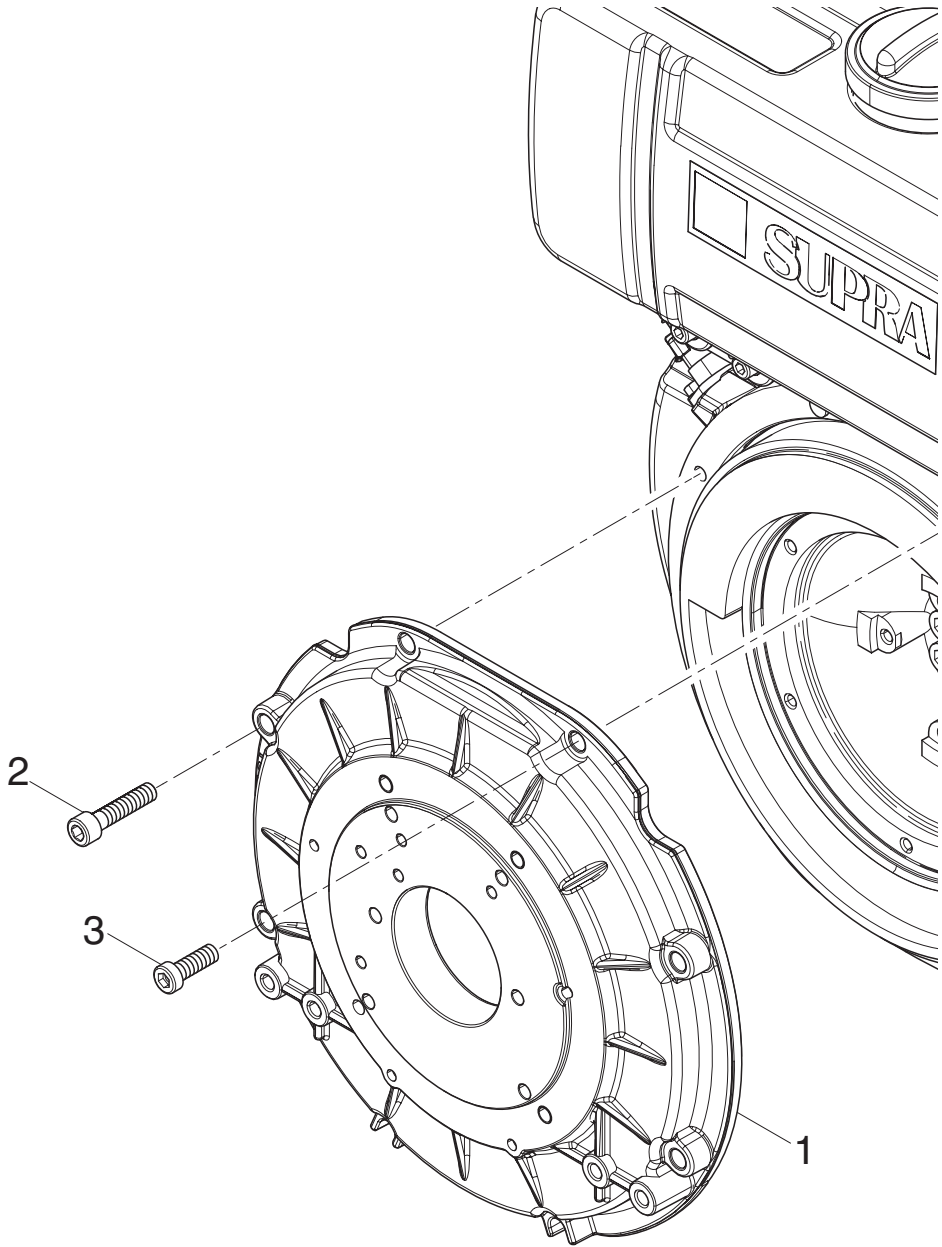


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 535 03	1		
2	0000 500 547 00	6		M10 X 45 DIN 912-8.8 A3B
3	0000 500 543 00	2		M10 X 30 DIN 6912-8.8 A3B

0000 020 912 00

Intermediate housing HP 80 bolt
Anschlussgehäuse 80
Bride Raccord.HPSAE
Caja De Con.HP SAE
Campana SAE

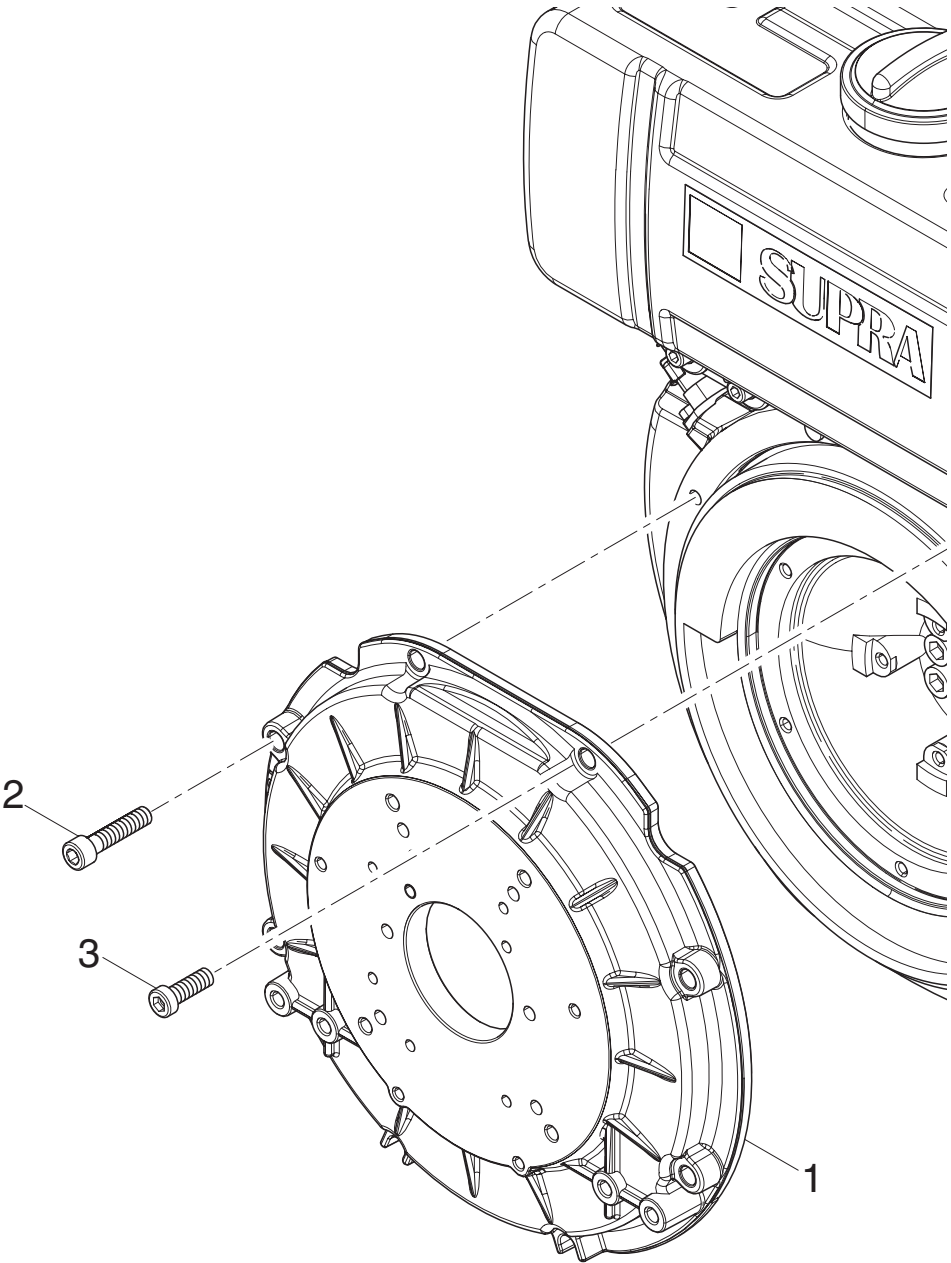


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 539 03	1		BOSCH 80
2	0000 500 547 00	6		M10 X 45 DIN 912-8.8 A3B
3	0000 500 543 00	2		M10 X 30 DIN 6912-8.8 A3B

0000 020 910 00

SAE A intermediate housing HP 2 bolt
Anschlussgehäuse SAE-A
Bride Raccord.HPSAE
Caja De Con. HP SAE
Campana SAE

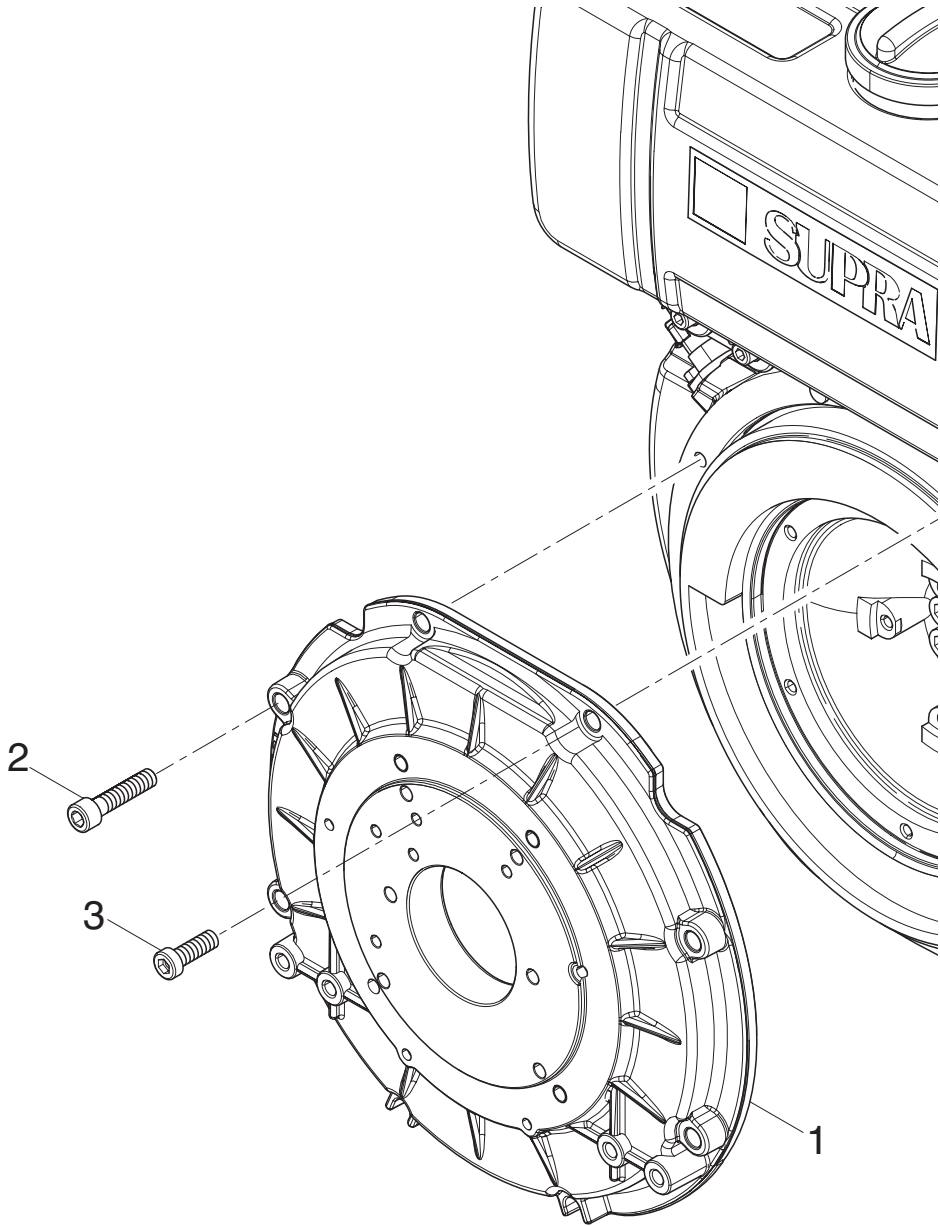


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 538 03	1		SAE „A“ 82,55
2	0000 500 547 00	6		M10 X 45 DIN 912-8.8 A3B
3	0000 500 543 00	2		M10 X 30 DIN 6912-8.8 A3B

0000 020 911 00

SAE B intermediate housing HP 4 bolt
Anschlussgehäuse SAE-B
Bride Raccord.HPSAE
Caja De Con.HP SAE
Campana SAE

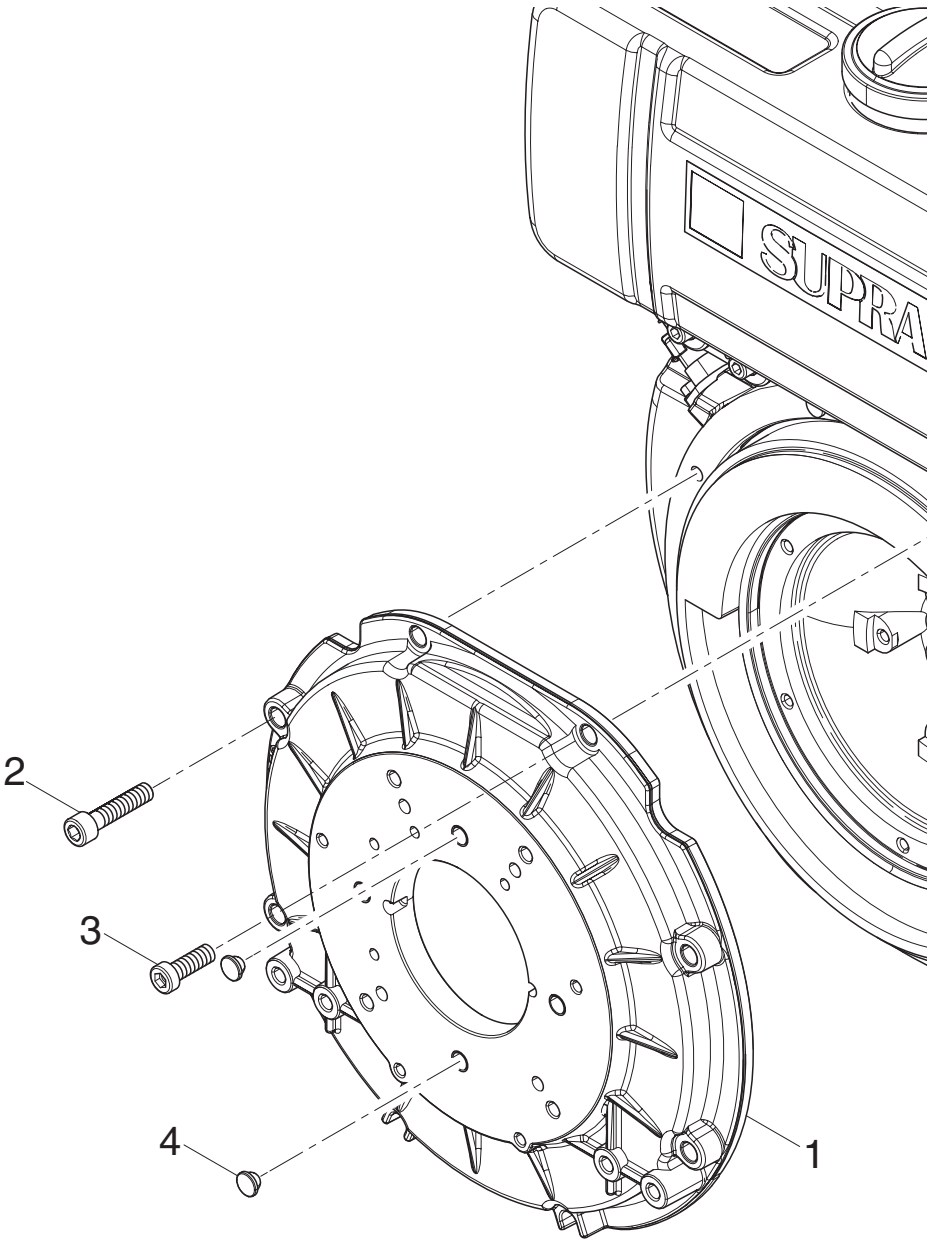


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 536 04	1		SAE „B“ 101,6
2	0000 500 547 00	6		M10 X 45 DIN 912-8.8 A3B
3	0000 500 543 00	2		M10 X 30 DIN 6912-8.8 A3B
4	0000 501 608 00	2		F 5 14x10,7x7,5

0000 011 701 00

Pilot bearing support
Spurlagerhalter
Support Roulement
Soporte Rodamiento
Supp. Cusci. Pilota

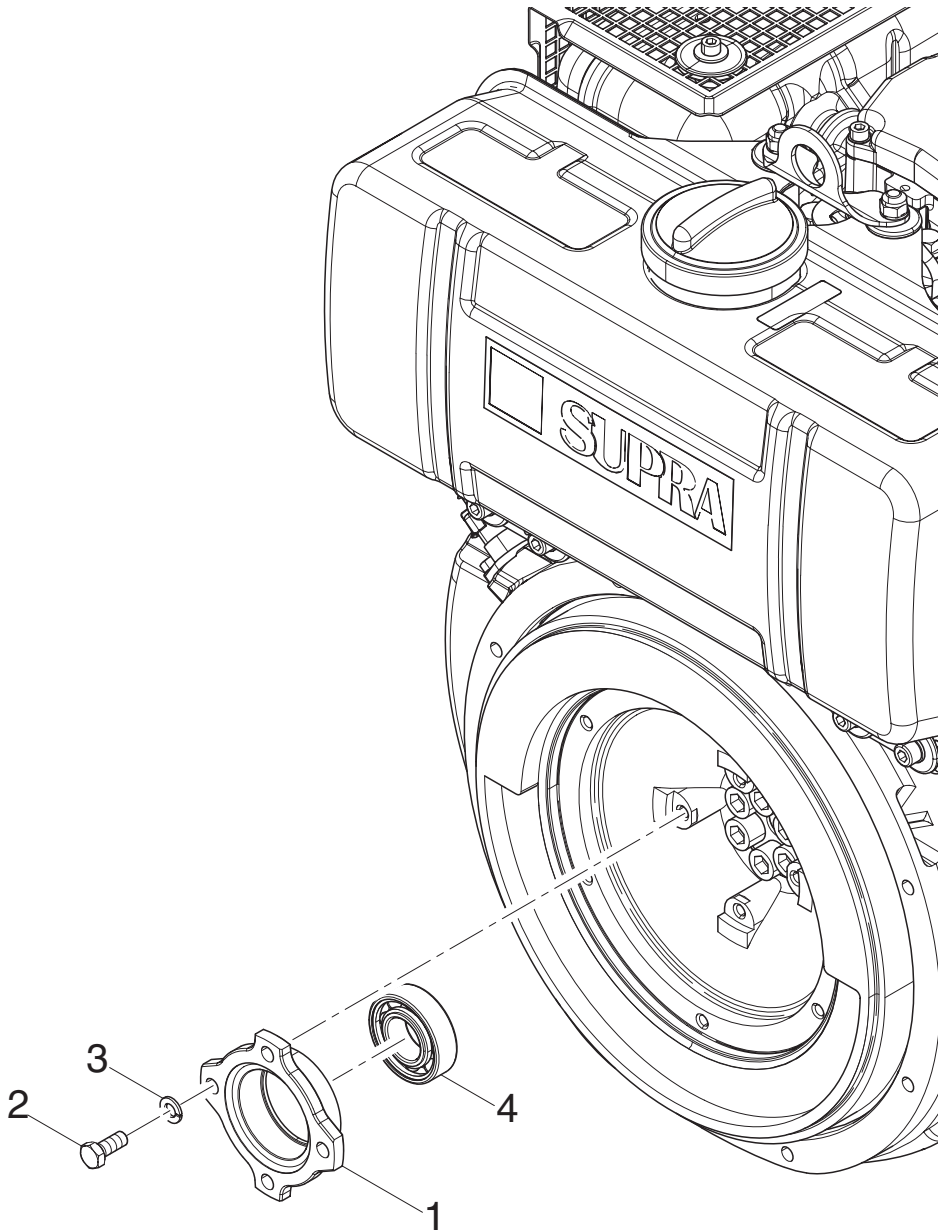


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 612 00	1		
2	0000 500 268 00	4		M 8 x 20 DIN 933-8.8
3	0000 500 028 00	4		8 DIN 128
4	0000 500 141 00	1		DIN 625 6205 2RS

0000 011 751 00

Drive Flange M42
Elastische Kupplung M 42
Aneau Entraînement M42
Anillo De Mando M42
Anello Trascin.

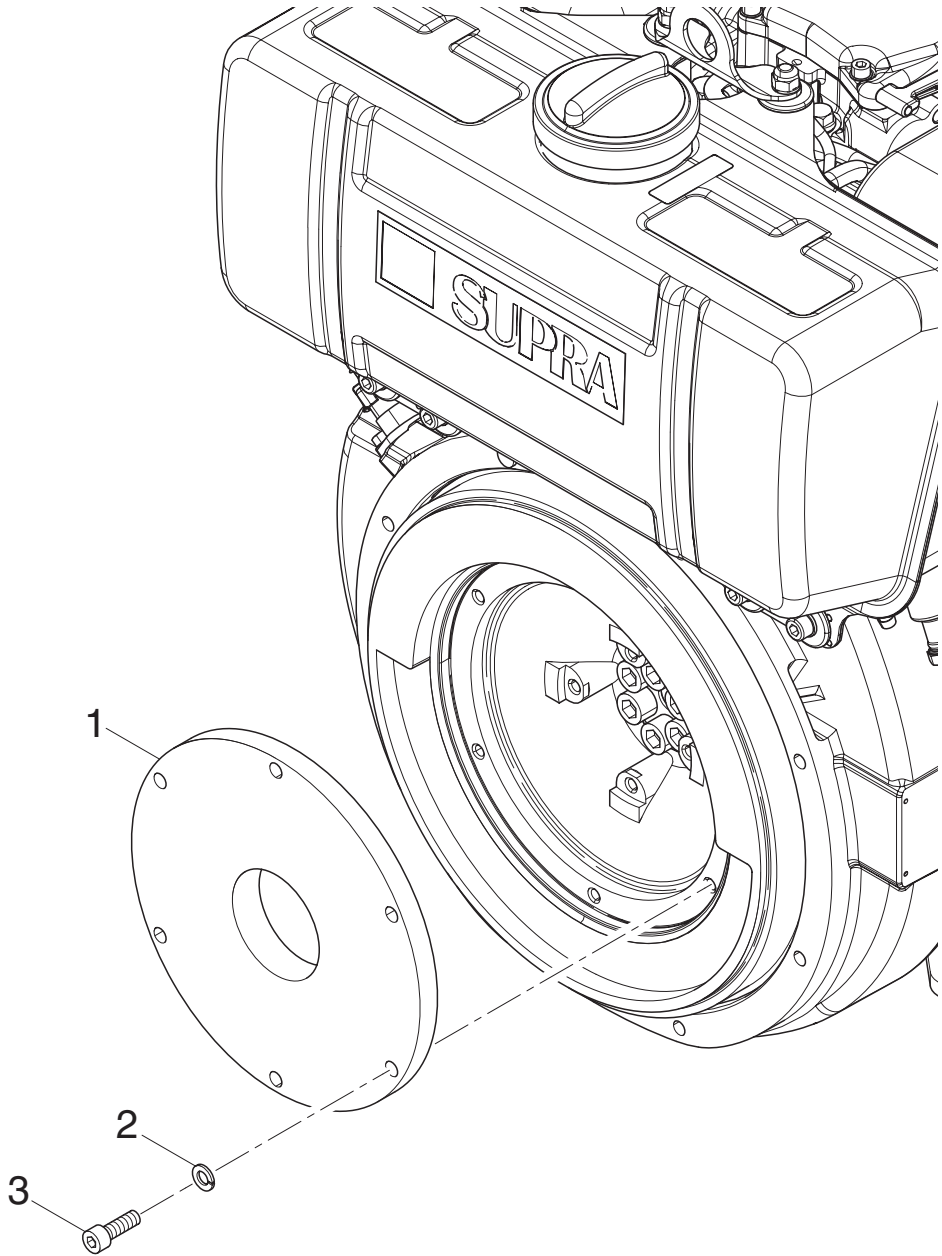


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 503 545 00	1		
2	0000 502 085 00	6		8 DIN 128 A3B
3	0000 501 715 00	6		M 8 X 25 DIN 912-8.8 A3B

0000 011 756 00

Shaft 2 SAE 1
Wellensummel 2 SAE 1
Arbre 2 SAE 1
Eje SAE 2 SAE 1
Albero 2 Diam 1

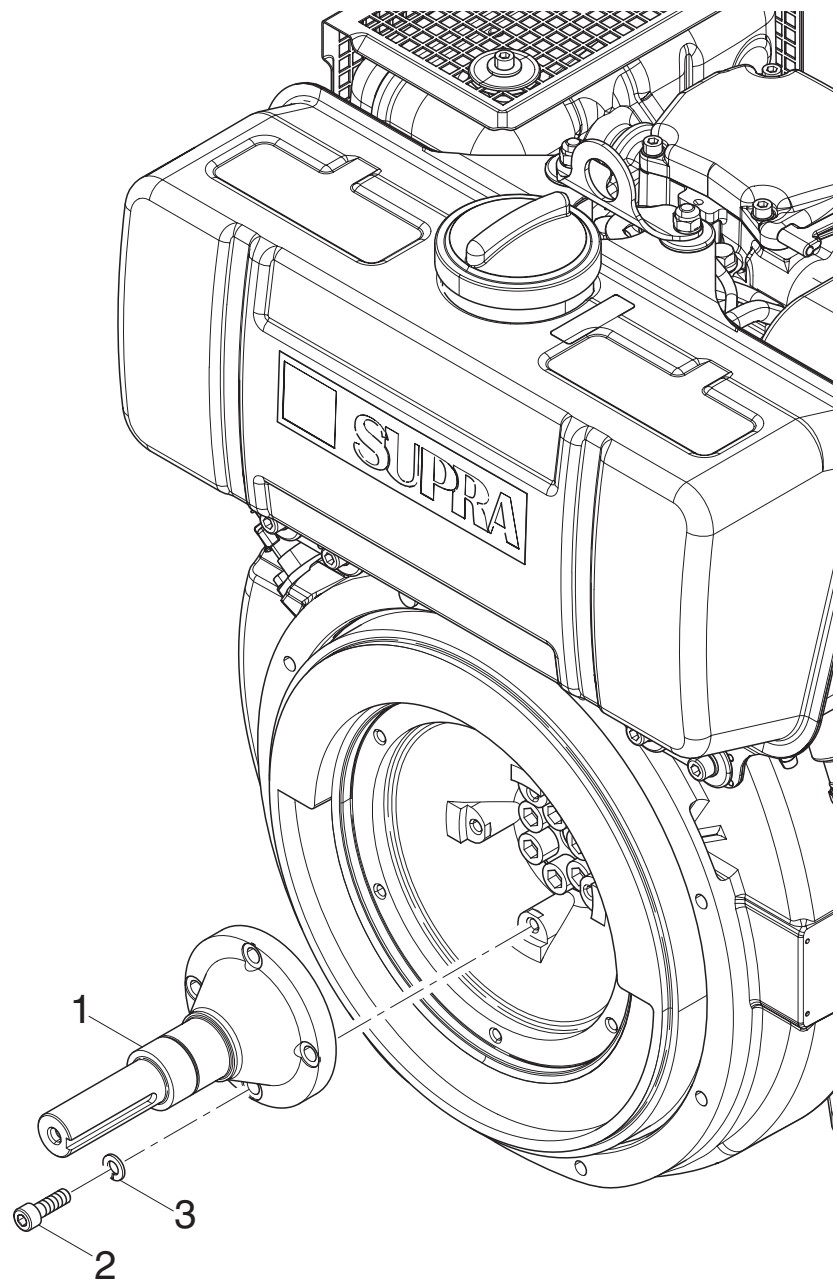


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 520 01	1		2 ø 1"
2	0000 500 521 00	4		M 8 X 25 DIN 912-8.8
3	0000 500 028 00	4		8 DIN 128

0000 011 752 00

Mounting Parts
Anbauteile Fliehkraftregler
Piec-Mont.Poulicent
P.Mont.P.Polea Cent
Supporto Puleggia

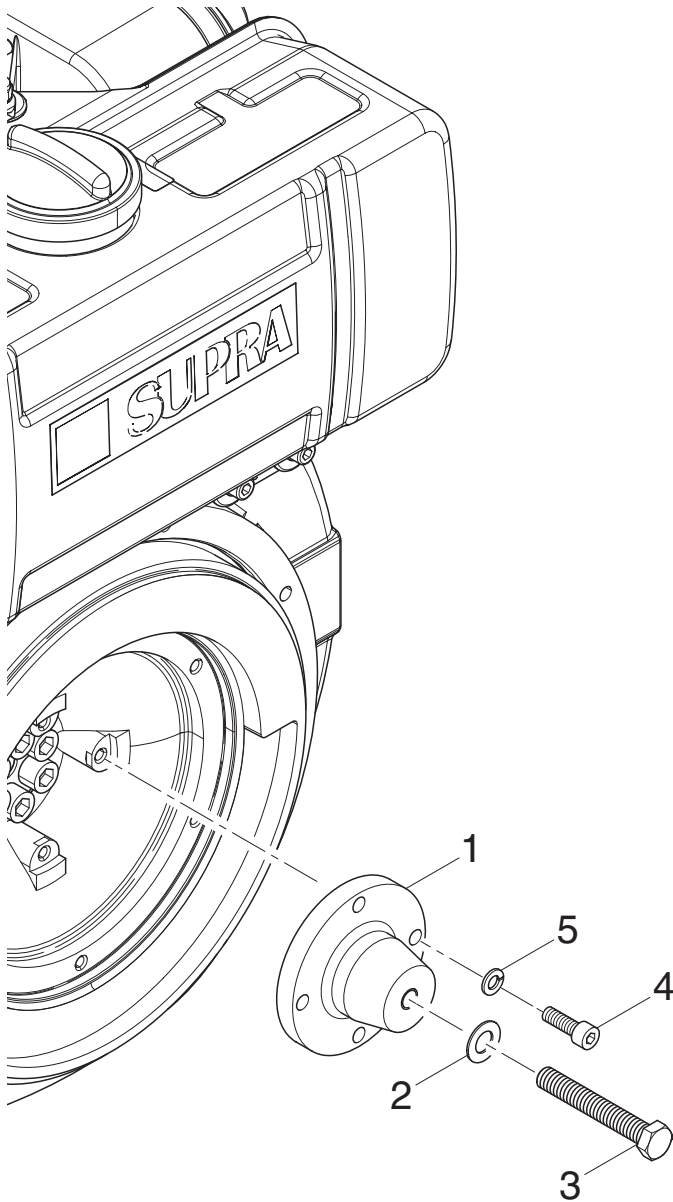


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 516 00	1		
2	0000 500 036 00	1		B12 DIN 137
3	0000 500 319 00	1		M 12 x 80 DIN 931 - 8.8
4	0000 501 715 00	4		M 8 X 25 DIN 912-8.8 A3B
5	0000 502 085 00	4		8 DIN 128 A3B

0000 011 778 00

Shaft 2 Ø30mm
Wellenstummel 2 Ø30mm
Arbre 2 30Mm
Eje 2 30Mm
Albero 2 30Mm

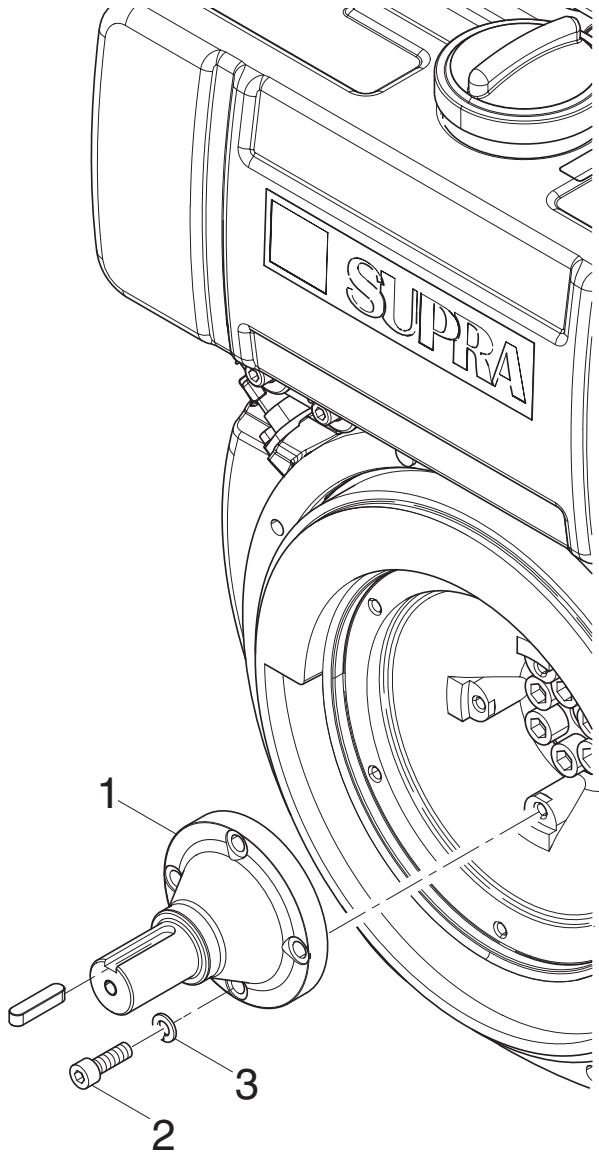


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 543 00	1		2 ø 30 mm
2	0000 501 715 00	4		M 8 X 25 DIN 912-8.8 A3B
3	0000 502 085 00	4		8 DIN 128 A3B

0000 011 769 02

Shaft 4 cone 1
Wellenstummel 4 1 K
Arbre 4 Cone 1
Eje Conico Nr. 4 P. Gen. Con SAE J609B
Albero 4 Cono 1

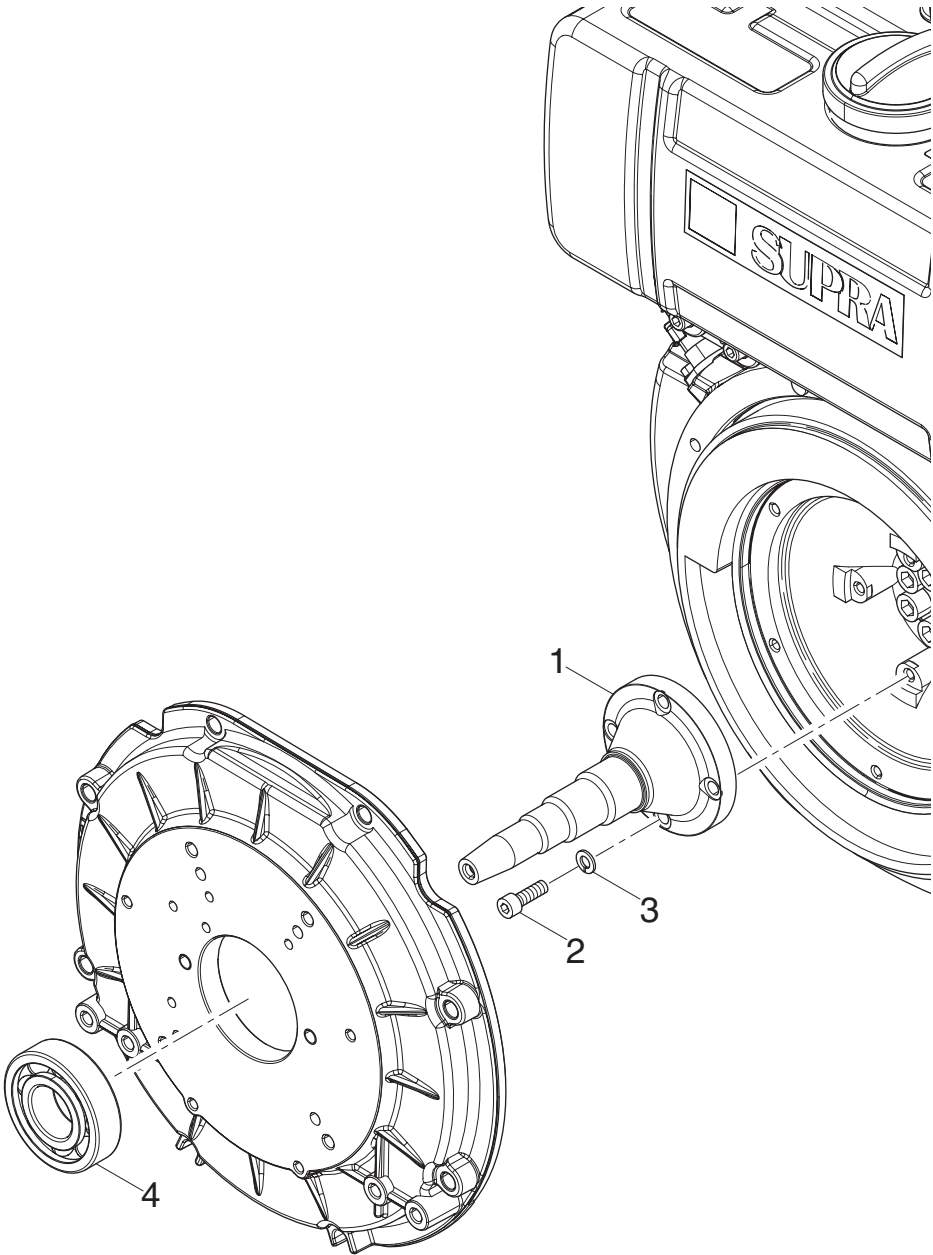


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 532 01	1		4 (1") keg., con.
2	0000 501 715 00	4		M 8 X 25 DIN 912-8.8 A3B
3	0000 502 085 00	4		8 DIN 128 A3B
4	0000 504 798 00	4		EC 6307 LLu C3/2A

0000 020 709 00

Stubshaft for external bearing
Wellenstummel zum Aussenlager
Bout D'Arbre P. Palier Extern.
Eje P. Rodamiento Extern.
Stubshaft F. External Bearing

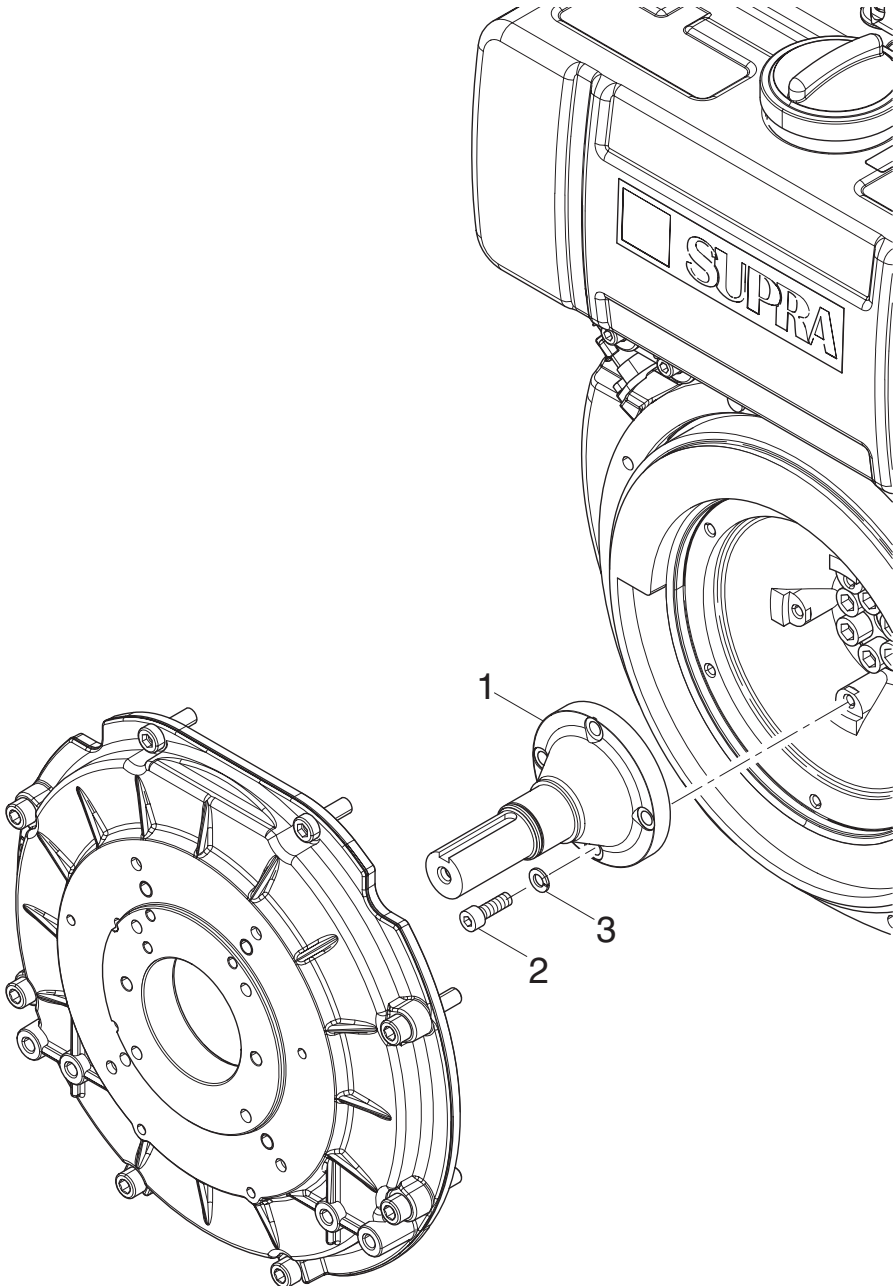


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 540 00	1		
2	0000 501 715 00	4		M 8 X 25 DIN 912-8.8 A3B
3	0000 502 085 00	4		8 DIN 128 A3B

0000 020 909 00

External bearing 1D90E
Aussenlager 1D90E
Palier Exterieur 1D90E
Rodamiento Exterior 1D90E
Contralb.+Cuscinet. 1D90E

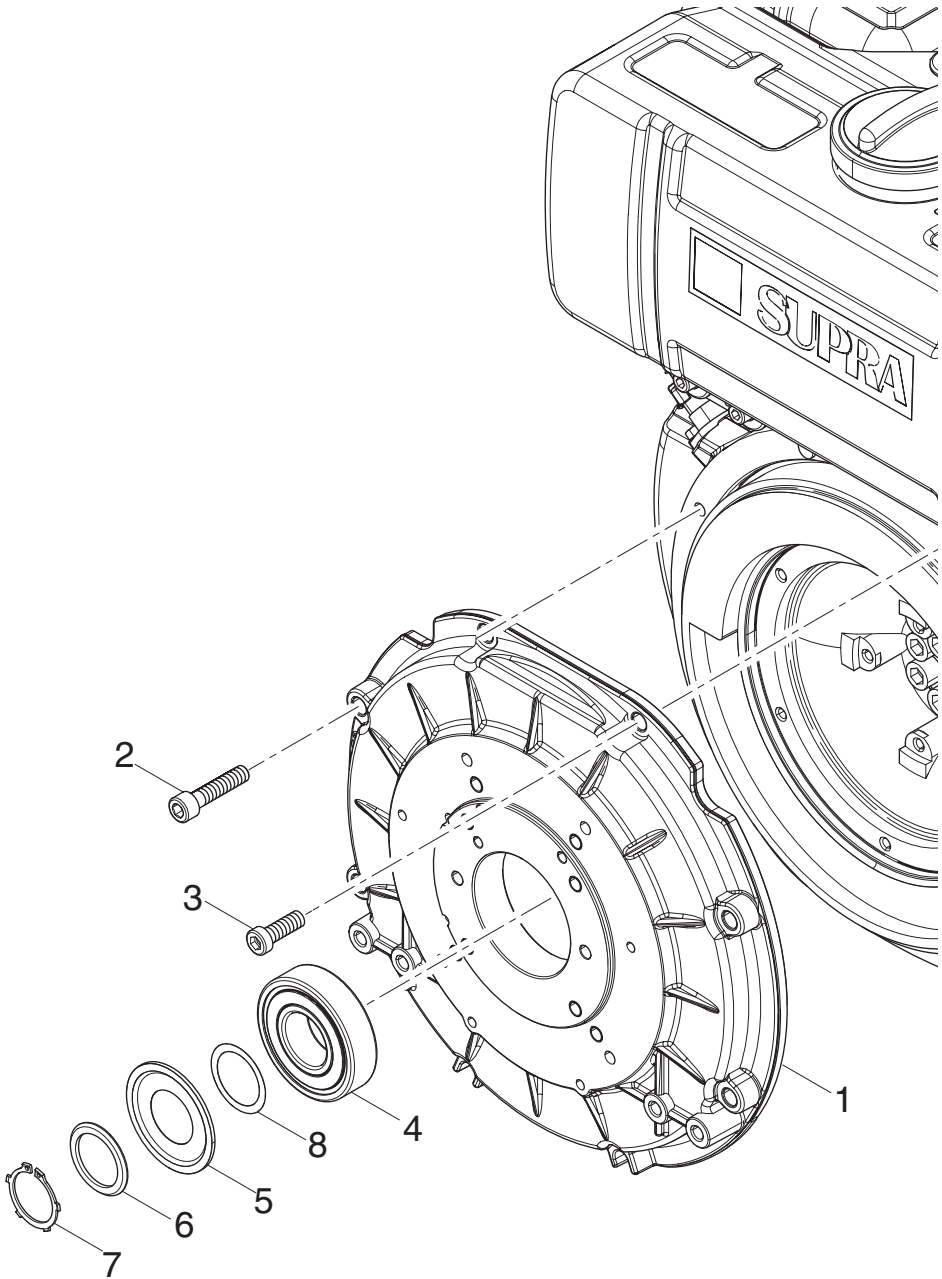


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 039 534 03	1		
2	0000 500 547 00	6		M10 X 45 DIN 912-8.8 A3B
3	0000 500 543 00	2		M10 X 30 DIN 6912-8.8 A3B
4	0000 500 150 00	1		
5	0000 503 452 00	1		
6	0000 503 543 00	1		
7	0000 503 544 00	1		AL 35 x 1,5
8	0000 506 015 00	1		

0000 012 434 02

Bearing flange
Lagerflansch
Palier
Brida De Cojinete
Bearingflange

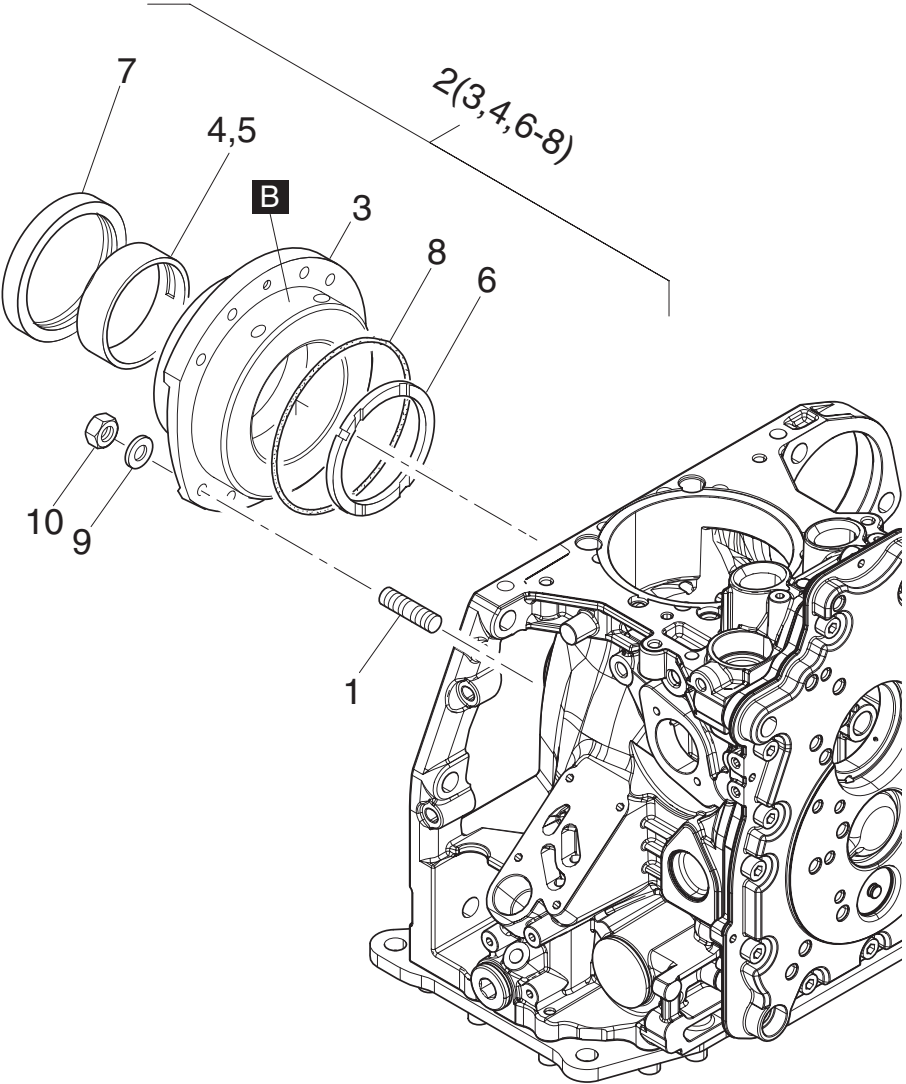


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 029 01	8		M 8 x 22 DIN 835-10.9 Precote 5
2	0000 012 921 10	1		
3	0000 040 642 11	1		
4	0000 040 068 01	1		
5	0000 040 361 01	1		
6	0000 040 006 00	1		
7	0000 503 627 01	1		62 x 90 x 10
8	0000 502 249 00	1		123 x 2,5
9	0000 504 136 00	8		8,4 300 HV DIN 125A-A3B
10	0000 503 643 00	8		M 8 DIN 934 - 10.9 A3B

0000 020 913 00

Mounting parts hydraulic pump
Anbauteile HP Unten S/Z
Piec-Mont-Pomp-Hyd.
Piez.Mont.Bomba Hid
Pred.Inf.Pompa Idr.

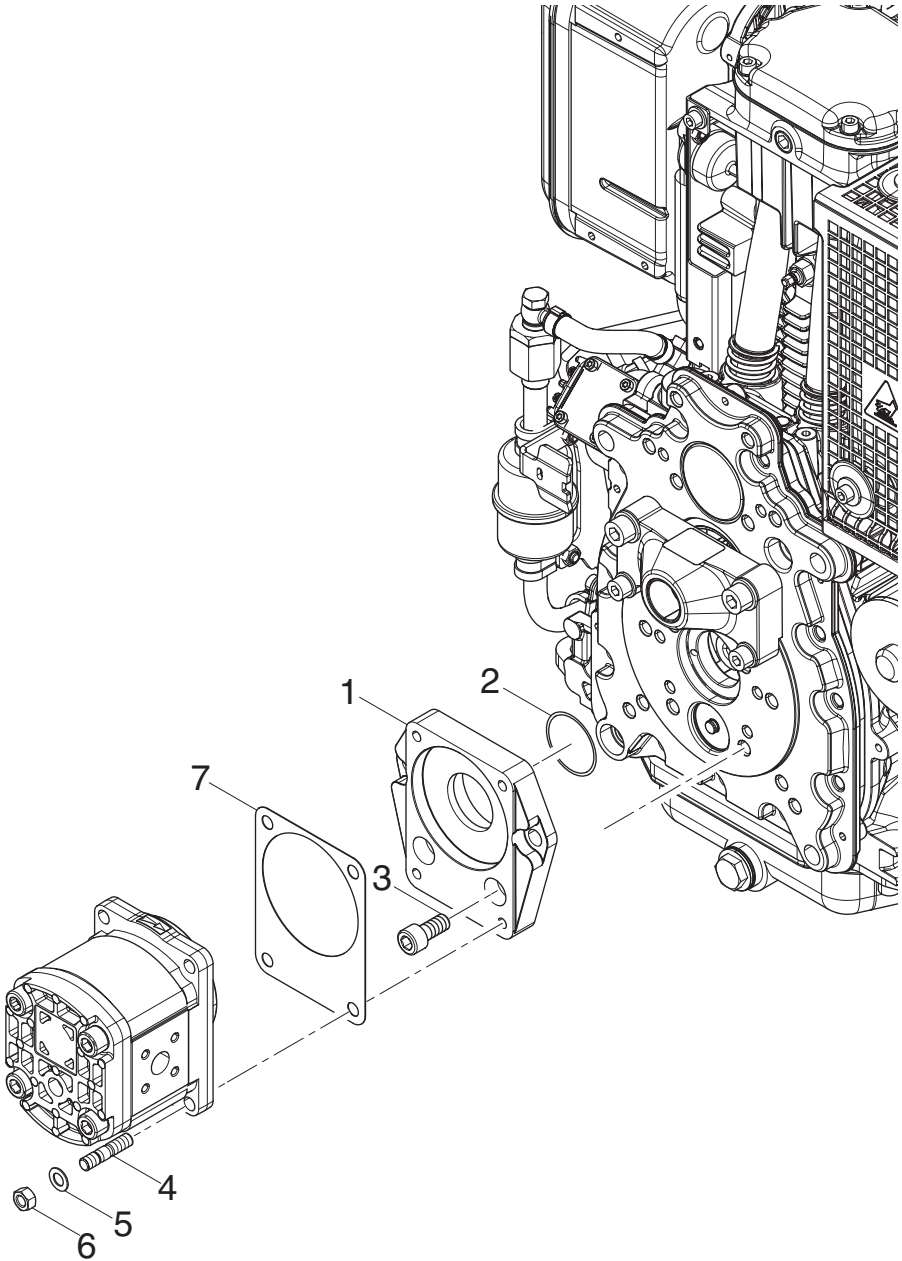


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 040 360 00	1		
2	0000 503 753 00	1		46 x 2,5
3	0000 503 979 00	4		M10 X 22 DIN 912-8.8 A3B
4	0000 500 378 00	4		TUF360G
5	0000 500 951 00	4		M 8 x 22 DIN 835-10.9
6	0000 503 353 00	4		A 8 DIN 137 A3B
7	0000 035 680 00	1		M 8 SW 12 A3B

0000 022 901 00

Screw set for hydraulic pump
Schraubensatz für Hydraulikpumpe
Jeu De Vis P. Pompe Hyd.
Juego De Esparrago P. Bomba Hidr.
Set Viti Pompa Idr.

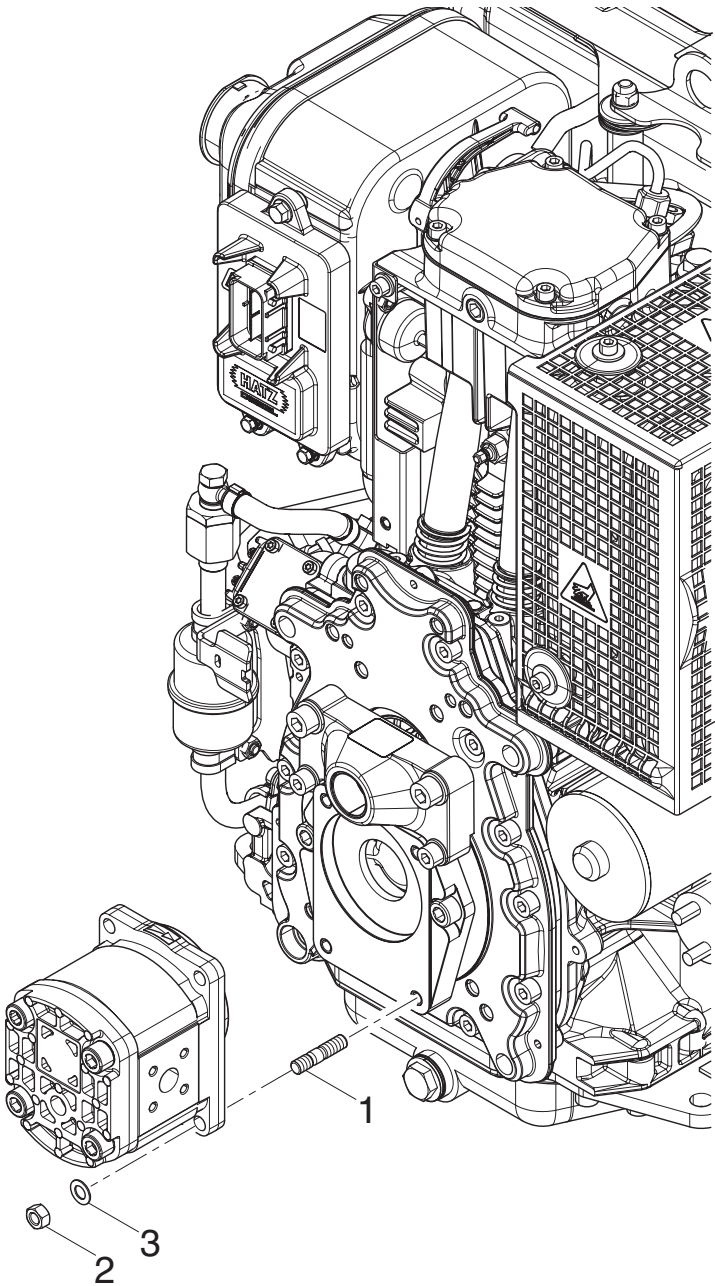


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 500 378 00	4		M 8 x 22 DIN 835-10.9
2	0000 503 353 00	4		M 8 SW 12 A3B
3	0000 502 085 00	4		8 DIN 128 A3B

0000 022 888 00

Hydr.Pump 6,45cm³/U Hatz 5.1gpm
Hydr. Zahnradpumpe Hatz 6,45cm³/U
Pompe Hydraul. 6,45cm³/U Hatz
Bomba Hidraulica 6,45cm³/U Hatz
Pompa ldr.6,45cm³/U Hatz

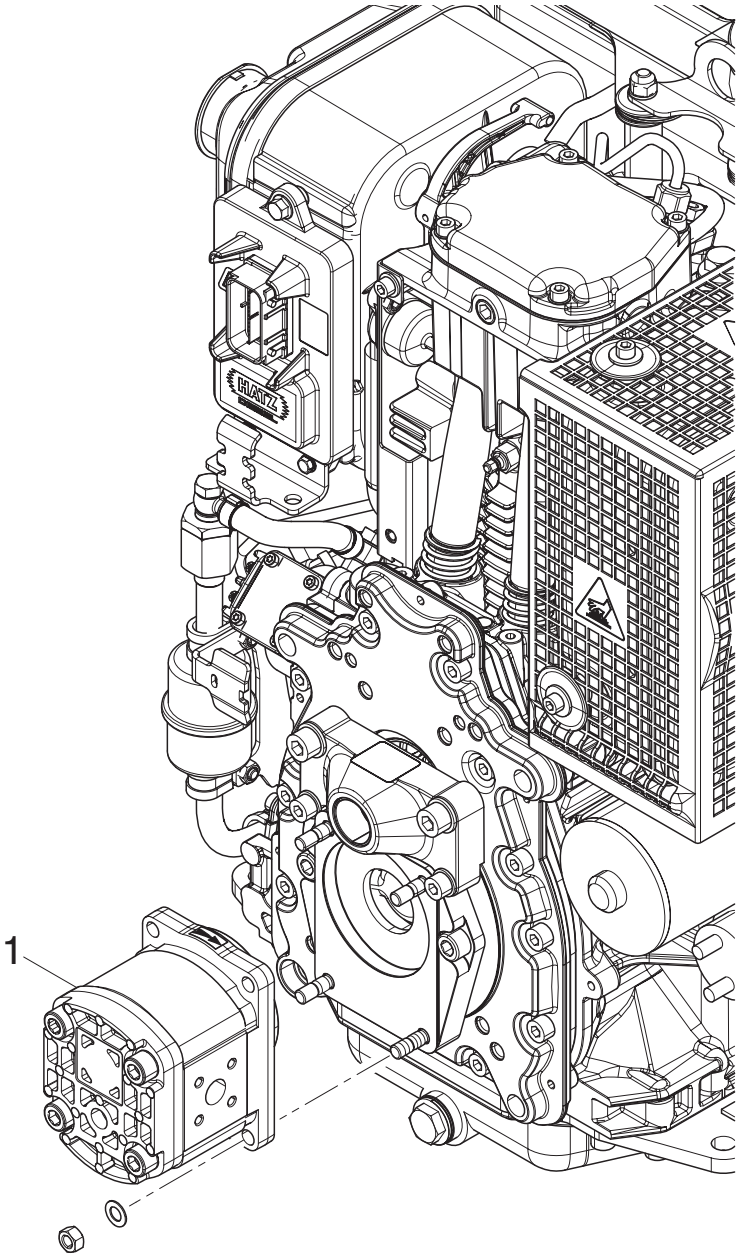


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1090E				
1	0000 400 128 10	1		

0000 022 889 00

Hydr.Pump 8,25cm³/U Hatz 6.5gpm
Hydr. Zahnradpumpe Hatz 8,25cm³/U Ø80-L
Pompe Hydraul. 8,25cm³/U Hatz
Bomba Hidraulica 8,25cm³/U Hatz
Pompa ldr.8,25cm³/U Hatz

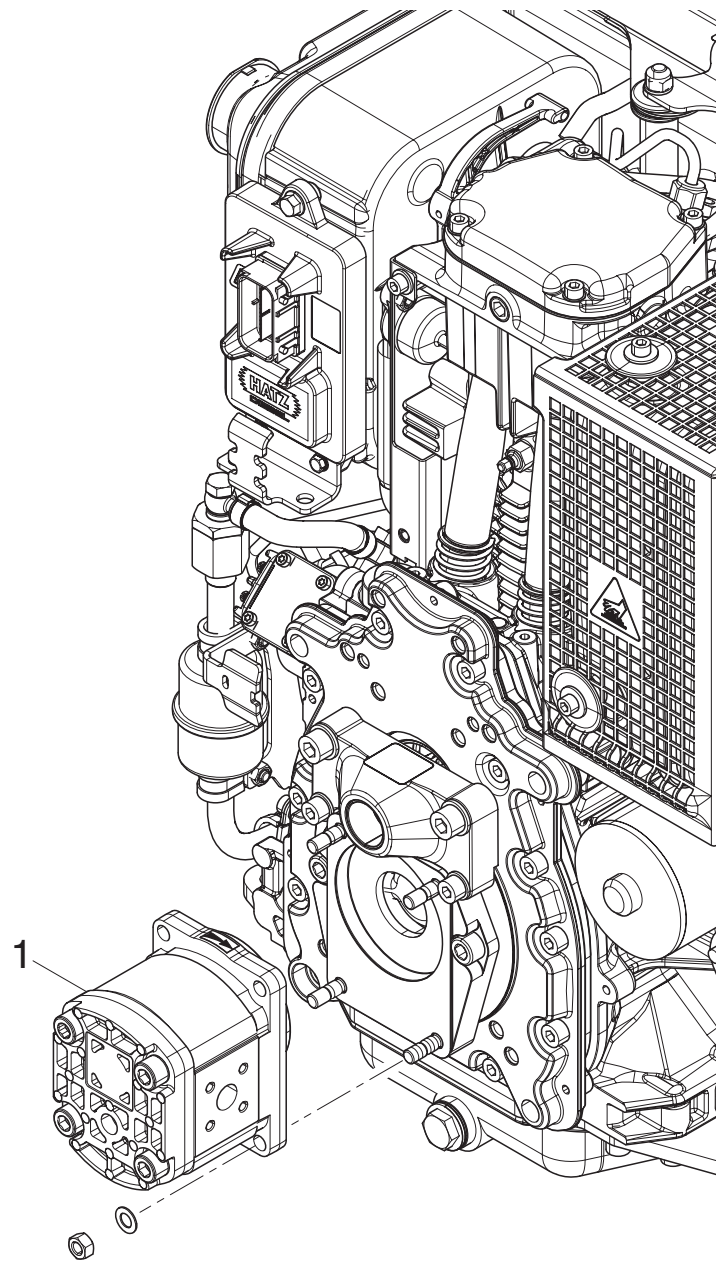


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 400 130 10	1		

0000 022 890 00

Hydr.Pump 12cm³/U Hatz 9.5gpm
Hydr. Zahnradpumpe Hatz 12cm³/U
Pompe Hydraul. 12cm³/U Hatz
Bomba Hidraulica 12cm³/U Hatz
Pompa ldr.12cm³/U Hatz

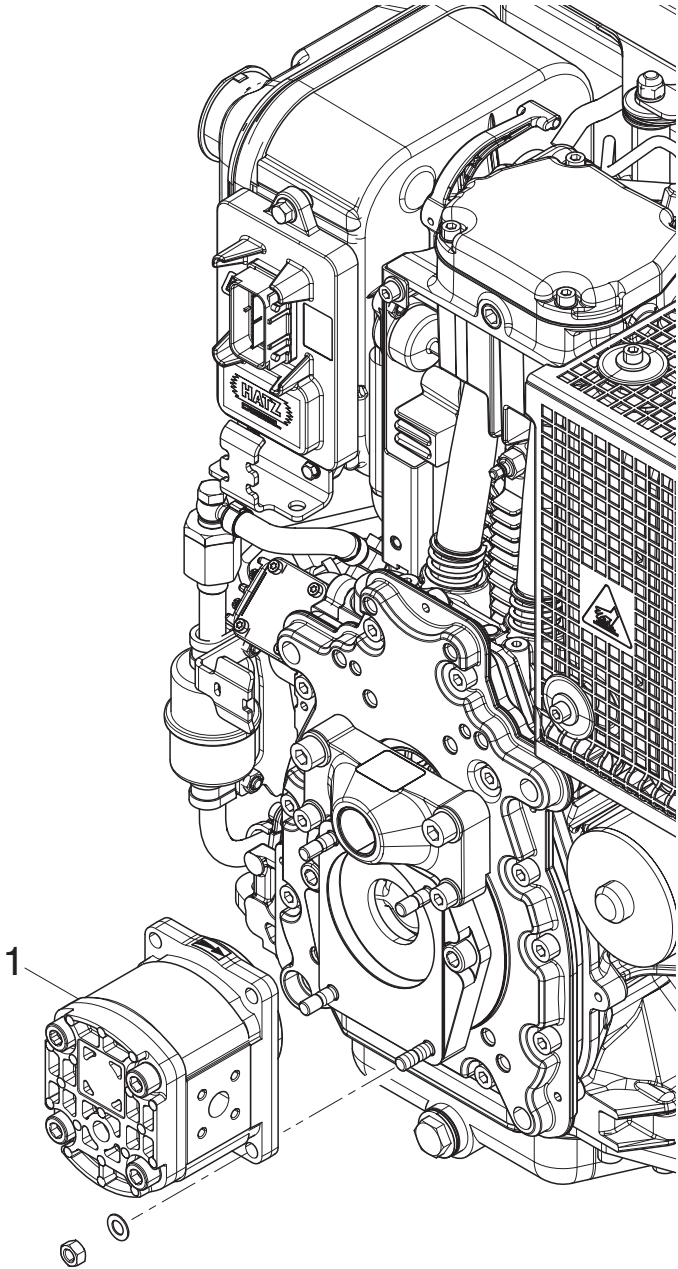


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1090E				
1	0000 400 132 10	1		

0000 022 902 00

Screw set for hydraulic pump
Schraubensatz für Hydraulikpumpe
Jeu De Vis P. Pompe Hyd.
Juego De Esparrago P. Bomba Hidr.
Kit Viti Pompa Idr.

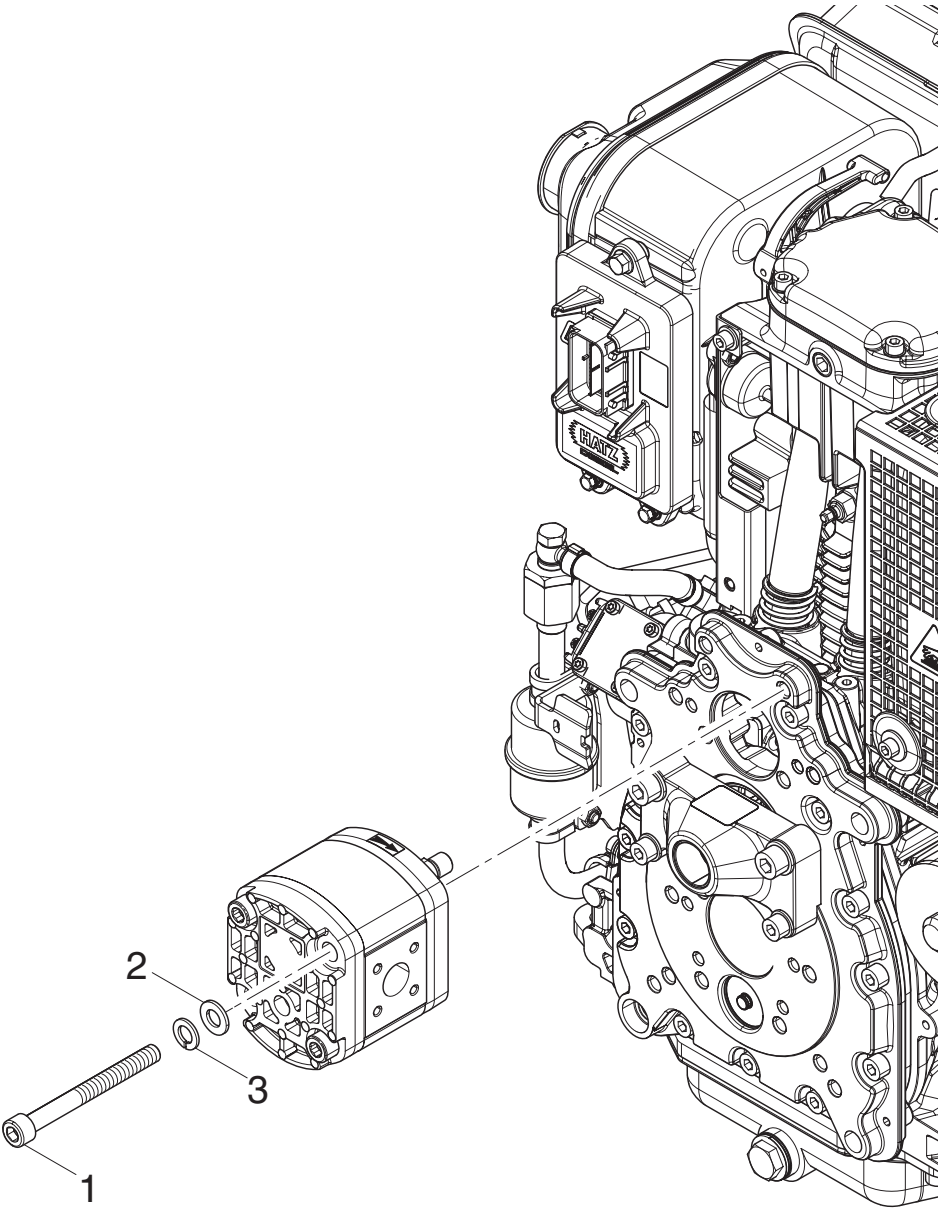


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 189 01	2		M10 X100 DIN 912-10.9
2	0000 501 459 00	2		10,5 DIN 125-St A3B
3	0000 500 029 00	2		A 10 DIN 128

0000 022 894 00

Hydr. Pump 8,25cm³/U Hatz
Hydr. Zahnradpumpe Hatz 8,25cm³/U
Pompe Hydraul. 8,25cm³/U Hatz
Bomba Hidraul. 8,25cm³/U Hatz
Hydr. Pump 8,25cm³/U Hatz

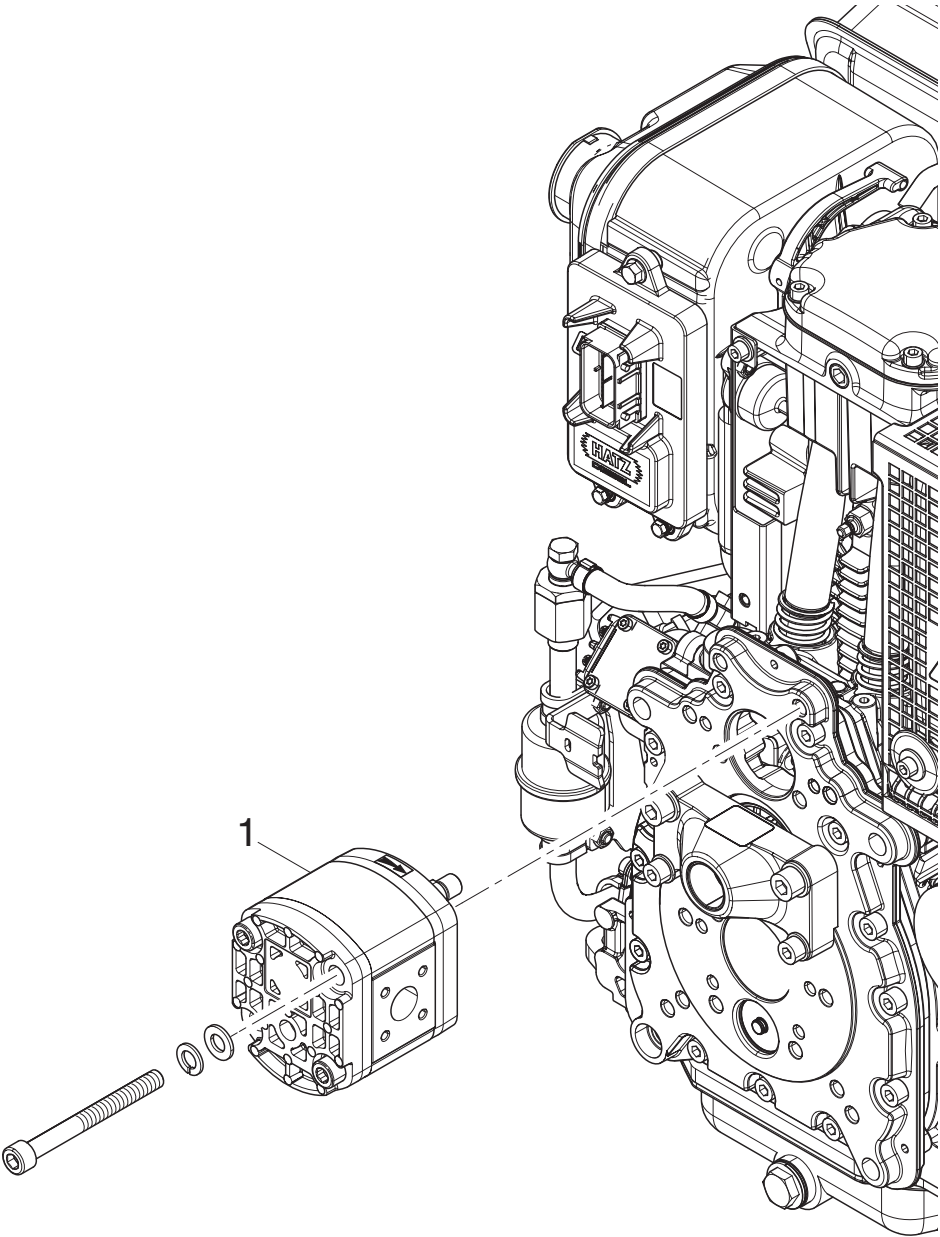


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 503 854 10	1		

0000 022 118 01

Hydr. Pump Hatz 6,45cm³/U
Hydr. Zahnradpumpe Hatz 6,45cm³/U
Pompe Hydraul. Hatz 6,45cm³/U
Bomba Hidraul. Hatz 6,45cm³/U
Pompa Idr. 6,45cm³/U

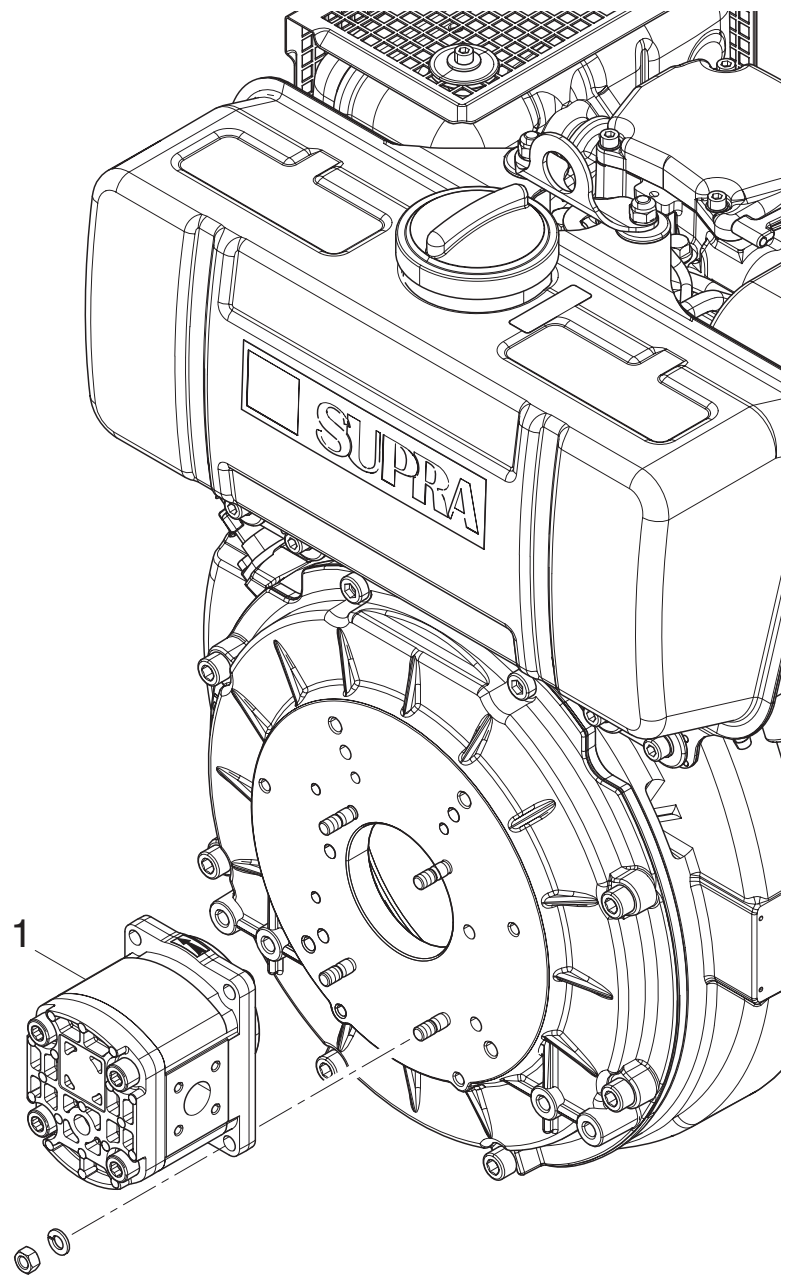


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 061 10	1		

0000 022 124 01

Hydr. Pump 8,25cm³/U Hatz
Hydr. Zahnradpumpe Hatz 8,25cm³/U
Pompe Hydraul. 8,25cm³/U Hatz
Bomba Hidraul. 8,25cm³/U Hatz
Pompa Idr. 8,25cm³/U Hatz

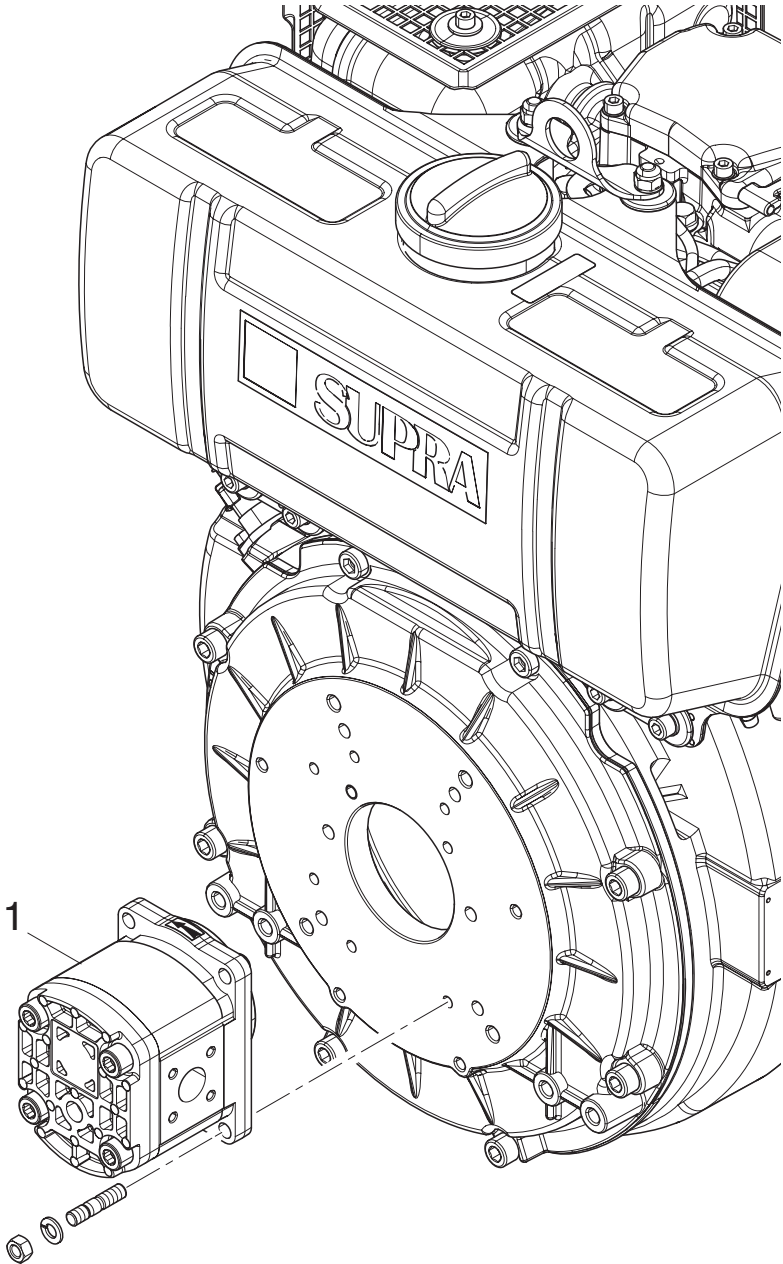


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1090E		
1	0000 506 003 10	1		

0000 022 896 00

Hydr.Pump 12cm³/U Hatz
Hydr. Zahnradpumpe Hatz 12cm³/U
Pompe Hydraul. 12cm³/U Hatz
Bomba Hidraulica 12cm³/U Hatz
Pompa Idraulica 12cm³/U Hatz

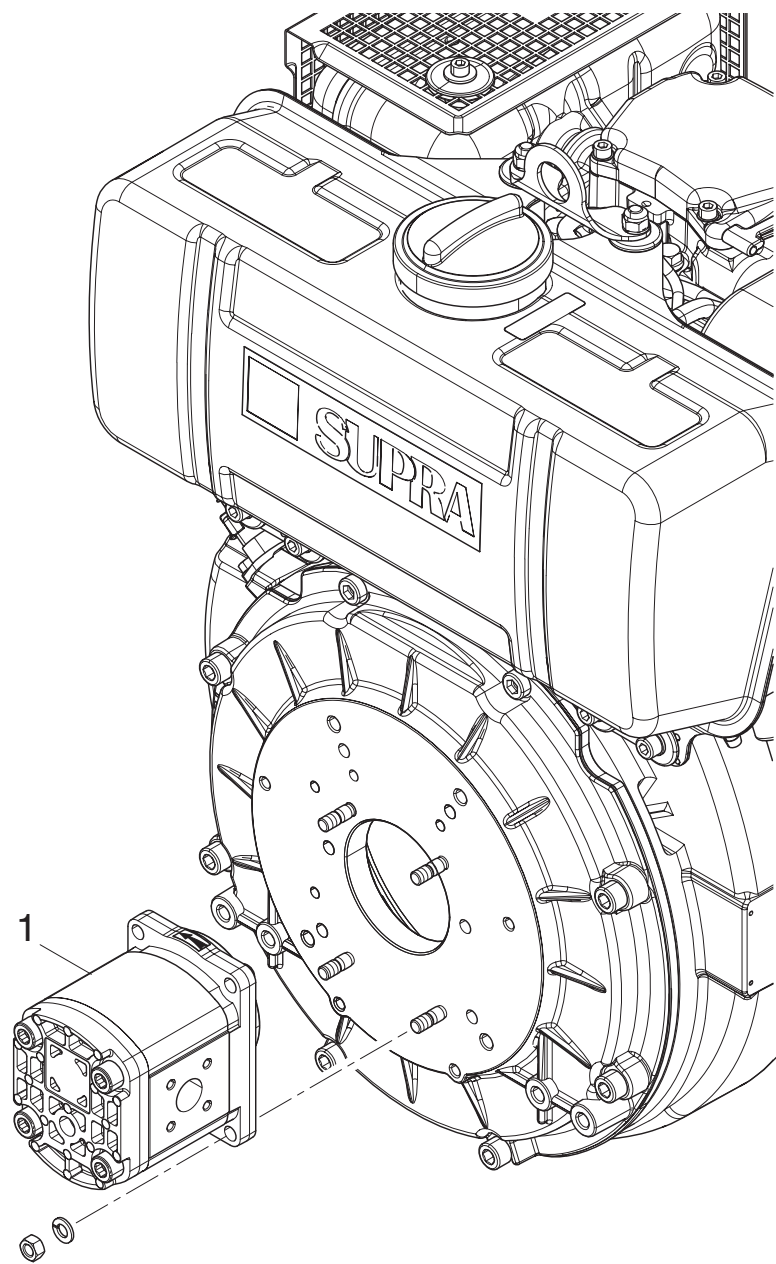


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 101 00	1		

0000 022 899 00

Hydr. Pump 19,12cm³/U Hatz
Hydr. Zahnradpumpe Hatz 19,12cm³/U
Pompe Hydraul. 19,12cm³/U Hatz
Bomba Hidraul. 19,12cm³/U Hatz
Pompa ldr. 19,12cm³/U Hatz

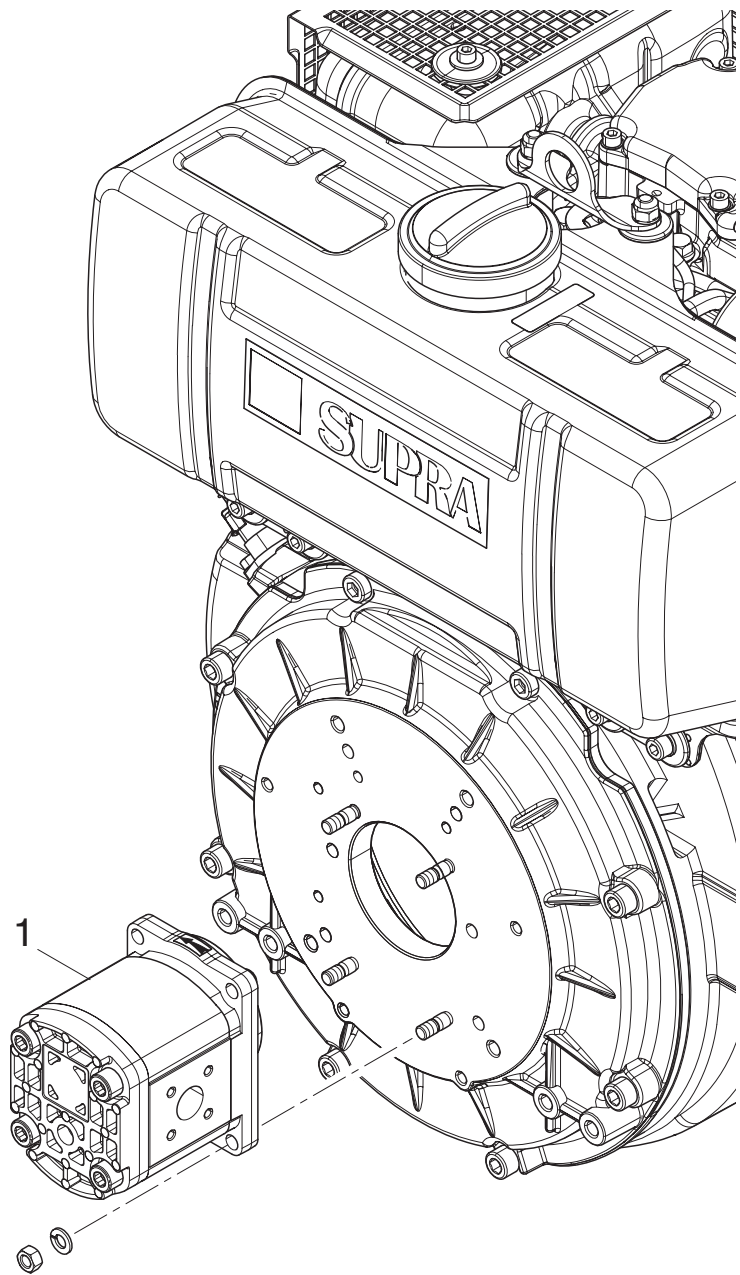


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 104 00	1		

0000 022 127 01

Hydr. Pump 22,87cm³/U Hatz
Hydr. Zahnradpumpe Hatz 22,87cm³/U
Pompe Hydraul. 22,87cm³/U Hatz
Bomba Hidraul. 22,87cm³/U Hatz
Pompa Idr. 22,87cm³/U Hatz

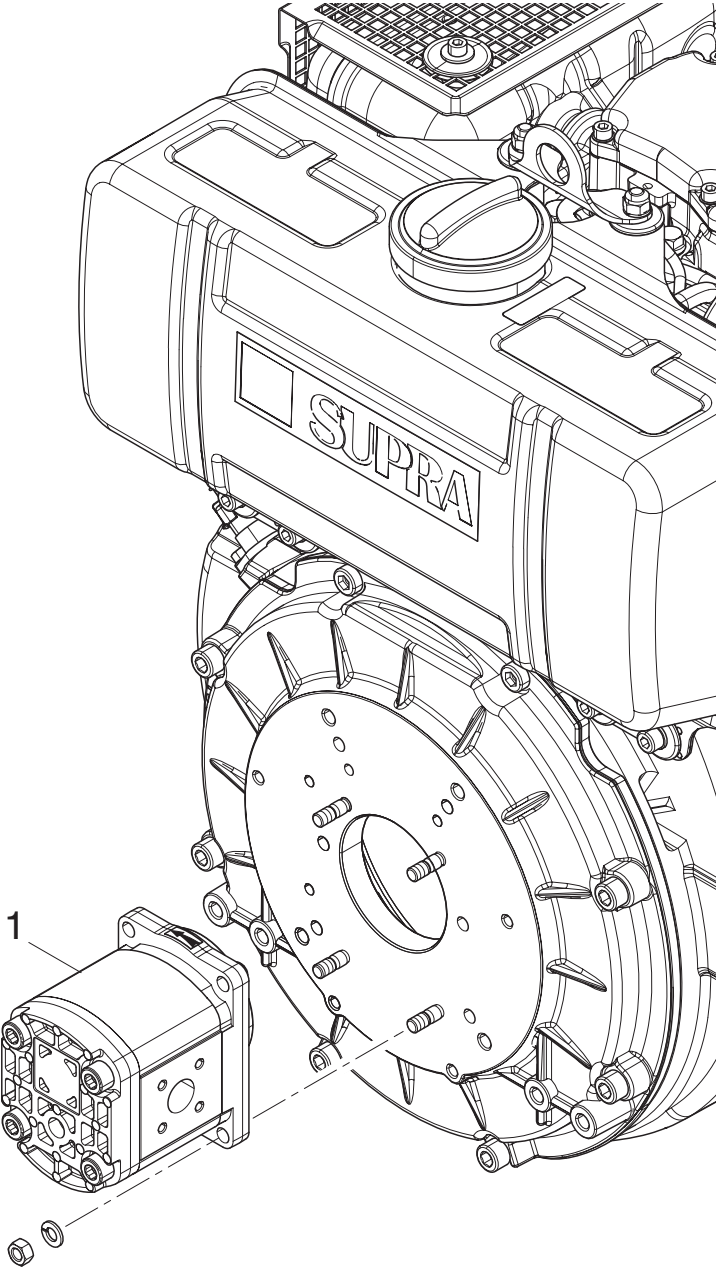


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 006 10	1		

0000 023 950 00

Hydr.Pump 8,25/8,25cm³/U Hatz
Hydr. Zahnradp. Hatz 8,25/8,25cm³/U
Pompe Hydraul. 8,25/8,25cm³/U Hatz
Bomba Hidraulica 8,25/8,25cm³/U Hatz
Hydr.Pump 8,25/8,25cm³/U Hatz

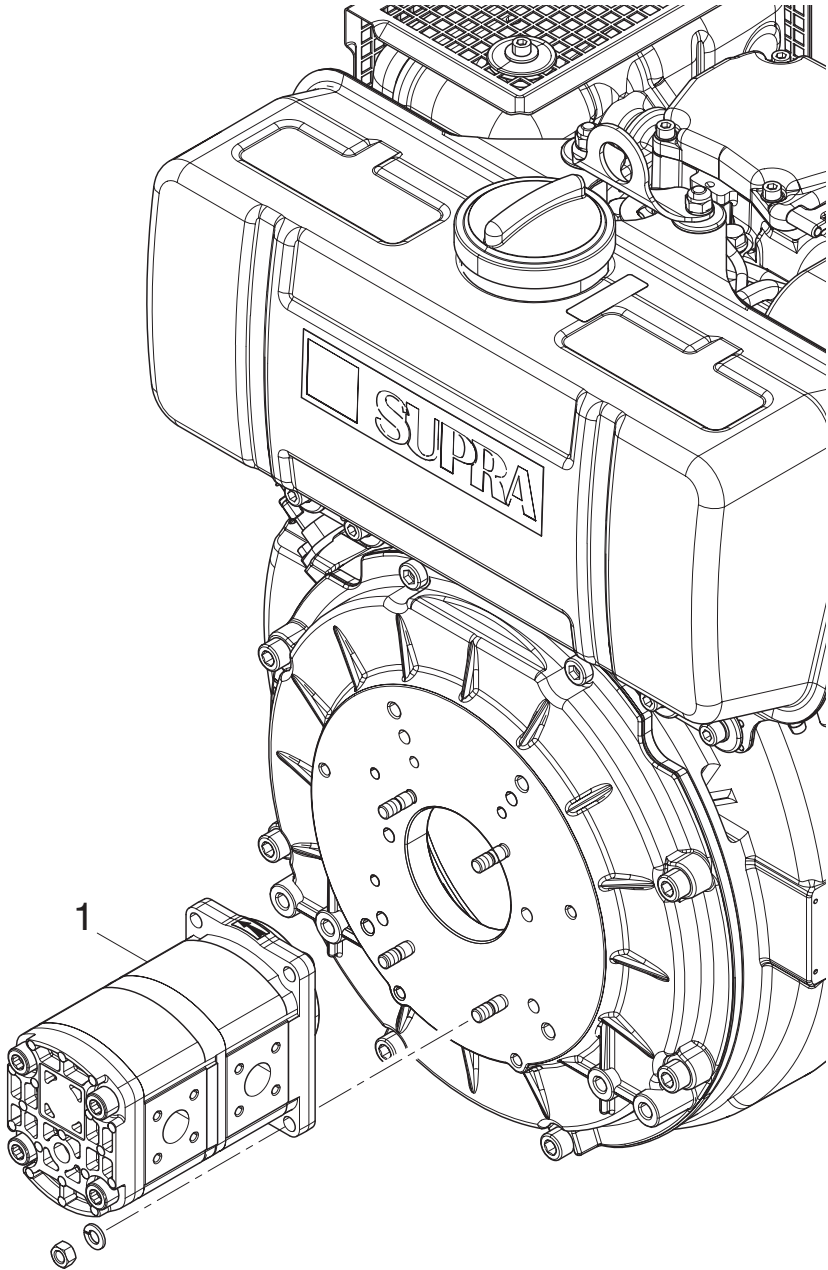


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1D90E				
1	0000 506 537 00	1		

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

IMT-No.

1D90E (Serial No. 185 xx)