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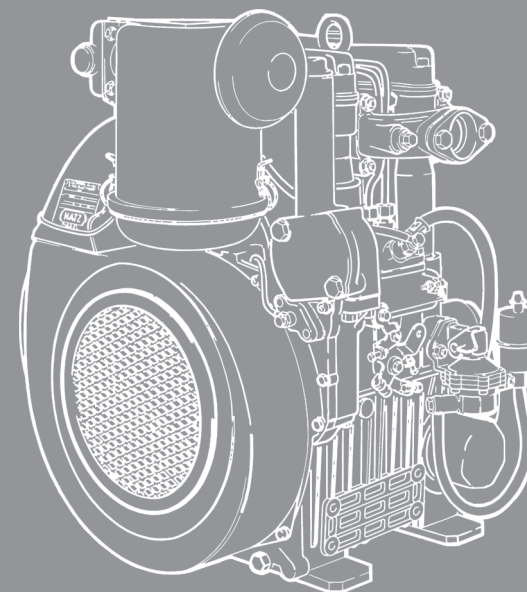
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CREATING POWER SOLUTIONS.



2G40

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

**Hatz Service**

0000 434 300 22  
34 - 03.2019 - 1.5

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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 <sup>-1</sup>  |

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](http://www.hatz-diesel.com)

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

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

**2 G 40.23 EPA TIER IV final IV □ (091 23 .. .. .)**

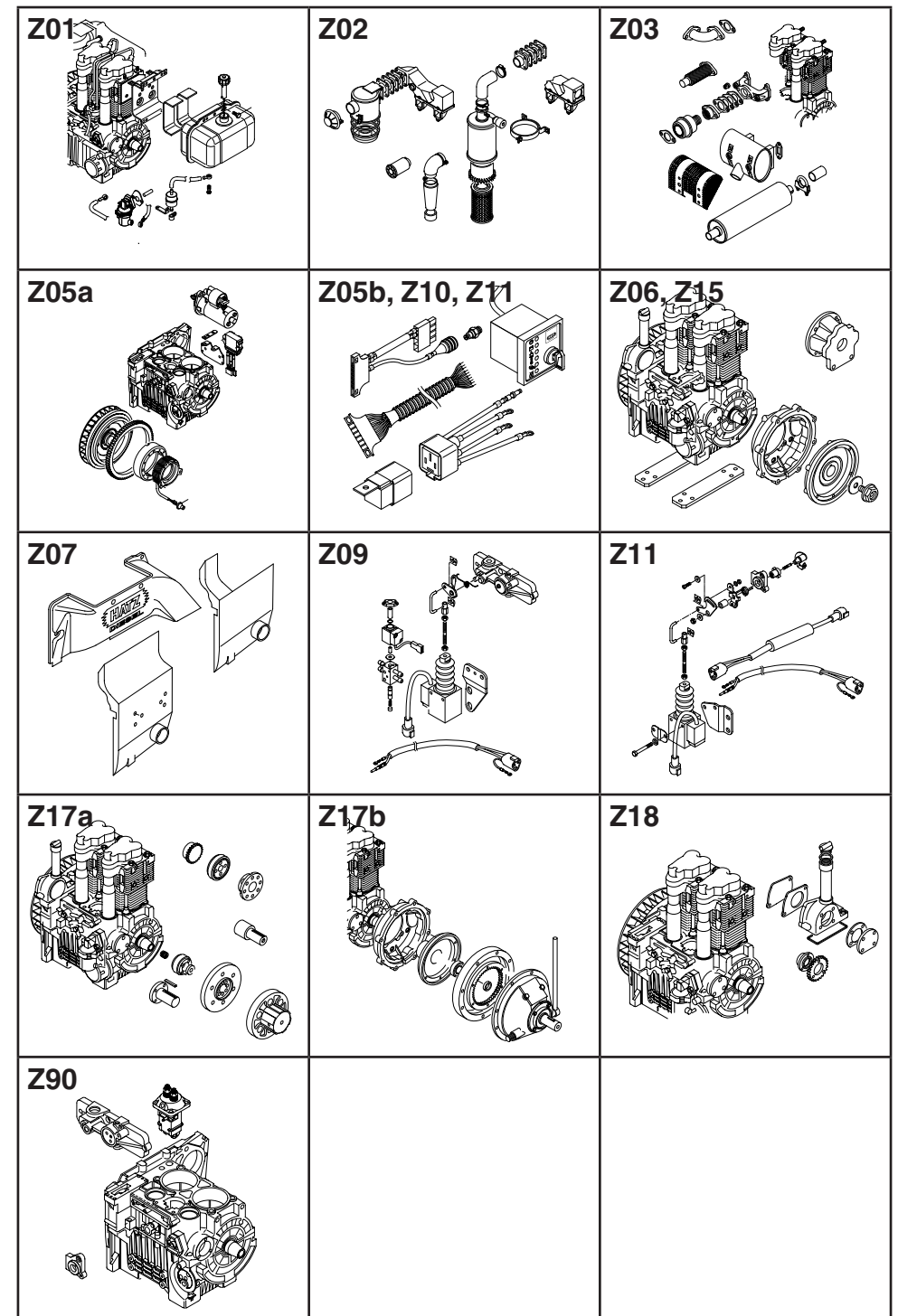
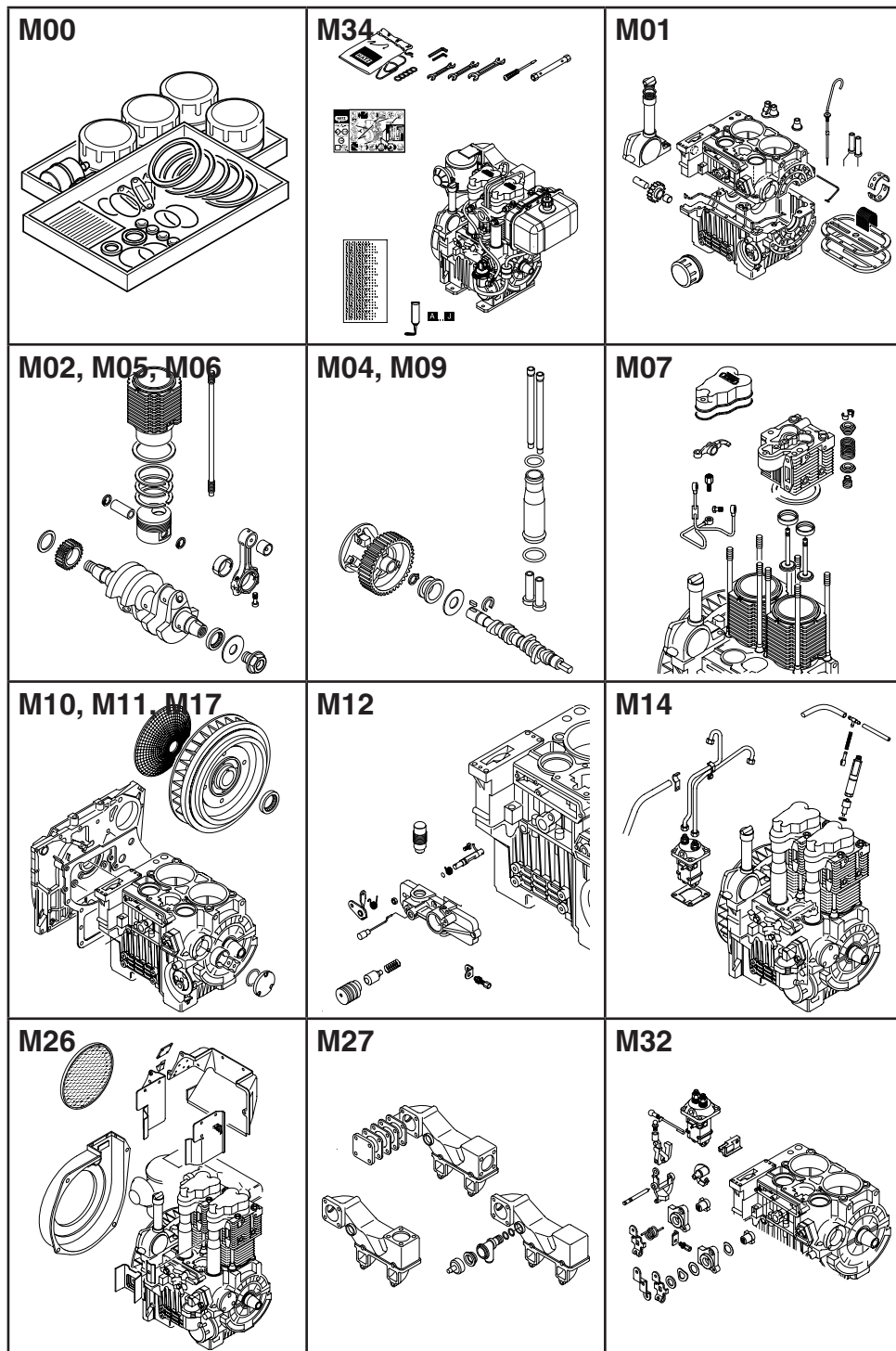
Example: / Beispiel: / Exemple: / Ejemplo: / Esempio: **091 23 17 123456**

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

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

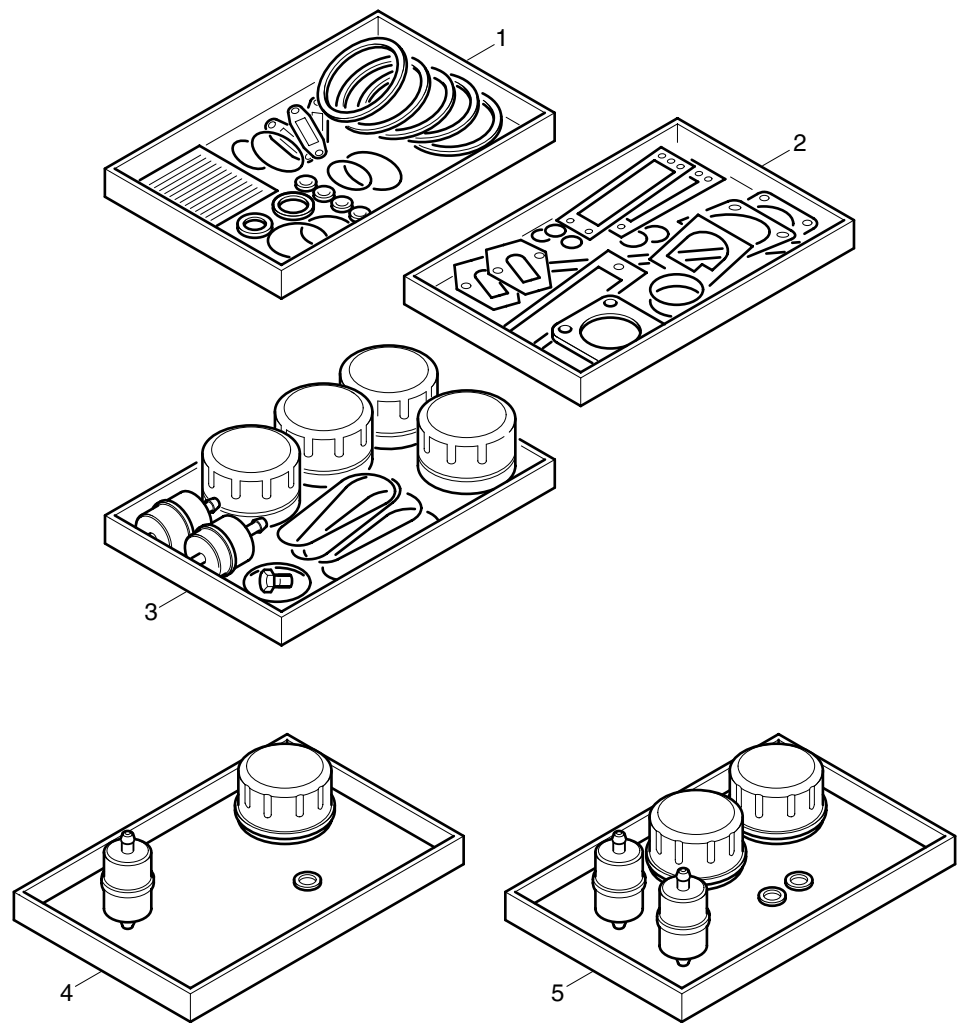
Lassen Sie Service-Arbeiten immer von qualifiziertem Fachpersonal durchführen. Wir empfehlen Ihnen hierfür eine von über 500 **HATZ-Servicestationen**. Dort wird Ihr Motor von laufend geschultem Personal, mit **Original HATZ-Ersatzteilen** und mit **HATZ-Werkzeug** instandgesetzt. Der Einbau von ungeeigneten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

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



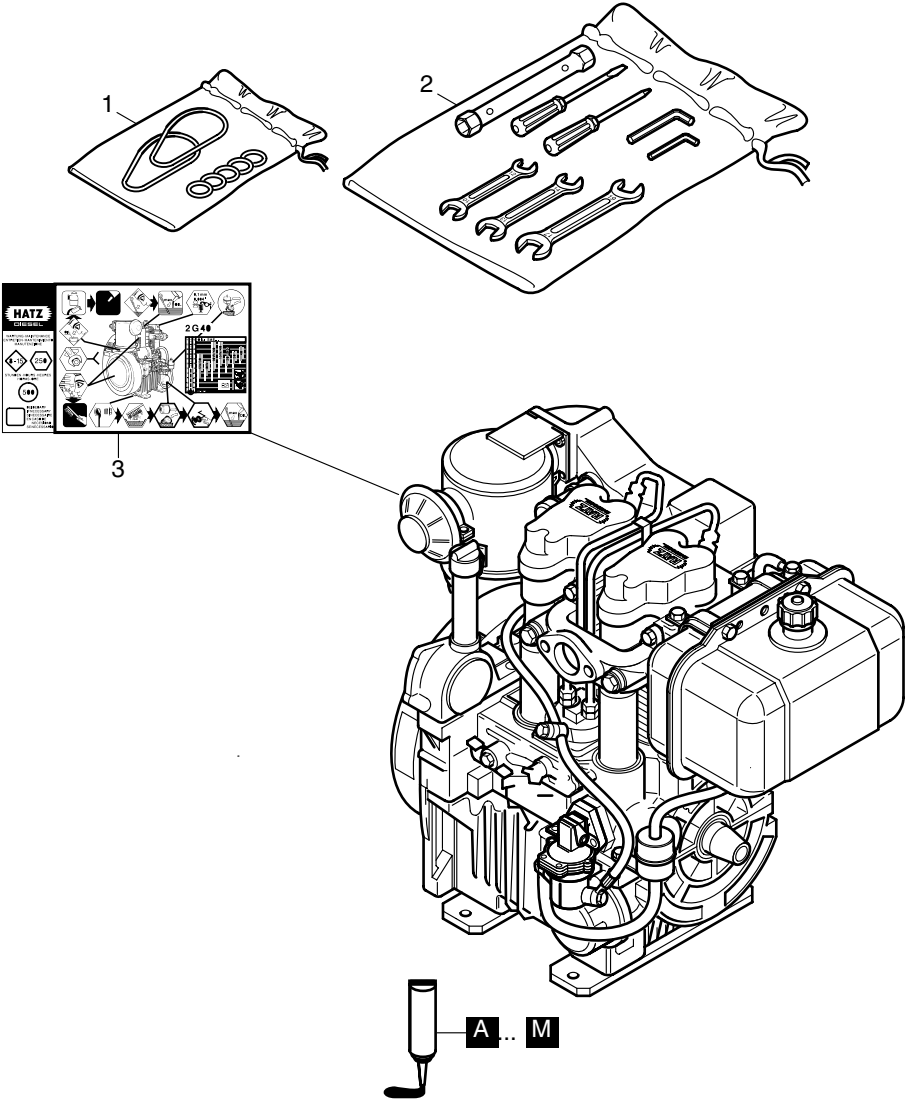


Spare parts kits  
Ersatzteilsätze  
Jeux de pièces de rechange  
Juegos de piezas de recambios  
Serie guarnizioni



| Fig.-<br>No. | HATZ<br>Ident-No.                                                                                                                                                                                                               | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen                                                                                                                                                                                                    |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2G40         |                                                                                                                                                                                                                                 |               |            |                                                                                                                                                                                                                         |
| W:           | Im Wartungssatz enthalten.<br>Incl. in maintenance kit.<br>Contenu dans le jeu d'entretien.<br>Incluido en el juego de mantenimiento.<br>Contenuto nella serie manutenzione.                                                    |               | D:         | Im Dichtungssatz Kurbelgeh.<br>Incl. in gasket set crankcase.<br>Contenu dans le jeu de joints<br>carter moteur.<br>Incluido en el juego de juntas<br>caja cigueñal.<br>Contenuto nella serie guarnizioni<br>basamento. |
| d:           | Im Dichtungssatz f. 1 Zyl.-Kopf enthalten.<br>Incl. in gasket set f. 1 cyl. head.<br>Contenu dans le jeu de joint p. 1 culasse.<br>Incluido en el juego de juntas p. 1 culata.<br>Contenuto nella serie guarnizioni p. 1 testa. |               |            | 1: Anzahl pro Satz - Qty. per kit<br>Quantite p. jeu - Cantidad p. juego<br>Quantità per serie                                                                                                                          |
| 1            | 0000 012 477 03                                                                                                                                                                                                                 | 2             |            | Dichtungssatz für 1 Zylinderkopf<br>Gasket set for 1 cyl. head<br>Jeu de joint p. 1 culasse<br>Juego de juntas para 1 culata<br>Serie guarnizioni per 1 testa                                                           |
| 2            | 0000 012 280 03                                                                                                                                                                                                                 | 1             |            | Dichtungssatz für Kurbelgehäuse<br>Gasket set for crankcase<br>Jeu de joints p. carter moteur<br>Juego de juntas para caja<br>cigueñal<br>Serie guarnizioni basamento                                                   |
| 3            | 0000 012 282 02                                                                                                                                                                                                                 | 1             |            | Wartungssatz für 1000 h<br>1000 hours maintenance kit<br>Kit d'entretien 1000 heures -<br>Juego de piezas para servicio<br>1000 horas<br>Kit di manutenzione a 1000 ore                                                 |
| 4            | 0000 022 664 00                                                                                                                                                                                                                 | 1             |            | Filterprogramm<br>Filter program<br>Progr. de filtr.                                                                                                                                                                    |
| 5            | 0000 022 686 00                                                                                                                                                                                                                 | 1             |            | Progr. de filtros<br>Programma di filtro                                                                                                                                                                                |

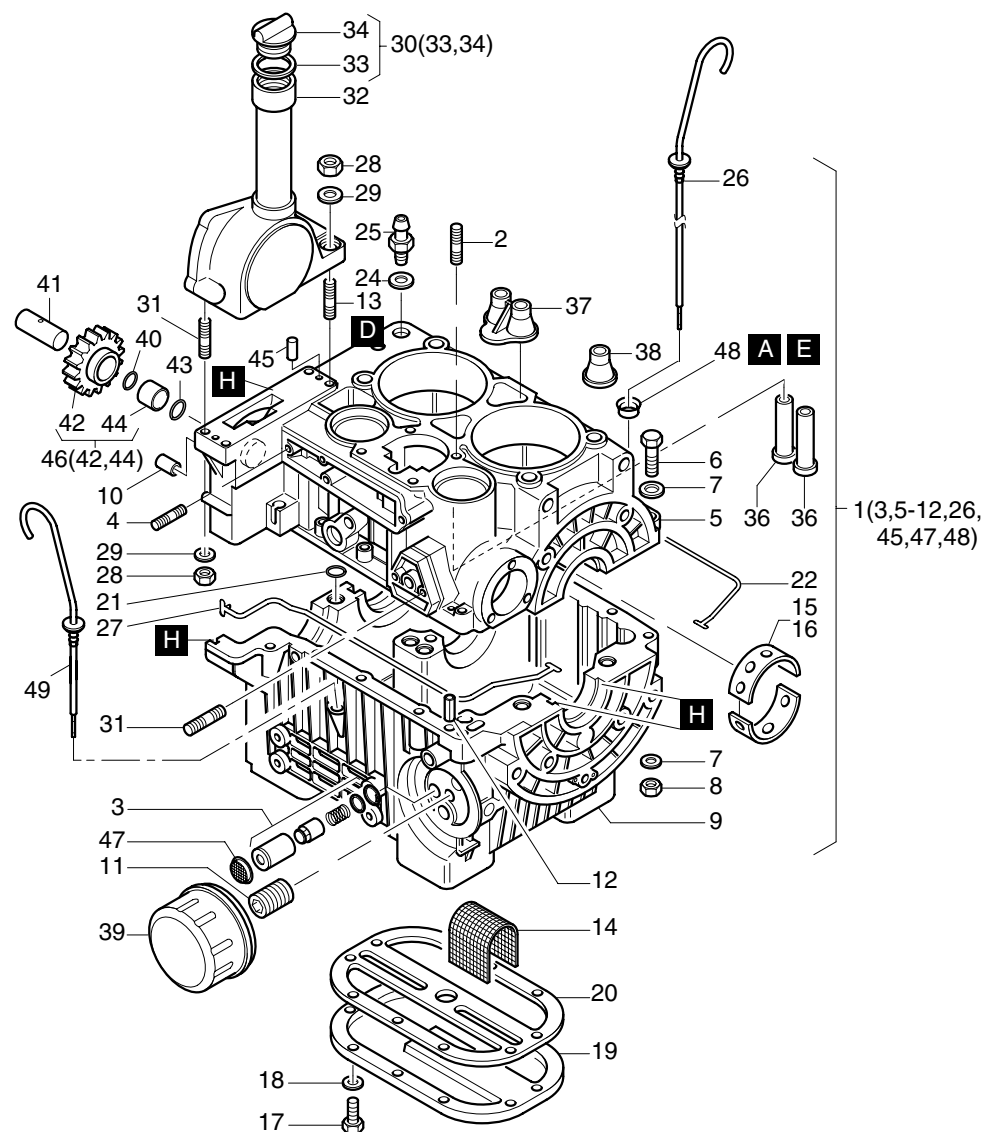
Accessories  
Zubehör  
Accessoires  
Accessorios  
Kit accessori



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|-------------------|---------------|------------|-------------------------------|
| 2G40         |                   |               |            |                               |
| 1            | 0000 012 310 02   | 1             |            | Zubehörsatz - Accessoires kit |
| 2            | 0000 009 945 00   | 1             |            |                               |
| 3            | 0000 040 096 02   | 1             |            |                               |

| Sealing- and bonding adhesives<br>Dicht- und Klebstoffe<br>Etanchéifiant et Colle |                     |         | Materias para empaquetar y pegar<br>Adesivi e collanti                                 |
|-----------------------------------------------------------------------------------|---------------------|---------|----------------------------------------------------------------------------------------|
| A = 0000 502 230 01                                                               | Loctite Activator N | 500 ml  | as specified in the individual tables<br>siehe Hinweis auf den einzelnen<br>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   | suivant les remarques sur les<br>tableau correspondant                                 |
| E = 0000 502 234 00                                                               | Loctite 648         | 10 ml   |                                                                                        |
| F = 0000 502 238 00                                                               | Technicoll 8058     | 0,75 kg |                                                                                        |
| + 0000 502 239 00                                                                 | Technicoll 8367     | 0,75 kg | según las indicaciones de las<br>tablas correspondientes                               |
| G = 0000 502 565 01                                                               | Loctite IS 407      | 20 g    |                                                                                        |
| H = 0000 700 189 44                                                               | Silicon             | 310 ml  |                                                                                        |
| J = 0000 502 830 04                                                               | Hochtemp. Paste     | 100 ml  | seguire le indicazioni sul<br>quadro corrispondente                                    |
| K = 0000 503 426 01                                                               | Hochtemp. Fett      | 400 g   |                                                                                        |
| L = 0000 502 566 00                                                               | Silicon sealer      | 100 g   |                                                                                        |
| M = 0000 504 851 00                                                               | Schleifpaste        | 80 g    |                                                                                        |
| N = 0000 700 218 15                                                               | Loctite 5910        | 300 ml  |                                                                                        |

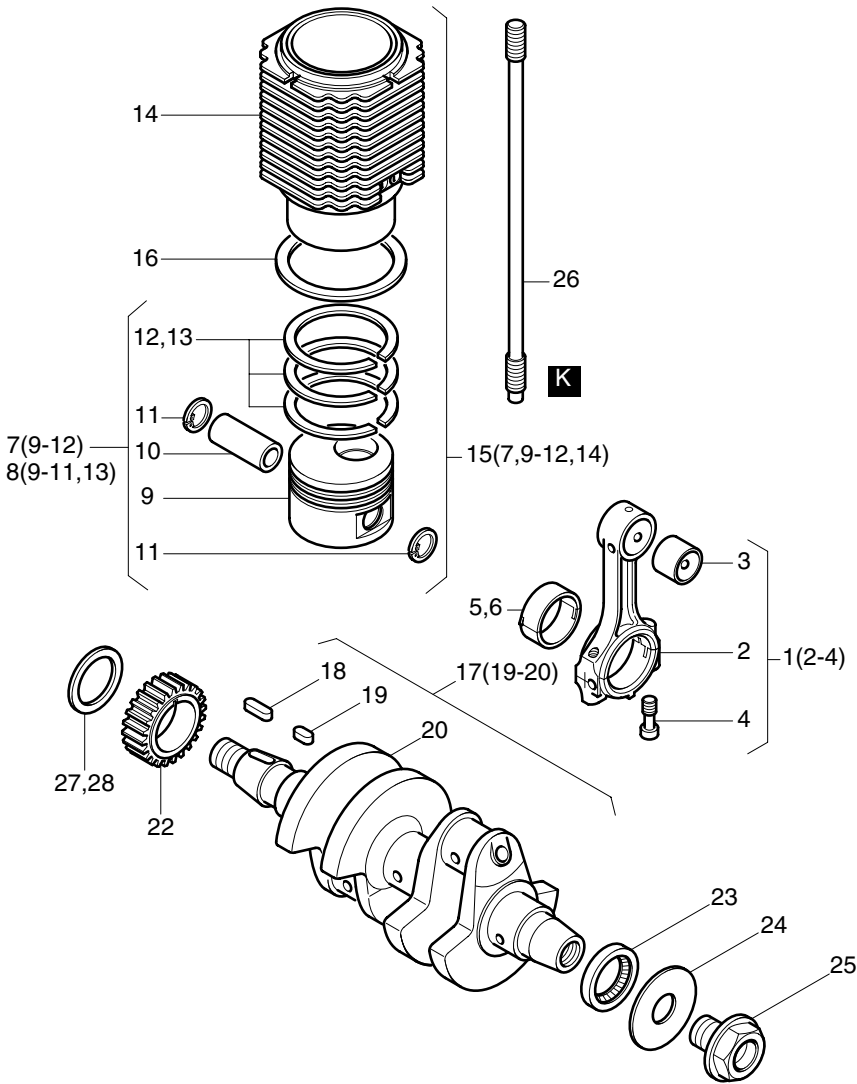
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|------------------------|---------------|------------|-----------------------------|
| <b>2G40</b>  |                        |               |            |                             |
| 1            | 0000 <b>012 274 20</b> | 1             |            |                             |
| 2            | 0000 <b>500 983 00</b> | 4             |            | M 8 x 20 DIN 835-8.8 A3C    |
| 3            | 0000 <b>012 218 04</b> | 1             |            |                             |
| 4            | 0000 <b>501 392 01</b> | 1             |            | M6 x 16 DIN 939-8.8 A3C     |
| 5            | -----                  | -             |            |                             |
| 6            | 0000 <b>501 370 00</b> | 10            |            | M6 x 50 DIN 931-8.8 A3C     |
| 7            | 0000 <b>501 445 00</b> | 21            |            | 6,4 DIN 125-St A3C          |
| 8            | 0000 <b>501 444 00</b> | 10            |            | M 6 DIN 934 - 8 A3C         |
| 9            | -----                  | -             |            |                             |
| 10           | 0000 <b>503 010 00</b> | 1             |            | 8 x 12                      |
| 11           | 0000 <b>503 027 00</b> | 1             |            |                             |
| 12           | 0000 <b>503 007 00</b> | 2             |            | 8 H7 X 14                   |
| 13           | 0000 <b>501 281 00</b> | 2             |            | M 8 x 30 DIN 835 - 10.9 A3C |
| 14           | 0000 <b>503 014 00</b> | 1             |            |                             |
| 15           | 0000 <b>022 513 00</b> | 3             |            |                             |
| 16           | 0000 <b>022 514 00</b> | 3             |            | -0,5                        |
| 17           | 0000 <b>501 463 00</b> | 10            |            | M 6 x 18 DIN 933-8.8 A3C    |
| 18           | 0000 <b>040 606 00</b> | 10            |            | 6,4 x 16 x 1,5 A3C          |
| 19           | 0000 <b>503 016 00</b> | 1             |            |                             |
| 20           | 0000 <b>503 015 01</b> | 1             | D1         |                             |
| 21           | 0000 <b>502 750 00</b> | 8             | D8         | 14 x 1,78                   |
| 22           | 0000 <b>503 012 00</b> | 1             | D1         |                             |
| 24           | 0000 <b>500 011 00</b> | 1             | D3         | A 12 x 15,5 DIN 7603-Cu     |
| 25           | 0000 <b>503 030 00</b> | 1             |            |                             |
| 26           | 0000 <b>503 029 11</b> | 1             |            |                             |
| 27           | 0000 <b>503 011 00</b> | 1             | D1         |                             |
| 28           | 0000 <b>503 353 00</b> | 4             |            | M 8 SW 12 A3C               |
| 29           | 0000 <b>037 888 00</b> | 4             |            | 8,4 x 15 x 2                |
| 30           | 0000 <b>016 131 00</b> | 1             | W1         |                             |
| 31           | 0000 <b>502 319 00</b> | 2             |            | M 8 x 25 DIN 835-8.8 A3C    |
| 32           | 0000 <b>039 082 02</b> | 1             |            |                             |
| 33           | 0000 <b>041 250 00</b> | 1             | D1         | 26 x 35 x3                  |
| 34           | -----                  | -             |            |                             |
| 36           | 0000 <b>503 020 00</b> | 4             |            |                             |
| 37           | 0000 <b>040 382 00</b> | 2             |            |                             |
| 38           | 0000 <b>040 391 00</b> | 4             |            |                             |
| 39           | 0000 <b>503 028 01</b> | 1             | W4         |                             |
| 40           | 0000 <b>503 362 00</b> | 1             | D1         | 10,78 x 2,62 „H“            |
| 41           | 0000 <b>503 036 10</b> | 1             |            | „H“                         |
| 42           | -----                  | -             |            |                             |
| 43           | 0000 <b>501 958 00</b> | 1             |            | 10 x 16 x 0,5 DIN 988 „H“   |
| 44           | 0000 <b>503 361 10</b> | 1             |            | „H“                         |
| 45           | 0000 <b>502 905 00</b> | 2             |            | 6 M6 X 14 DIN 7-9S20K       |
| 46           | 0000 <b>012 399 01</b> | 1             |            | „H“                         |
| 47           | 0000 <b>050 349 00</b> | 1             |            |                             |
| 48           | 0000 <b>041 310 00</b> | 1             |            |                             |
| 49           | 0000 <b>504 692 00</b> | 1             |            |                             |

M02, M05, M06

Crankshaft, piston, conrod, cylinder  
Kurbelwelle, Kolben, Pleuel, Zylinder  
Vilebrequin, piston, bielle, cylindre  
Cigüeñal, Embolo, biela, cilindro  
Albero a gomito , pistone, biella, cilindro



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------------|-----------------------------|
| 2G40         |                   |               |            |                             |
| 1            | 0000 012 622 10   | 2             |            |                             |
| 2            | -----             | -             |            |                             |
| 3            | 0000 037 853 00   | 2             |            |                             |
| 4            | 0000 041 005 00   | 4             |            |                             |
| 5            | 0000 022 517 00   | 2             |            |                             |
| 6            | 0000 022 518 00   | 2             |            | -0,5mm                      |
| 7            | 0000 012 402 20   | 2             |            |                             |
| 8            | 0000 012 483 20   | 2             |            | +0,5mm                      |
| 9            | -----             | -             |            |                             |
| 10           | 0000 503 590 10   | 2             |            | 26 x 13 x 74 DIN 73126 - B2 |
| 11           | 0000 503 591 10   | 4             |            | A26x1,2                     |
| 12           | 0000 012 403 01   | 2             |            |                             |
| 13           | 0000 012 487 01   | 2             |            | +0,5mm                      |
| 14           | -----             | -             |            |                             |
| 15           | 0000 012 471 20   | 2             |            |                             |
| 16           | 0000 039 580 00   | 2             |            | 0,3mm                       |
| 17           | 0000 012 627 02   | 1             |            |                             |
| 18           | 0000 500 112 00   | 1             |            | A 6 x 6 x 25 DIN 6885       |
| 19           | 0000 503 043 00   | 1             |            | A 6 x 6 x 10                |
| 20           | -----             | -             |            |                             |
| 22           | 0000 503 044 00   | 1             |            |                             |
| 23           | 0000 506 031 00   | 1             |            |                             |
| 24           | 0000 503 047 00   | 1             |            |                             |
| 25           | 0000 503 048 00   | 1             |            |                             |
| 26           | 0000 037 810 00   | 8             |            |                             |
| 27           | 0000 503 475 00   | 0... 1        |            | 38 x 58 x 0,2               |
| 28           | 0000 503 476 00   | 0... 1        |            | 38 x 58 x 0,3               |

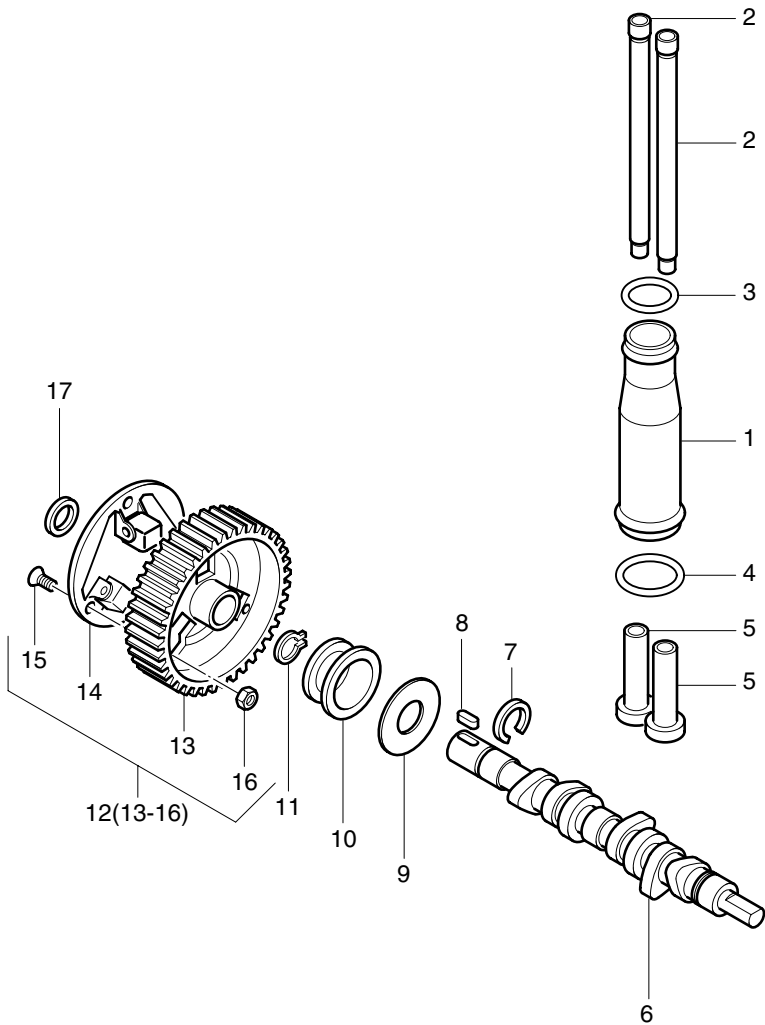
D1

38 x 52 x 7  
21 x 60 x 1,5  
M18 x 1,5



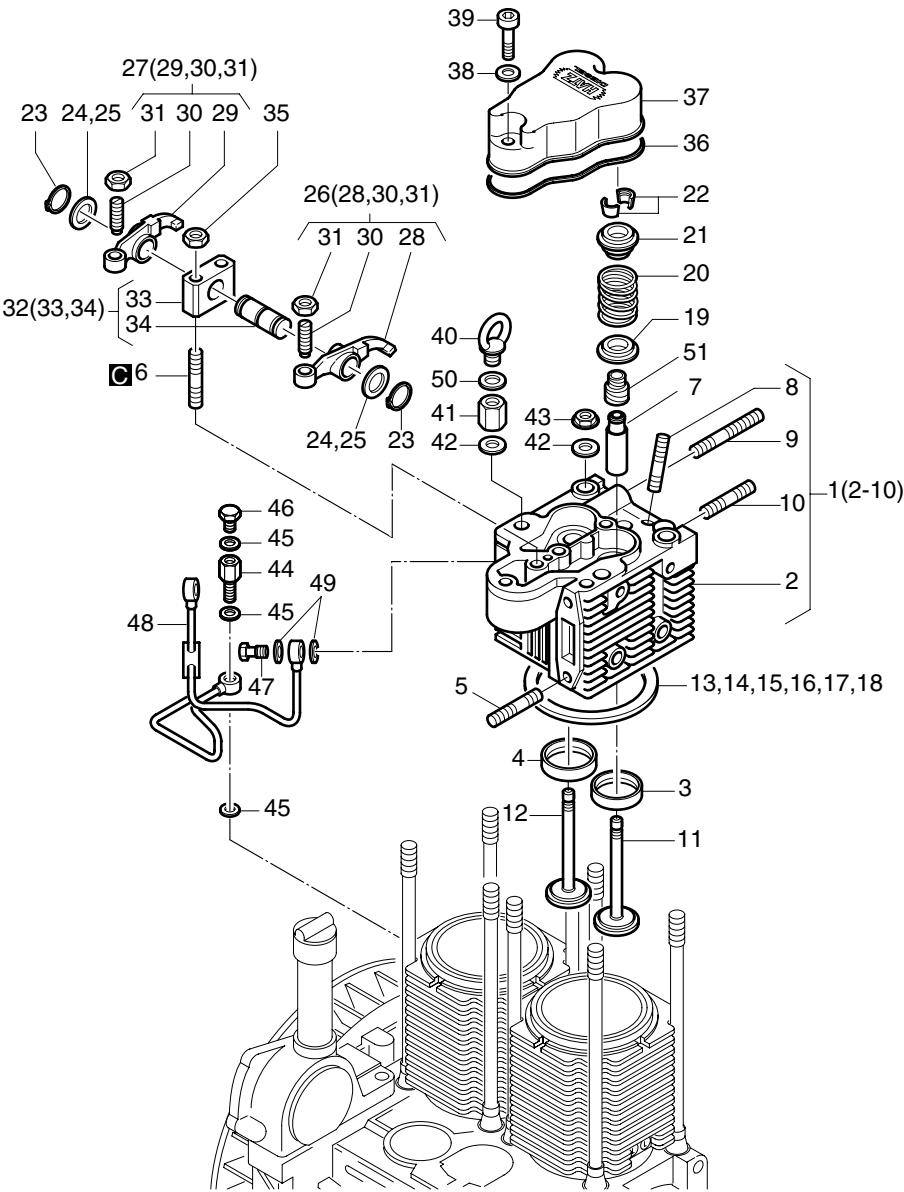
M04, M09

Camshaft, Governor, Pushrod  
Nockenwelle, Regler, Stoßstange  
Arbre à cames, regulateur, regulateur, tige de culbuteur  
Arbol de levas, Regulador, Varilla de balancin  
Albero a camme, asta bilancieri, volano



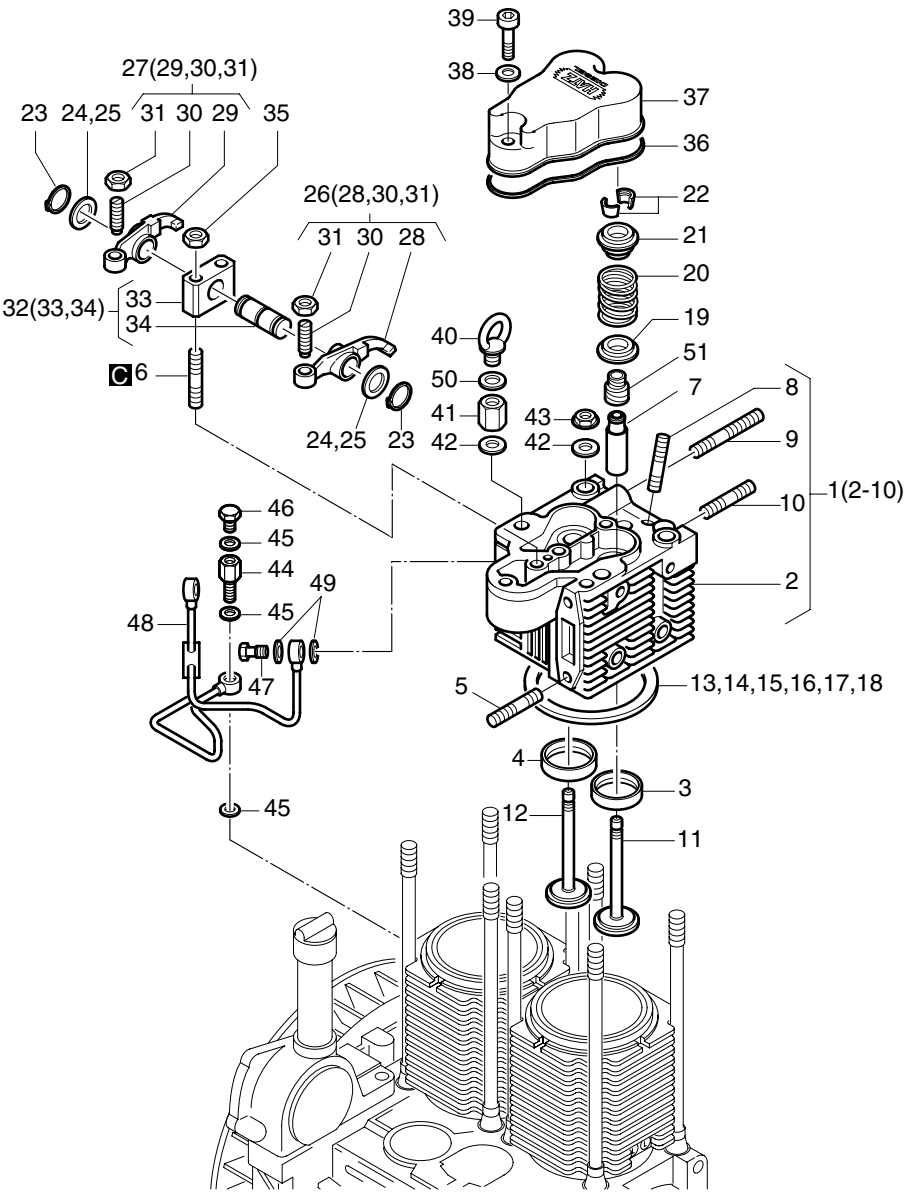
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|------------|----------------------|
| 2G40         |                   |               |            |                      |
| 1            | 0000 037 818 00   | 2             |            |                      |
| 2            | 0000 012 240 01   | 4             |            |                      |
| 3            | 0000 502 084 00   | 2             | d1         | 32 x 3               |
| 4            | 0000 502 901 00   | 2             | d1         | 38 x 3               |
| 5            | 0000 503 020 00   | 4             |            |                      |
| 6            | 0000 040 928 10   | 1             |            |                      |
| 7            | 0000 503 050 00   | 1             |            | 17                   |
| 8            | 0000 500 105 00   | 1             |            | A4 x 4 x 12 DIN 6885 |
| 9            | 0000 503 060 01   | 1             |            | 18 x 44 x 0,5        |
| 10           | 0000 503 057 00   | 1             |            |                      |
| 11           | 0000 500 200 00   | 1             |            | A18 x 1,2 DIN 471    |
| 12           | 0000 012 221 10   | 1             |            |                      |
| 13           | -----             | -             |            |                      |
| 14           | 0000 012 448 10   | 1             |            |                      |
| 15           | 0000 503 053 00   | 3             |            | M5 x 14              |
| 16           | 0000 503 054 00   | 3             |            | M 5                  |
| 17           | 0000 032 332 00   | 0... 1        |            | 19 / 0,20 mm         |
| 17           | 0000 032 333 00   | 0... 1        |            | 19 / 0,30 mm         |

Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen                  |
|--------------|-------------------|---------------|------------|---------------------------------------|
| 2G40         |                   |               |            |                                       |
| 1            | 0000 012 472 20   | 2             |            |                                       |
| 2            | -----             | -             |            |                                       |
| 3            | -----             | -             |            |                                       |
| 4            | -----             | -             |            |                                       |
| 5            | 0000 502 319 00   | 4             |            | M 8 x 25 DIN 835-8.8 A3C              |
| 6            | 0000 502 792 00   | 4             |            | M 8 x 40 DIN 835-8.8 A3C              |
| 7            | 0000 037 852 01   | 4             |            |                                       |
| 8            | 0000 500 384 00   | 2             |            | M 8 x 35 DIN 835-8.8 A3C              |
| 9            | 0000 500 651 00   | 2             |            | M 8 x 85 DIN 835-8.8 A3C              |
| 10           | 0000 501 281 00   | 2             |            | M 8 x 30 DIN 835 - 10.9 A3C           |
| 11           | 0000 042 229 01   | 2             |            |                                       |
| 12           | 0000 042 228 01   | 2             |            |                                       |
| 13           | 0000 041 108 00   | 0... 2        |            | 0,50mm                                |
| 13           | 0000 041 109 00   | 0... 2        |            | 0,55mm                                |
| 13           | 0000 037 928 00   | 0... 2        |            | 0,60mm                                |
| 13           | 0000 039 712 00   | 0... 2        |            | 0,65mm                                |
| 13           | 0000 037 929 00   | 0... 2        | d1         | 0,70mm                                |
| 13           | 0000 039 713 00   | 0... 2        |            | 0,75mm                                |
| 14           | 0000 037 930 00   | 0... 2        |            | 0,80mm                                |
| 14           | 0000 040 906 00   | 0... 2        |            | 0,85mm                                |
| 15           | 0000 037 931 00   | 0... 2        |            | 0,90mm                                |
| 15           | 0000 040 907 00   | 0... 2        |            | 0,95mm                                |
| 16           | 0000 037 932 00   | 0... 2        |            | 1,00mm                                |
| 17           | 0000 037 933 00   | 0... 2        |            | 1,10mm                                |
| 18           | 0000 037 934 00   | 0... 2        |            | 1,20mm                                |
| 19           | 0000 037 834 01   | 4             |            |                                       |
| 20           | 0000 042 633 00   | 4             |            |                                       |
| 21           | 0000 037 836 01   | 4             |            |                                       |
| 22           | 0000 022 522 00   | 4             |            |                                       |
| 23           | 0000 500 198 00   | 4             |            | A15 x 1 DIN 471                       |
| 24           | 0000 503 159 00   | 0... 4        |            | 15 x 21 x 0,2 DIN 988                 |
| 25           | 0000 503 160 00   | 0... 4        |            | 15 x 21 x 0,3 DIN 988                 |
| 26           | 0000 012 245 00   | 2             |            |                                       |
| 27           | 0000 012 244 00   | 2             |            |                                       |
| 28           | -----             | -             |            |                                       |
| 29           | -----             | -             |            |                                       |
| 30           | 0000 037 830 00   | 4             |            |                                       |
| 31           | 0000 031 731 00   | 4             | W2         | M 8X1                                 |
| 32           | 0000 012 246 00   | 2             |            |                                       |
| 33           | -----             | -             |            |                                       |
| 34           | -----             | -             |            |                                       |
| 35           | 0000 400 284 00   | 4             |            |                                       |
| 36           | 0000 502 902 00   | 2             | W4,d1      | VM 8 DIN 980-8 C3A<br>116 x 121 x 3,1 |
| 37           | 0000 037 838 00   | 2             |            |                                       |
| 38           | 0000 501 629 00   | 4             | W8,d2      | A 8 x 14 DIN 7603 - Cu                |
| 39           | 0000 501 775 00   | 4             |            | M 8 X 40 DIN 912-8.8 A3C              |
| 40           | 0000 503 155 00   | 1             |            | M10 DIN 580 A3C                       |
| 41           | 0000 037 845 01   | 5             |            | M 10                                  |
| 42           | 0000 037 914 00   | 8             |            |                                       |

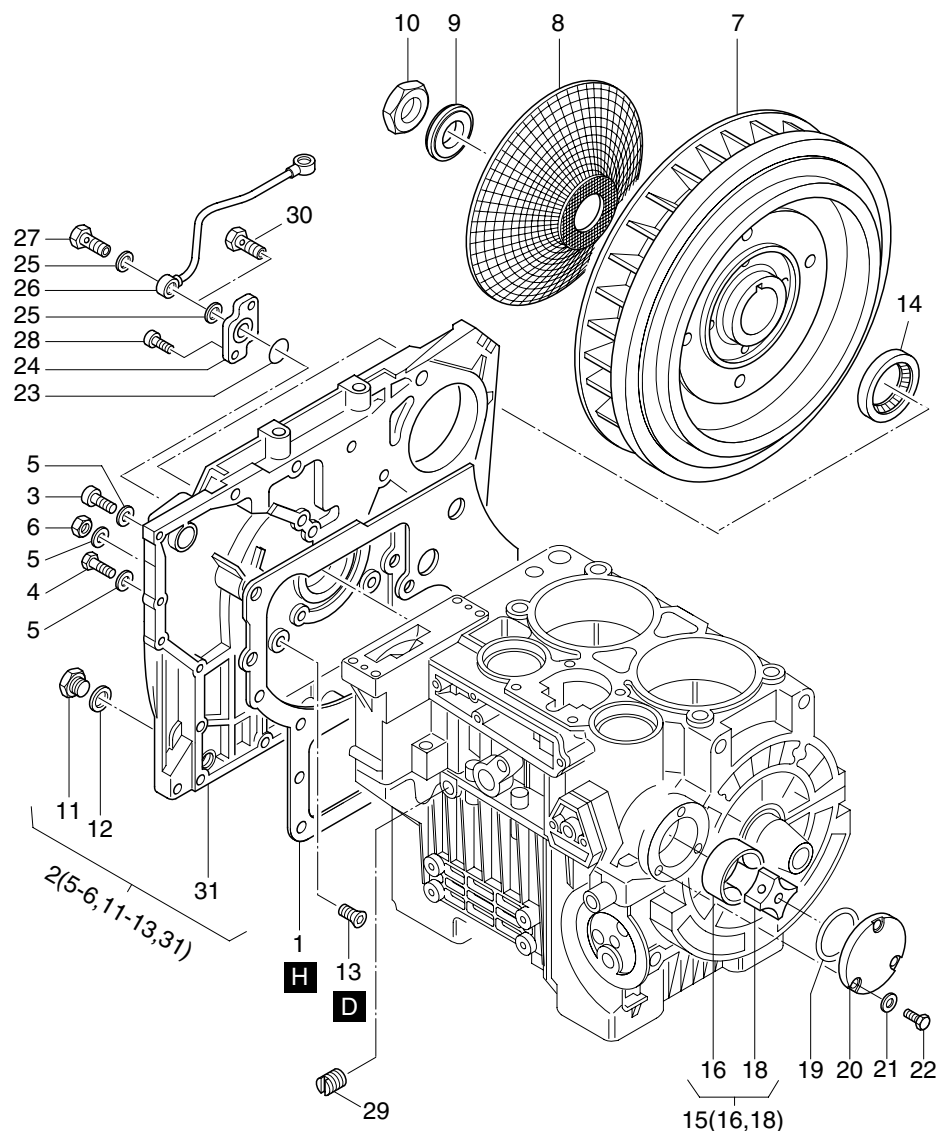
Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------------|-----------------------------|
| 2G40         |                   |               |            |                             |
| 43           | 0000 031 718 00   | 3             |            | M 10                        |
| 44           | 0000 503 140 01   | 1             |            | M8 x 1                      |
| 45           | 0000 500 009 00   | 4             | d2         | A 8 x 11,5 DIN 7603-Cu      |
| 46           | 0000 500 333 00   | 1             |            | M8 x 1 x 12 DIN 961-8.8 A3C |
| 47           | 0000 500 061 00   | 2             |            | 4-5-3 DIN 7643              |
| 48           | 0000 012 249 00   | 1             |            |                             |
| 49           | 0000 500 009 00   | 4             | d2         | A 8 x 11,5 DIN 7603-Cu      |
| 50           | 0000 037 873 00   | 0... 2        |            | 10,5 x 21 x 0,2             |
| 51           | 0000 506 349 00   | 4             | d2         |                             |

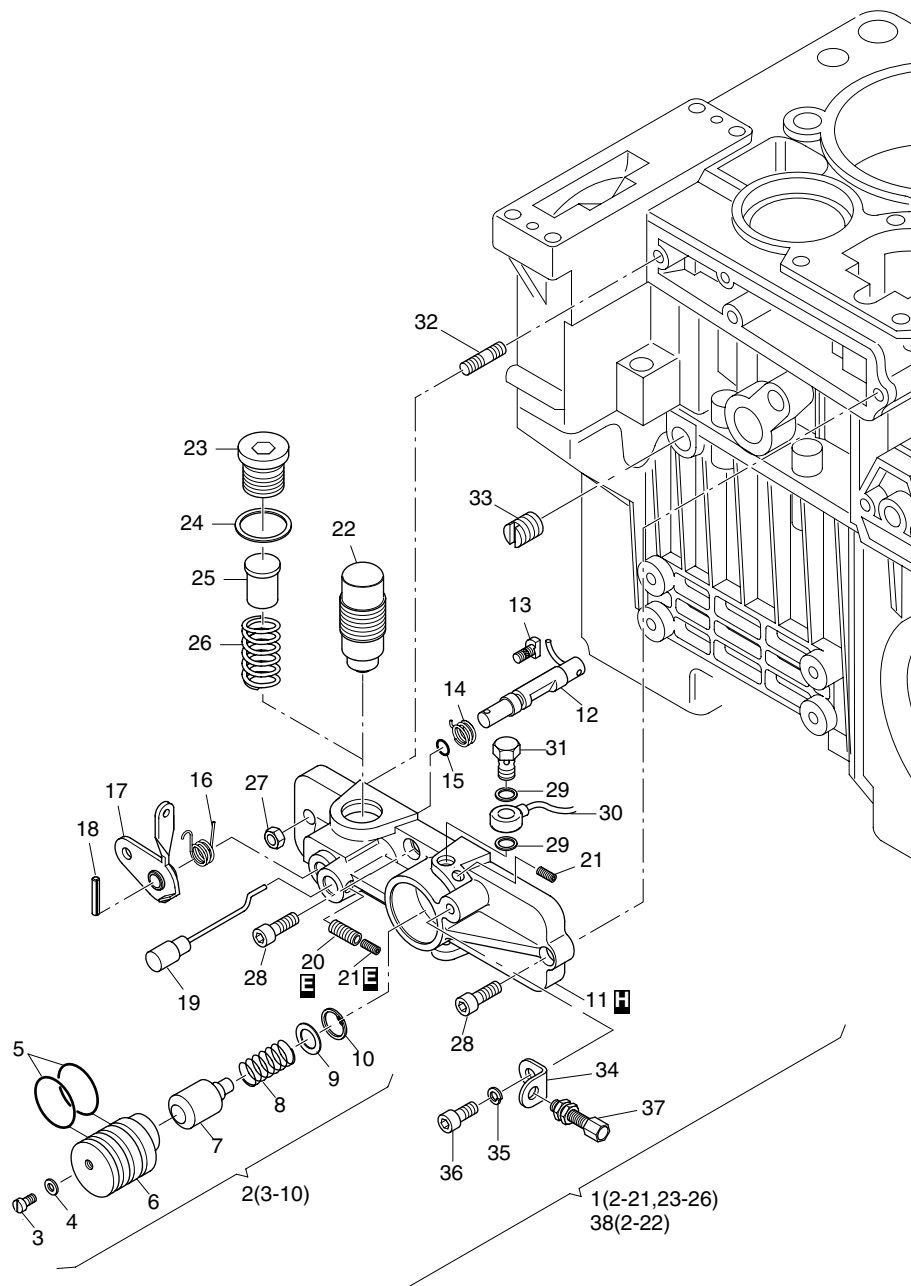
# M10, M11, M17

Oil pump, timing cover, flywheel  
 Ölpumpe, Steuerdeckel, Schwungrad  
 Pompe à huile, couvercle distribution, volant  
 Bomba de aceite, tapa de mando, volante  
 Pompa olio, coperchio distribuzione, volante



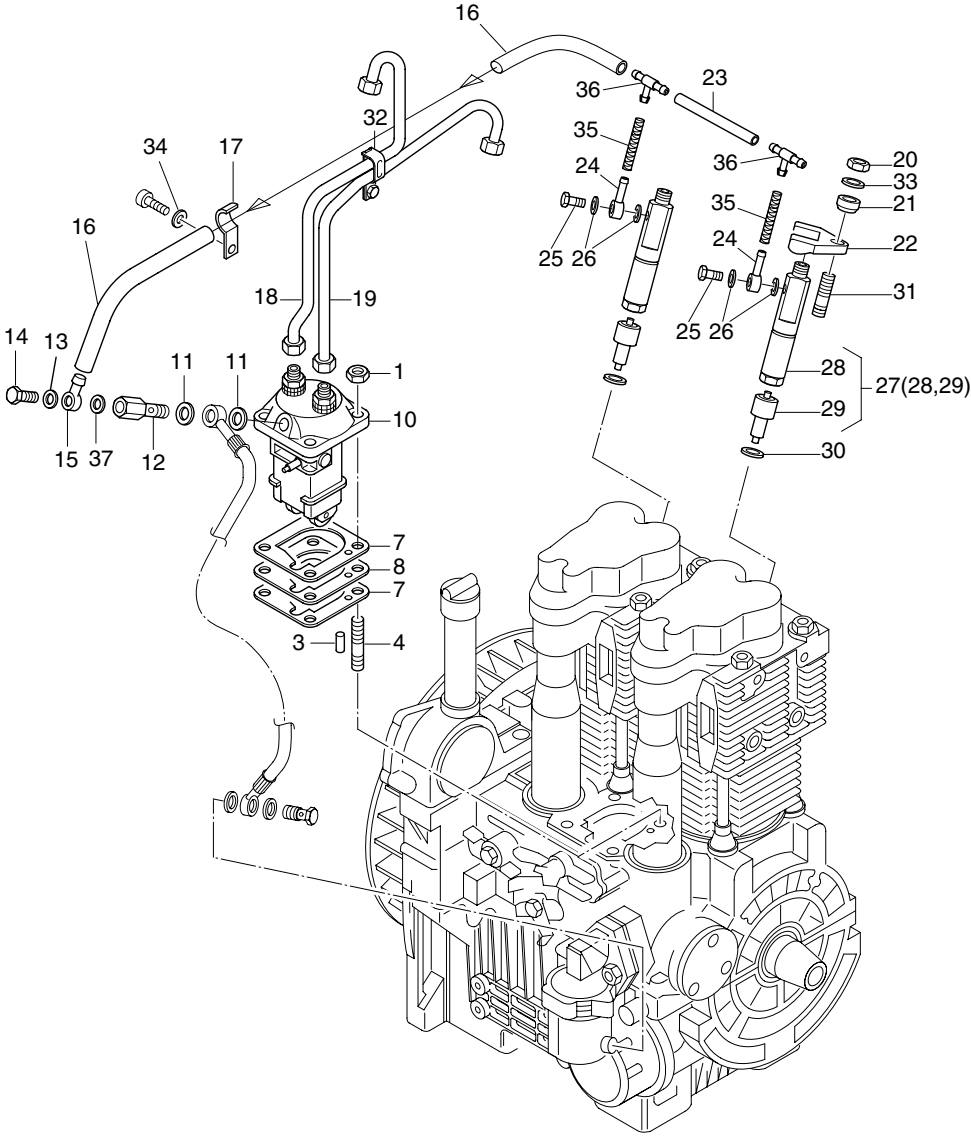
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------------|-----------------------------|
| 2G40         |                   |               |            |                             |
| 1            | 0000 505 850 00   | 1             | D1         | 0,3 mm                      |
| 2            | 0000 017 889 01   | 1             |            |                             |
| 3            | 0000 500 264 00   | 1             |            | M 6 x 35 DIN 933-8.8 A3C    |
| 4            | 0000 500 921 00   | 18            |            | M 6 x 25 DIN 933-8.8 A3C    |
| 5            | 0000 501 445 00   | 16            |            | 6,4 DIN 125-St A3C          |
| 6            | 0000 501 444 00   | 1             |            | M 6 DIN 934 - 8 A3C         |
| 7            | 0000 037 921 01   | 1             |            |                             |
| 8            | 0000 503 134 00   | 1             |            |                             |
| 9            | 0000 039 753 00   | 1             |            |                             |
| 10           | 0000 040 313 00   | 1             |            |                             |
| 11           | 0000 503 110 00   | 1             | W1         | M14 x 1,5                   |
| 12           | 0000 500 012 00   | 1             | W4,D1      | A 14 x 18 DIN 7603-Cu       |
| 13           | 0000 503 109 00   | 1             |            |                             |
| 14           | 0000 506 031 00   | 1             | D1         | 38 x 52 x 7                 |
| 15           | 0000 012 279 10   | 1             |            |                             |
| 16           | -----             | -             |            |                             |
| 18           | -----             | -             |            |                             |
| 19           | 0000 503 105 00   | 1             | D1         | 41 x 1,78                   |
| 20           | 0000 503 104 10   | 1             |            |                             |
| 21           | 0000 502 163 00   | 3             |            | 5,3 DIN 125-St A3C          |
| 22           | 0000 500 252 00   | 3             |            | M5 x 16 DIN 933-8.8 A3C     |
| 23           | 0000 503 365 00   | 1             |            | 15,88 x 2,62                |
| 24           | 0000 503 364 00   | 1             |            |                             |
| 25           | 0000 500 009 00   | 2             | D5         | A 8 x 11,5 DIN 7603-Cu      |
| 26           | 0000 503 363 00   | 1             |            | „H“ s. Grp A05a Pos. 15     |
| 27           | 0000 500 061 00   | 1             |            | 4-5-3 DIN 7643 „H“          |
| 28           | 0000 502 745 00   | 2             |            | M 5 x 12 DIN 912-8.8A3C     |
| 29           | 0000 051 842 00   | 1             |            | M14 x 1                     |
| 30           | 0000 500 333 00   | 1             |            | M8 x 1 x 12 DIN 961-8.8 A3C |
| 31           | -----             | -             |            |                             |

Extra fuel device  
Startfüllung  
Surcharge  
Sobre aliment.-arranque  
Supplemento

21

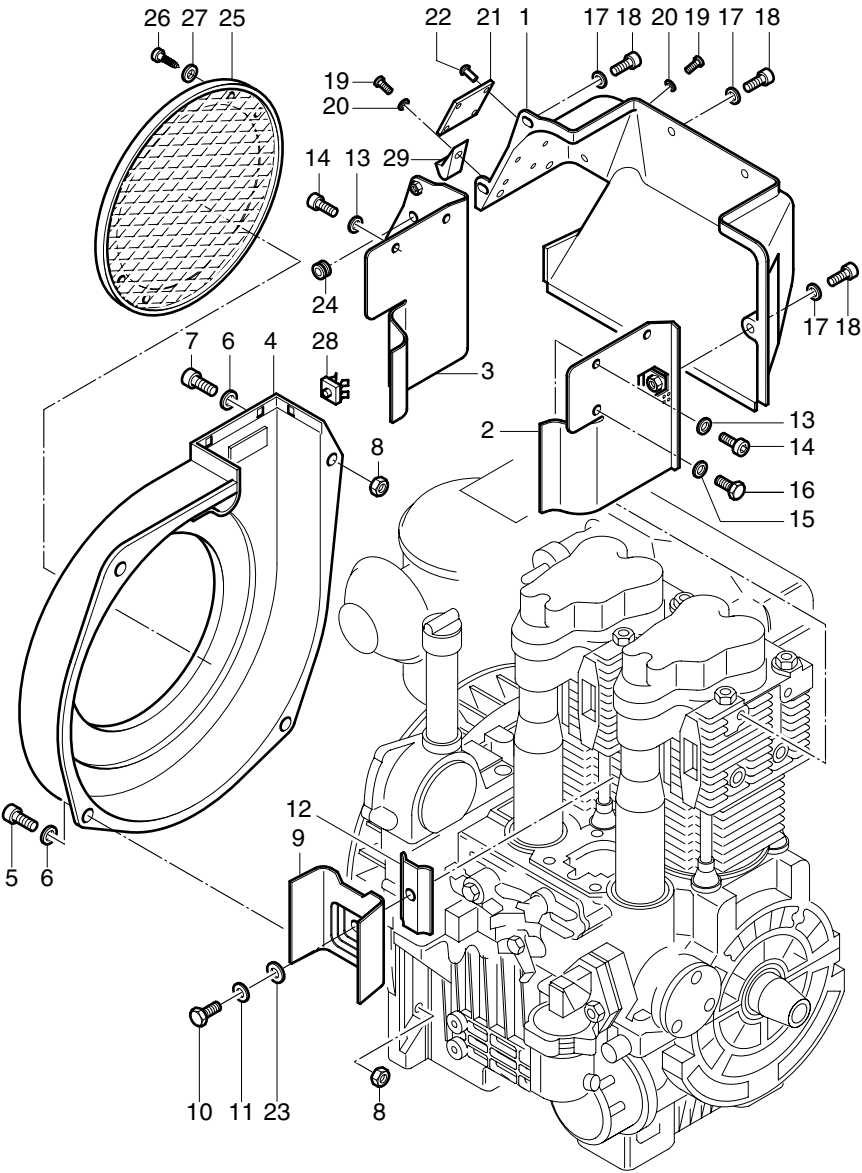


Injection equipment  
Einspritzausr stung  
Equipment d'injection  
Equipo de inyecci n  
Equipaggiamento di iniezione



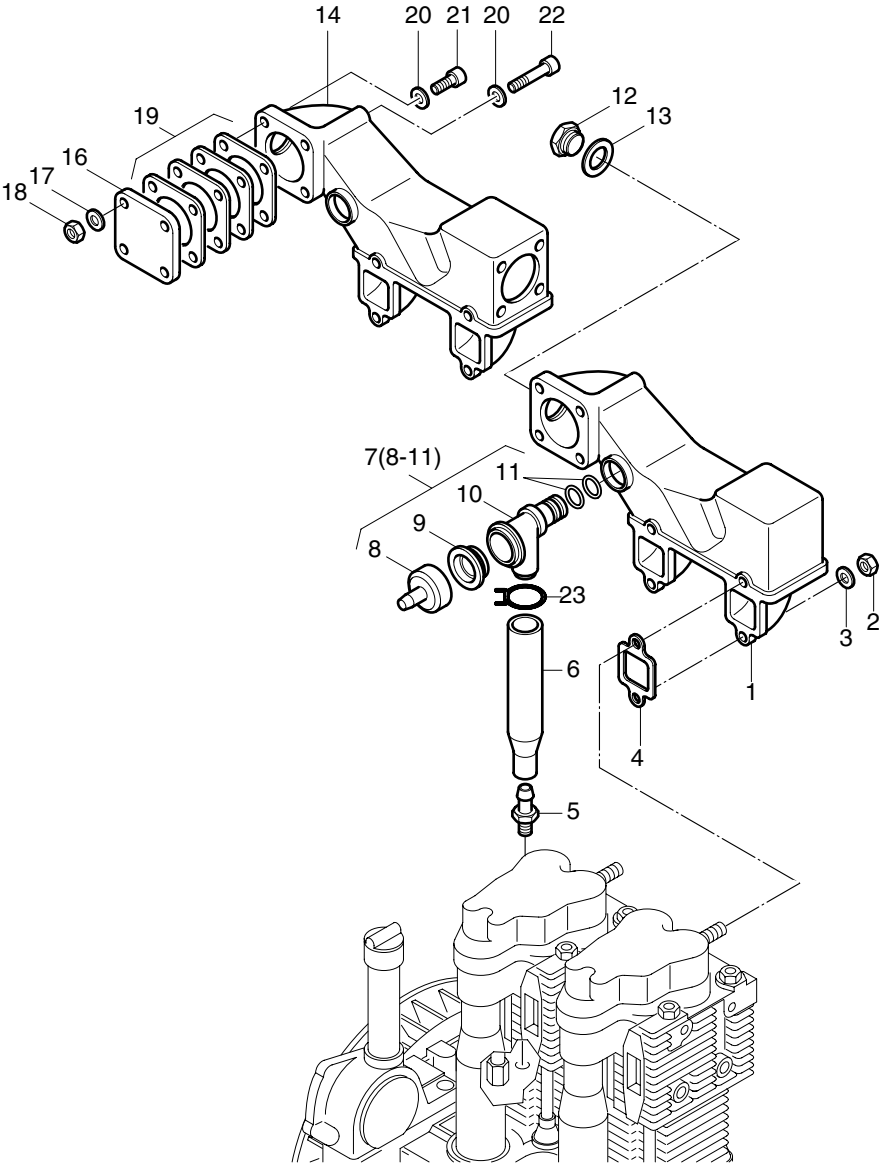
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>St ck | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|---------------|------------|--------------------------|
| 2G40         |                   |               |            |                          |
| 1            | 0000 501 480 00   | 4             |            | M 8 DIN 934-8 A3B        |
| 3            | 0000 503 122 00   | 1             |            | 4 H8 X 12 DIN 841-16 7   |
| 4            | 0000 500 983 00   | 4             |            | M 8 x 20 DIN 835-8.8 A3C |
| 7            | 0000 503 123 01   | 2... 4        | D2         | 0,10mm                   |
| 8            | 0000 505 522 00   | 0... 2        | D2         | 0,30mm                   |
| 10           | 0000 505 690 22   | 1             |            |                          |
| 11           | 0000 500 011 00   | 2             | D3         | A 12 x 15,5 DIN 7603-Cu  |
| 12           | 0000 012 232 01   | 1             |            |                          |
| 13           | 0000 500 009 00   | 1             | D5         | A 8 x 11,5 DIN 7603-Cu   |
| 14           | 0000 503 117 01   | 1             |            |                          |
| 15           | 0000 500 157 00   | 1             |            | NW 3                     |
| 16           | 0000 039 020 10   | 1             |            | 3,5 x 390 mm             |
| 17           | 0000 031 747 00   | 1             |            |                          |
| 18           | 0000 012 409 10   | 1             |            |                          |
| 19           | 0000 012 410 10   | 1             |            |                          |
| 20           | 0000 501 480 00   | 2             |            | M 8 DIN 934-8 A3B        |
| 21           | 0000 040 357 00   | 2             |            |                          |
| 22           | 0000 037 924 01   | 2             |            |                          |
| 23           | 0000 053 478 00   | 1             |            | 3,5 x 125 mm             |
| 24           | 0000 503 334 00   | 2             |            |                          |
| 25           | 0000 503 130 00   | 2             |            | M 6                      |
| 26           | 0000 503 131 00   | 4             | d2         | A 6 x 10 DIN 7603-Cu.    |
| 27           | 0000 505 691 20   | 2             |            |                          |
| 28           | -----             | -             |            |                          |
| 29           | 0000 505 692 20   | 2             |            |                          |
| 30           | 0000 040 258 00   | 2             | d1         |                          |
| 31           | 0000 500 384 00   | 2             |            | M 8 x 35 DIN 835-8.8 A3C |
| 32           | 0000 503 141 00   | 1             |            |                          |
| 33           | 0000 502 085 00   | 2             |            | 8 DIN 128 A3C            |
| 34           | 0000 501 445 00   | 1             |            | 6,4 DIN 125-St A3C       |
| 35           | 0000 041 875 10   | 2             |            | 3,5 x 45 mm              |
| 36           | 0000 505 901 00   | 2             |            |                          |
| 37           | 0000 042 654 00   | 1             |            | 8 x 14 x 4               |

Air ducting  
Luftführung  
Carter ventilation  
Conducción de aire  
Carter ventilatore



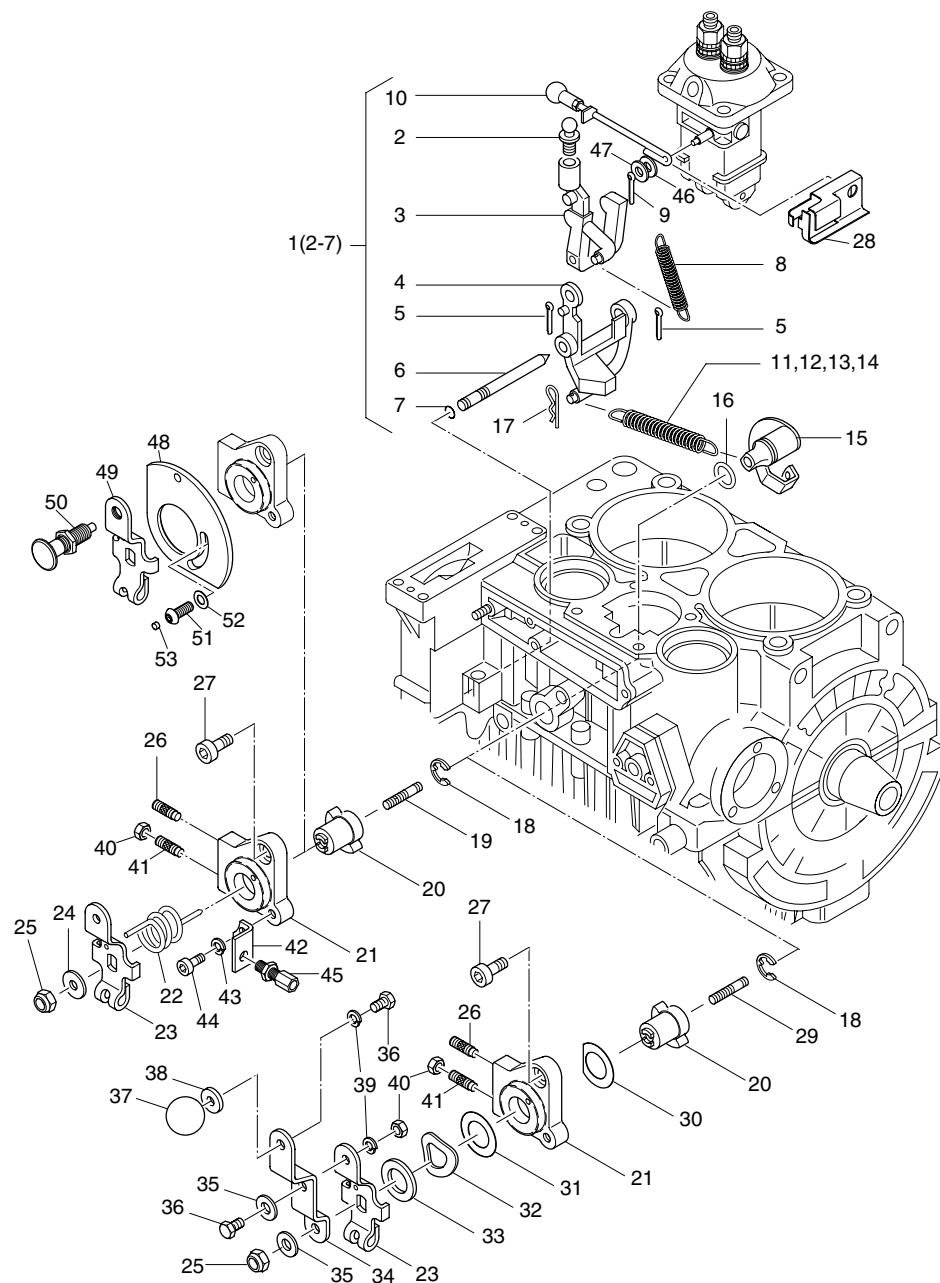
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|---------------|------------|--------------------------|
| 2G40         |                   |               |            |                          |
| 1            | 0000 037 844 00   | 1             |            |                          |
| 2            | 0000 012 259 00   | 1             |            |                          |
| 3            | 0000 012 258 00   | 1             |            |                          |
| 4            | 0000 503 142 00   | 1             |            |                          |
| 5            | 0000 501 707 00   | 3             |            | M 6 x 16 DIN 912-8.8A3C  |
| 6            | 0000 501 445 00   | 4             |            | 6,4 DIN 125-St A3C       |
| 7            | 0000 501 706 00   | 1             |            | M 6 x 20 DIN 912-8.8A3C  |
| 8            | 0000 501 444 00   | 4             |            | M 6 DIN 934 - 8 A3C      |
| 9            | 0000 037 843 00   | 1             |            |                          |
| 10           | 0000 501 655 00   | 1             |            | M 6 x 12 DIN 933-8.8 A3C |
| 11           | 0000 501 709 00   | 1             |            | 6 DIN 128 - A3C          |
| 12           | 0000 012 261 00   | 1             |            |                          |
| 13           | 0000 501 709 00   | 4             |            | 6 DIN 128 - A3C          |
| 14           | 0000 501 707 00   | 4             |            | M 6 x 16 DIN 912-8.8A3C  |
| 15           | 0000 502 085 00   | 2             |            | 8 DIN 128 A3C            |
| 16           | 0000 500 985 00   | 2             |            | M 8 x 16 DIN 933-8.8 A3C |
| 17           | 0000 501 445 00   | 5             |            | 6,4 DIN 125-St A3C       |
| 18           | 0000 503 338 00   | 5             |            | M 6 x 12 DIN 912-8.8 A3C |
| 19           | 0000 503 346 00   | 3             |            | M 4 x 12 DIN 912-8.8 A3C |
| 20           | 0000 503 154 00   | 3             |            | 34 DIN 137 A3C           |
| 21           | -----             | -             |            |                          |
| 22           | 0000 400 025 00   | 4             |            | 2,4                      |
| 23           | 0000 501 445 00   | 1             |            | 6,4 DIN 125-St A3C       |
| 24           | 0000 503 348 00   | 1             |            |                          |
| 25           | 0000 011 407 01   | 1             |            |                          |
| 26           | 0000 503 349 00   | 4             |            | B 4,2 x 9,5 DIN 7981 A3C |
| 27           | 0000 501 472 00   | 4             |            | 4,3 DIN 125 - A3C        |
| 28           | 0000 504 085 00   | 3             |            | M4                       |
| 29           | 0000 503 268 00   | 4             |            |                          |

Air intake manifold  
Luftansaugrohr  
Tube d'aspiration d'air  
Tubo de conduccion  
Collettore aspirazione



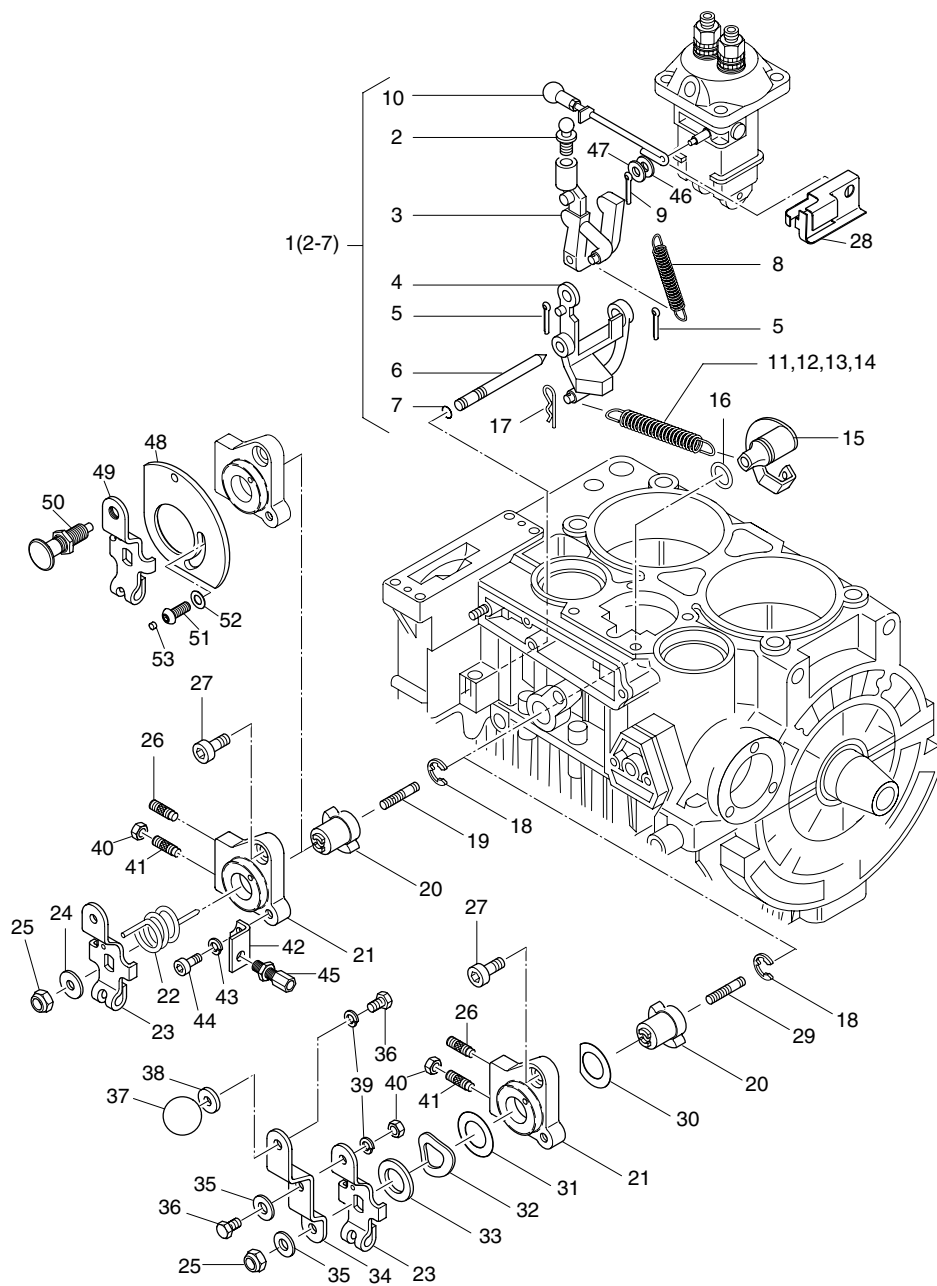
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|---------------|------------|--------------------------|
| 2G40         |                   |               |            |                          |
| 1            | 0000 020 476 00   | 1             |            |                          |
| 2            | 0000 400 284 00   | 4             |            | VM 8 DIN 980-8 C3A       |
| 3            | 0000 500 951 00   | 4             |            | A 8 DIN 137 A3C          |
| 4            | 0000 037 839 02   | 2             | d1         |                          |
| 5            | 0000 503 030 00   | 1             |            |                          |
| 6            | 0000 037 840 02   | 1             |            |                          |
| 7            | 0000 012 256 10   | 1             |            |                          |
| 8            | 0000 035 686 00   | 1             |            |                          |
| 9            | 0000 035 687 00   | 1             |            |                          |
| 10           | -----             | -             |            |                          |
| 11           | 0000 503 262 00   | 2             |            | 11,3 x 2,4               |
| 12           | 0000 501 404 00   | 1             |            | AM22x1,5DIN7604-5.8A3C   |
| 13           | 0000 500 016 00   | 1             | d1         | A 22 x 27 DIN 7603 Cu    |
| 14           | 0000 037 874 02   | 1             |            |                          |
| 16           | 0000 039 397 00   | 1             |            |                          |
| 17           | 0000 502 085 00   | 4             |            | 8 DIN 128 A3C            |
| 18           | 0000 501 480 00   | 4             |            | M 8 DIN 934-8 A3B        |
| 19           | 0000 012 856 00   | 1             |            |                          |
| 20           | 0000 501 481 00   | 4             |            | 8,4 DIN 125-St A3C       |
| 21           | 0000 501 759 00   | 2             |            | M 8 X 30 DIN 912-8.8 A3C |
| 22           | 0000 501 831 00   | 2             |            | M 8 X 90 DIN 912-8.8 A3C |
| 23           | 0000 050 369 00   | 1             |            | ø 25                     |

Speed control  
Drehzahlverstellung  
Reglage regime  
Ajuste de revoluciones  
Comando acceleratore

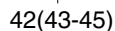


| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|-------------------|---------------|------------|-------------------------------|
| <b>2G40</b>  |                   |               |            |                               |
| 1            | 0000 012 225 10   | 1             |            |                               |
| 2            | -----             | -             |            |                               |
| 3            | -----             | -             |            |                               |
| 4            | -----             | -             |            |                               |
| 5            | 0000 506 198 00   | 1... 2        |            |                               |
| 6            | 0000 503 079 00   | 1             |            |                               |
| 7            | 0000 503 081 00   | 2             | D2         | 2,9 x 1,78                    |
| 8            | 0000 042 767 00   | 0... 1        |            |                               |
| 9            | 0000 500 360 00   | 1             |            | 2 x 10 DIN 94                 |
| 10           | 0000 020 148 00   | 1             |            |                               |
| 11           | 0000 041 966 00   | 0... 1        |            | ø 0,9 mm n=1500...2300 min-1  |
| 13           | 0000 041 968 01   | 0... 1        |            | ø 1,1 mm n=2300...3000 min-1  |
| 13           | 0000 041 969 01   | 0... 1        |            | ø 1,25 mm n=3001...3600 min-1 |
| 14           | 0000 041 964 11   | 0... 1        |            | ø 0,75 mm n=1500 min-1 Gen.   |
| 14           | 0000 042 832 00   | 0... 1        |            | ø 0,9 mm n=1800min-1 60Hz Gen |
| 15           | 0000 043 279 00   | 1             |            |                               |
| 16           | 0000 503 065 00   | 1             | D2         | 8,73 x 1,78                   |
| 17           | 0000 503 085 00   | 1             |            |                               |
| 18           | 0000 505 008 00   | 1             |            | 8 DIN 6799                    |
| 19           | 0000 503 286 00   | 1             |            | M6 x 25 DIN 938-8.8 A3C       |
| 20           | 0000 051 854 00   | 1             |            |                               |
| 21           | 0000 051 848 00   | 1             |            |                               |
| 22           | 0000 503 093 00   | 1             |            |                               |
| 23           | 0000 503 094 00   | 1             |            |                               |
| 24           | 0000 501 143 00   | 1             |            | 6,4 x 17 x 3 DIN 7349 A3C     |
| 25           | 0000 503 283 00   | 1             |            | VM 6 DIN 980-8 A3C            |
| 26           | 0000 502 863 00   | 1             |            | M 6 X 16 DIN 915TUF360G       |
| 27           | 0000 500 520 00   | 1             |            | M 8 X 20 DIN 6912-8.8 A3C     |
| 28           | 0000 051 853 01   | 1             |            |                               |
| 29           | 0000 505 110 00   | 1             |            | M 6 x 30 DIN 938 - A3C        |
| 30           | 0000 052 074 00   | 1             |            |                               |
| 31           | 0000 034 560 00   | 1             |            | 19 / 0,40 mm                  |
| 32           | 0000 505 082 00   | 1             |            | B 18 DIN 137 A3C              |
| 33           | 0000 052 024 00   | 1             |            | 18 x 30 x 3                   |
| 34           | 0000 050 455 10   | 1             |            |                               |
| 35           | 0000 501 445 00   | 2             |            | 6,4 DIN 125-St A3C            |
| 36           | 0000 501 771 00   | 2             |            | M 6 x 16 DIN 933-8.8 A3C      |
| 37           | 0000 501 951 00   | 1             |            | E25-FS                        |
| 38           | 0000 501 143 00   | 1             |            | 6,4 x 17 x 3 DIN 7349 A3C     |
| 39           | 0000 501 709 00   | 2             |            | 6 DIN 128 - A3C               |
| 40           | 0000 501 444 00   | 2             |            | M 6 DIN 934 - 8 A3C           |
| 41           | 0000 501 381 00   | 0... 1        |            | M 6 X 35 DIN 915-45H          |
| 41           | 0000 505 078 01   | 0... 1        |            | M 6 X 45 DIN 915              |
| 42           | 0000 051 892 00   | 1             |            |                               |
| 43           | 0000 501 709 00   | 1             |            | 6 DIN 128 - A3C               |
| 44           | 0000 501 491 00   | 1             |            | M 6 x 12 DIN 912-8.8A3C       |
| 45           | 0000 503 091 00   | 1             |            |                               |
| 46           | 0000 502 163 00   | 1             |            | 5,3 DIN 125-St A3C            |
| 47           | 0000 505 144 00   | 0... 2        |            | 5 x 10 x 0,3 DIN 988          |

Speed control  
Drehzahlverstellung  
Reglage regime  
Ajuste de revoluciones  
Comando acceleratore

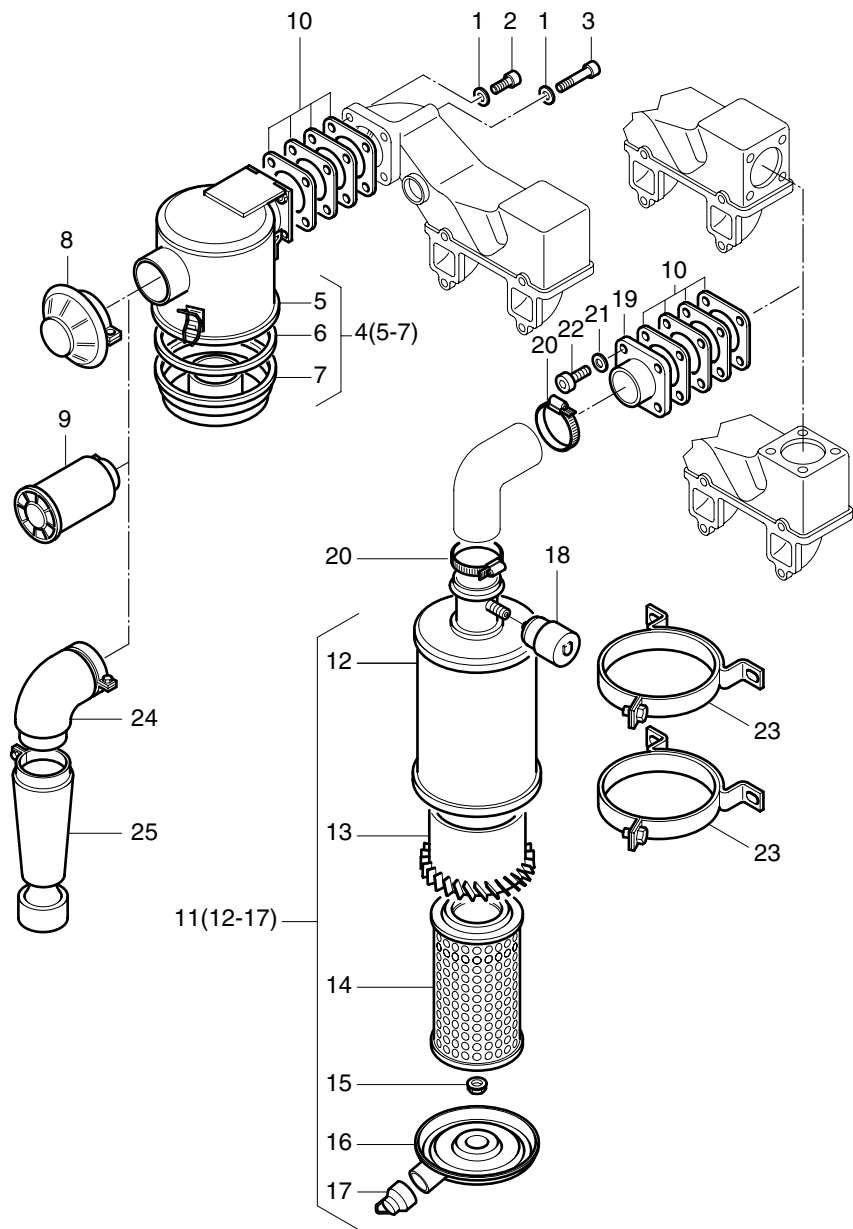


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|---------------|------------|----------------------|
|              |                        | <b>2G40</b>   |            |                      |
| 48           | 0000 <b>054 334 00</b> | 0... 1        |            |                      |
| 49           | 0000 <b>054 335 00</b> | 0... 1        |            |                      |
| 50           | 0000 <b>506 327 00</b> | 0... 1        |            |                      |
| 51           | 0000 <b>505 242 00</b> | 0... 1        |            | M 6 x 16 A3C         |
| 52           | 0000 <b>500 812 00</b> | 0... 1        |            | A 6 DIN 137 - A3C    |
| 53           | 0000 <b>041 706 00</b> | 0... 1        |            | 4,15                 |

2G40

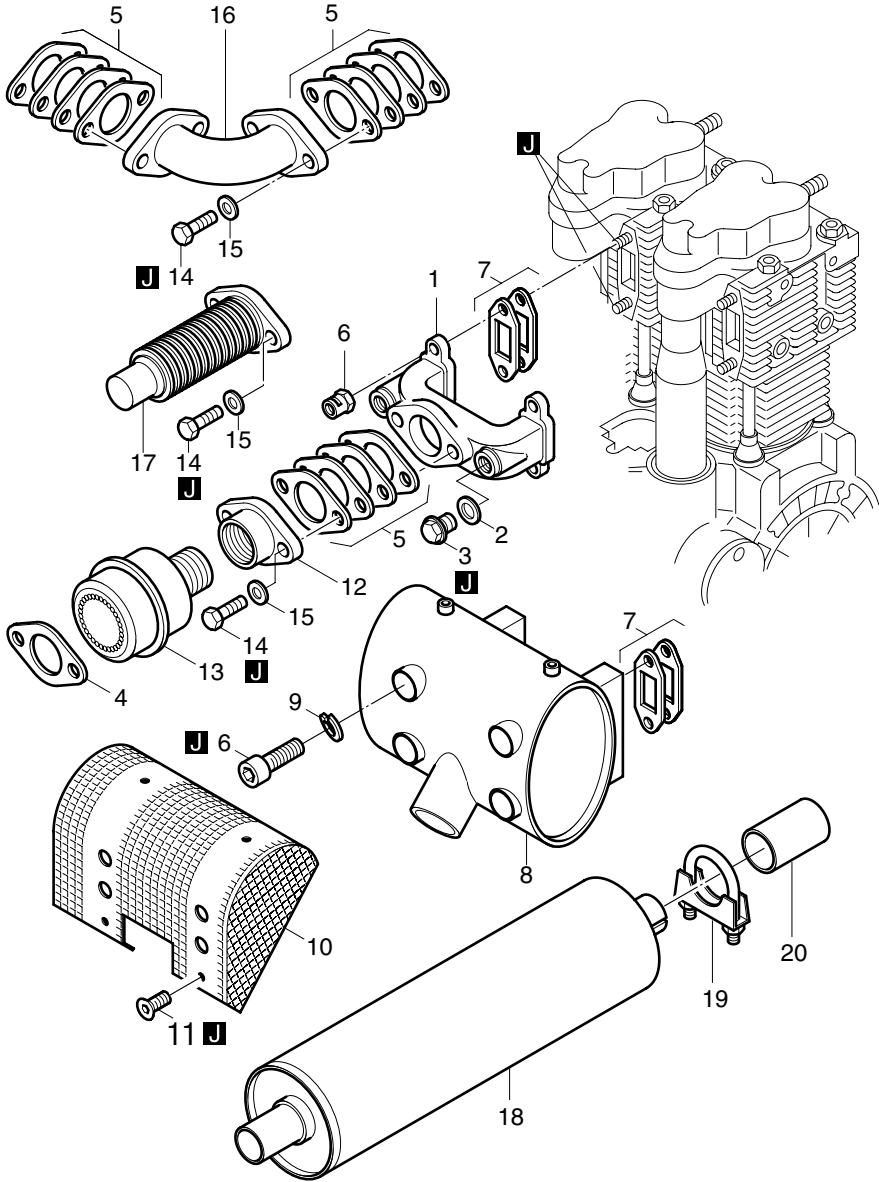


Air filter  
Luftfilter  
Filtre à air  
Filtro de aire  
Filtro aria



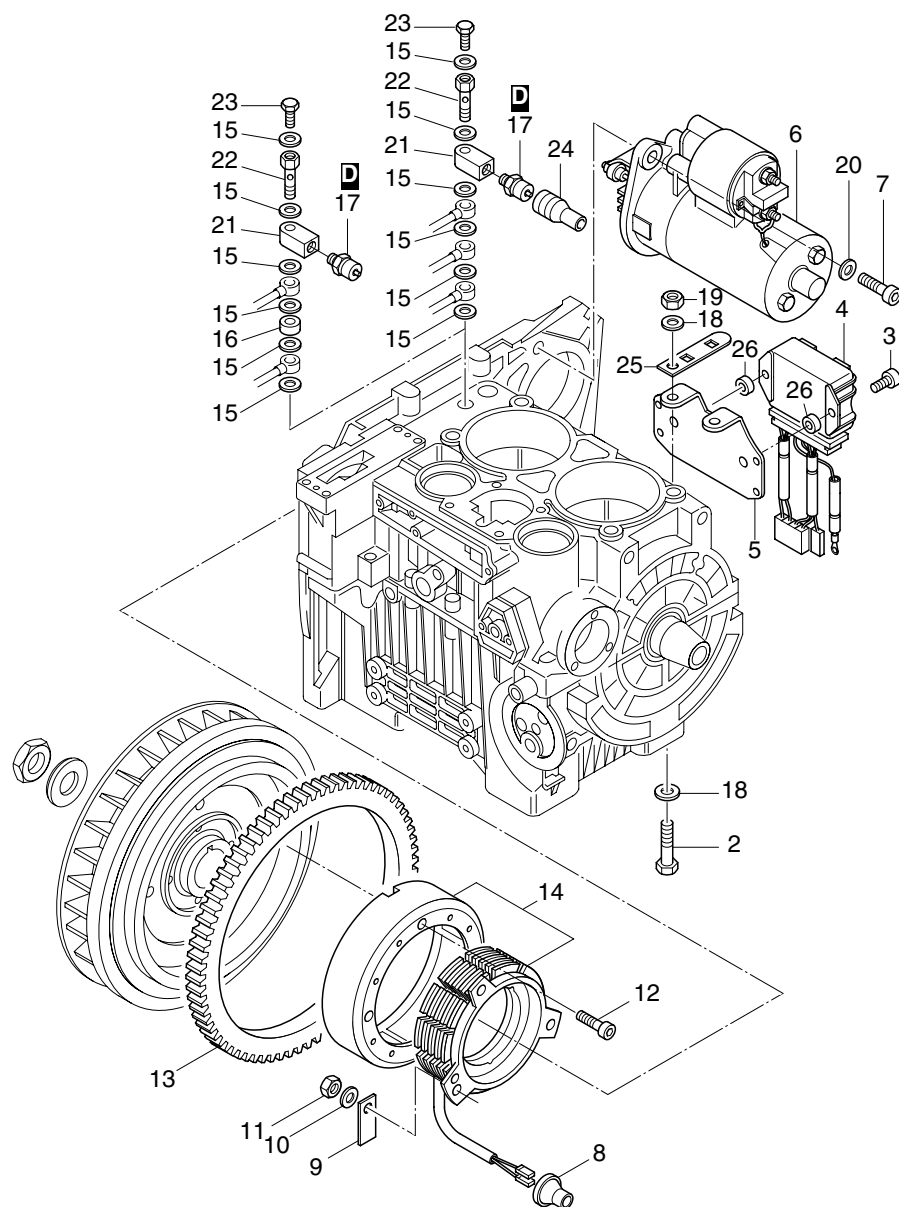
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|---------------|------------|--------------------------|
| 2G40         |                   |               |            |                          |
| 1            | 0000 501 481 00   | 4             |            | 8,4 DIN 125-St A3C       |
| 2            | 0000 501 759 00   | 2             |            | M 8 X 30 DIN 912-8.8 A3C |
| 3            | 0000 501 831 00   | 2             |            | M 8 X 90 DIN 912-8.8 A3C |
| 4            | 0000 011 222 10   | 1             |            |                          |
| 5            | -----             | -             |            |                          |
| 6            | 0000 490 380 00   | 1             |            |                          |
| 7            | 0000 490 595 00   | 1             |            |                          |
| 8            | 0000 400 404 00   | 1             |            |                          |
| 9            | 0000 010 359 02   | 1             |            |                          |
| 10           | 0000 012 856 00   | 1             |            |                          |
| 11           | 0000 503 678 00   | 1             |            |                          |
| 12           | -----             | -             |            |                          |
| 13           | -----             | -             |            |                          |
| 14           | 0000 490 616 00   | 1             |            |                          |
| 15           | -----             | -             |            |                          |
| 16           | -----             | -             |            |                          |
| 17           | -----             | -             |            |                          |
| 18           | 0000 503 330 00   | 1             |            |                          |
| 19           | 0000 011 989 00   | 1             |            | Ø 50 mm                  |
| 20           | 0000 400 955 00   | 2             |            | Ø 50 - 70                |
| 21           | 0000 502 085 00   | 4             |            | 8 DIN 128 A3C            |
| 22           | 0000 502 063 00   | 4             |            | M 8 X 18 DIN 912-8.8A3C  |
| 23           | 0000 503 679 00   | 2             |            |                          |
| 24           | 0000 011 930 00   | 1             |            |                          |
| 25           | 0000 011 931 00   | 1             |            |                          |

Exhaust silencer  
Abgasdämpfer  
Silencieux  
Silenciador  
Marmitta



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen                                                                             |
|--------------|-------------------|---------------|------------|--------------------------------------------------------------------------------------------------|
| 2G40         |                   |               |            |                                                                                                  |
| 1            | 0000 039 198 00   | 1             | d1         | R 1/4 DIN 910 - 5.8 A3C<br>42 x 68 DIN 71501                                                     |
| 2            | 0000 032 288 00   | 2             |            |                                                                                                  |
| 3            | 0000 500 447 00   | 2             |            |                                                                                                  |
| 4            | 0000 500 606 00   | 1             |            |                                                                                                  |
| 5            | 0000 012 858 00   | 1             | d1         | M 8 X 30 DIN 912-8.8 C4P                                                                         |
| 6            | 0000 504 040 00   | 4             |            |                                                                                                  |
| 7            | 0000 012 855 01   | 2             |            |                                                                                                  |
| 8            | 0000 011 290 10   | 1             |            |                                                                                                  |
| 9            | 0000 500 028 00   | 4             |            | 8 DIN 128                                                                                        |
| 10           | 0000 011 395 10   | 1             |            |                                                                                                  |
| 11           | 0000 504 225 01   | 4             |            |                                                                                                  |
| 12           | 0000 038 291 00   | 1             |            |                                                                                                  |
| 13           | 0000 008 722 00   | 1             |            | M 6 x 12 DIN 7991 - 8.8 A3C<br>R 1 1/4<br>R 1 1/4<br>M 10 x 25 DIN 933-8.8 C4P<br>10 DIN 128 A3C |
| 14           | 0000 503 272 00   | 2             |            |                                                                                                  |
| 15           | 0000 501 356 00   | 2             |            |                                                                                                  |
| 16           | 0000 011 397 00   | 1             |            |                                                                                                  |
| 17           | 0000 503 231 00   | 1             |            |                                                                                                  |
| 18           | 0000 010 507 00   | 1             |            |                                                                                                  |
| 19           | 0000 503 398 00   | 1             |            |                                                                                                  |
| 20           | 0000 038 485 00   | 1             |            |                                                                                                  |

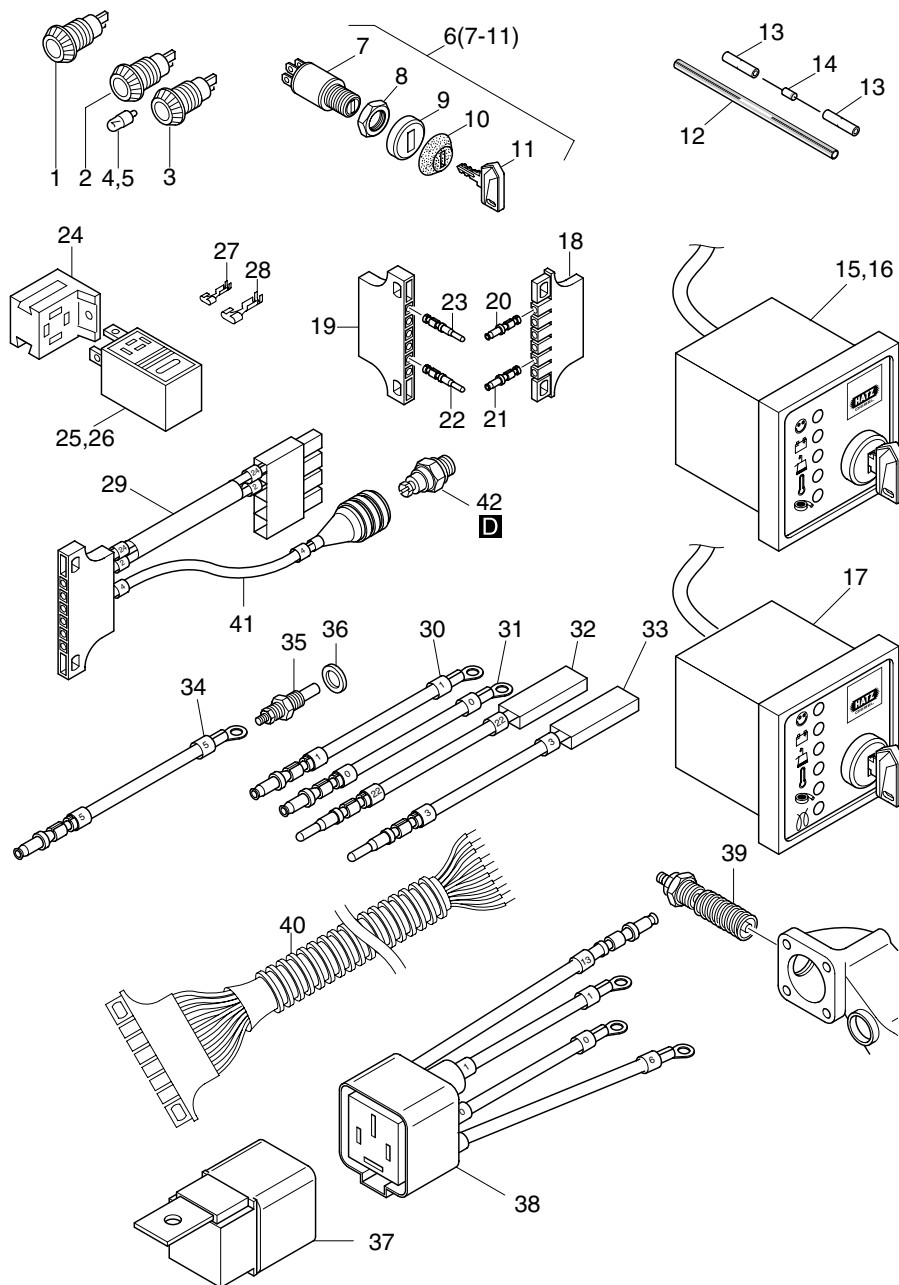
Starter, alternator, oil pressure switch  
 Starter, Generator, Öldruckschalter  
 Démarreur, alternateur, interr. press huile  
 Arrancador, alternador, interr. pres. Aceite  
 Motorino avviamento, alternatore, pressaostato olio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|------------------------|---------------|------------|-----------------------------|
| <b>2G40</b>  |                        |               |            |                             |
| 2            | 0000 <b>503 837 00</b> | 2             |            | M 6 x 55 DIN 931-8.8 A3C    |
| 3            | 0000 <b>501 775 00</b> | 2             |            | M 8 X 40 DIN 912-8.8 A3C    |
| 4            | 0000 <b>019 838 00</b> | 1             |            | 12 V                        |
| 4            | 0000 <b>019 839 00</b> | 1             |            | 24 V                        |
| 5            | 0000 <b>039 581 00</b> | 1             |            |                             |
| 6            | 0000 <b>504 967 00</b> | 1             |            | 12 V, 2,0 KW                |
| 6            | 0000 <b>505 464 02</b> | 1             |            | 24 V, 3,0 KW                |
| 7            | 0000 <b>500 934 00</b> | 2             |            | M10 X 30 DIN 912-8.8 A3C    |
| 8            | 0000 <b>040 391 00</b> | 1             |            |                             |
| 9            | 0000 <b>502 935 00</b> | 1             |            |                             |
| 10           | 0000 <b>501 445 00</b> | 3             |            | 6,4 DIN 125-St A3C          |
| 11           | 0000 <b>501 444 00</b> | 3             |            | M 6 DIN 934 - 8 A3C         |
| 12           | 0000 <b>503 239 00</b> | 5             |            | M 6 x 30 DIN 912-8.8A3C     |
| 13           | 0000 <b>037 922 00</b> | 1             |            |                             |
| 14           | 0000 <b>019 285 01</b> | 1             |            | 12V, 280 W                  |
| 14           | 0000 <b>019 286 01</b> | 1             |            | 24 V, 280 W                 |
| 15           | 0000 <b>500 009 00</b> | 6             |            | A 8 x 11,5 DIN 7603-Cu      |
| 16           | 0000 <b>037 901 00</b> | 0... 1        |            | 8,4 x 12 x 10               |
| 17           | 0000 <b>504 691 00</b> | 1             |            | OIL 0,3 - 0,6 bar           |
| 18           | 0000 <b>501 445 00</b> | 2             |            | 6,4 DIN 125-St A3C          |
| 19           | 0000 <b>501 444 00</b> | 2             |            | M 6 DIN 934 - 8 A3C         |
| 20           | 0000 <b>501 459 00</b> | 2             |            | 10,5 DIN 125-St A3C         |
| 21           | 0000 <b>039 321 00</b> | 1             |            |                             |
| 22           | 0000 <b>037 900 02</b> | 1             |            |                             |
| 23           | 0000 <b>500 333 00</b> | 1             |            | M8 x 1 x 12 DIN 961-8.8 A3C |
| 24           | 0000 <b>503 294 00</b> | 1             |            |                             |
| 25           | 0000 <b>039 262 00</b> | 1             |            |                             |
| 26           | 0000 <b>050 292 00</b> | 2             |            | 9 x18 x 8                   |

# Z05b, Z10, Z11

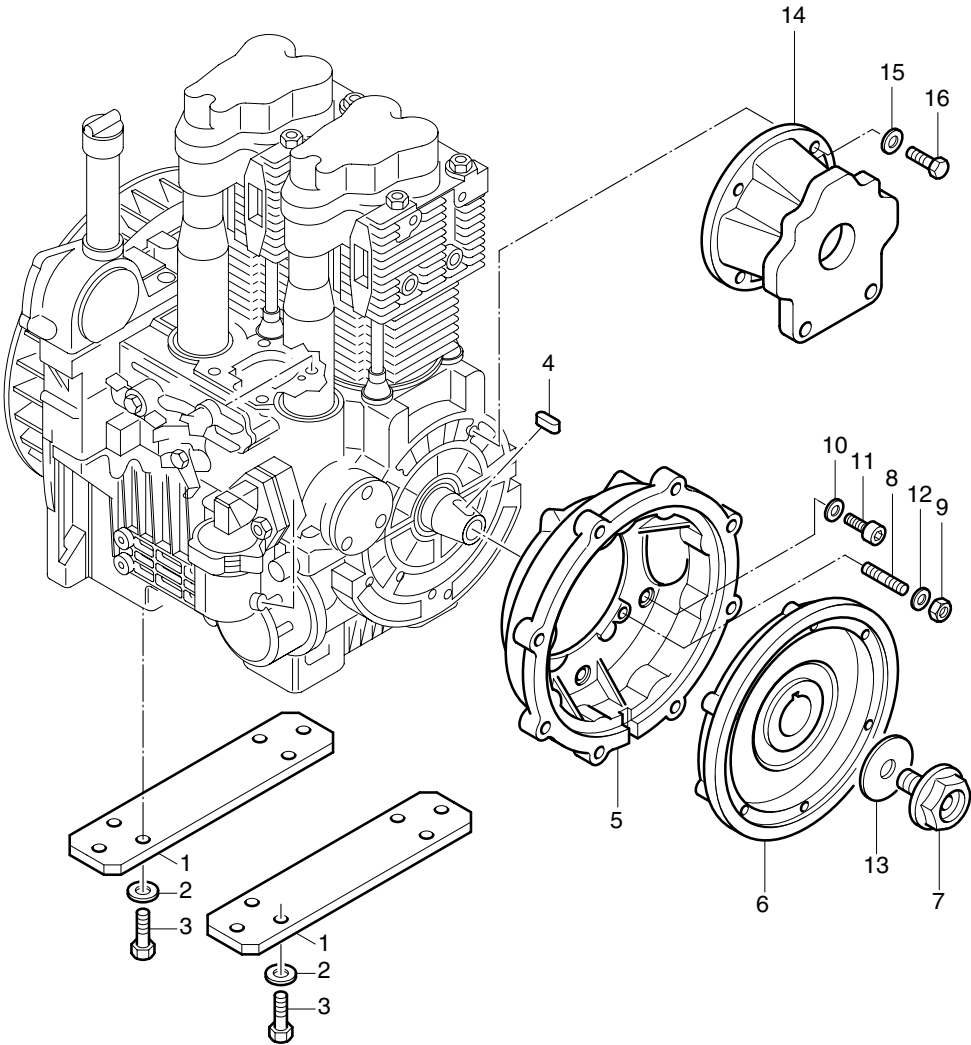
Electric equipment, wirings  
Armaturenkasten, Leitungen  
Equipement électrique, cable  
Cuadro de mando, cables  
Cruscotto, cablaggio



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|---------------|------------|-------------------------|
| 2G40         |                   |               |            |                         |
| 1            | 0000 501 765 00   | 1             |            | BATT.                   |
| 2            | 0000 501 764 00   | 1             |            | TEMP.                   |
| 3            | 0000 501 766 00   | 1             |            | OIL                     |
| 4            | 0000 400 097 00   | 0... 3        |            | 12 V - 2 W              |
| 5            | 0000 400 098 00   | 0... 3        |            | 24 V - 2 W              |
| 6            | 0000 503 844 01   | 1             |            |                         |
| 7            | -----             | -             |            |                         |
| 8            | -----             | -             |            |                         |
| 9            | -----             | -             |            |                         |
| 10           | 0000 051 264 02   | 1             |            |                         |
| 11           | 0000 504 049 00   | 1             |            | Nr. 14644               |
| 12           | 0000 036 700 00   | 0... 4        |            | 4 x 120 mm              |
| 13           | 0000 501 892 00   | 0... 8        |            |                         |
| 14           | 0000 503 444 00   | 0... 4        |            | 1 N 4007                |
| 15           | 0000 015 518 03   | 1             |            | 12 V, A 1, 2,0m         |
| 16           | 0000 015 697 03   | 1             |            | 24 V, A 1               |
| 17           | 0000 015 589 04   | 1             |            | 12 V / 24 V, Aut., 2,0m |
| 18           | 0000 503 737 00   | 1             |            |                         |
| 19           | 0000 503 736 00   | 1             |            |                         |
| 20           | 0000 503 738 00   | 5             |            | 0,5 - 1,0               |
| 21           | 0000 503 739 00   | 1             |            | 1,5 - 2,5               |
| 22           | 0000 503 741 00   | 5             |            | 0,5 - 1,0               |
| 23           | 0000 503 743 00   | 1             |            | 2,5 - 4,0               |
| 24           | 0000 502 760 00   | 1             |            |                         |
| 25           | 0000 502 758 02   | 0... 1        |            | 12 V HATZ MSR           |
| 26           | 0000 502 759 02   | 0... 1        |            | 24 V HATZ MSR           |
| 27           | 0000 400 747 00   | 11            |            | B 6,3 - 2,5 BZ          |
| 28           | 0000 502 768 00   | 0... 4        |            | 9,5 - 6A                |
| 29           | 0000 014 036 20   | 1             |            |                         |
| 30           | 0000 016 790 00   | 1             |            | (1) 520mm               |
| 31           | 0000 015 744 02   | 1             |            | (0) 450mm               |
| 32           | 0000 015 268 00   | 1             |            | (22) 360mm              |
| 33           | 0000 016 786 00   | 1             |            | (3) 500mm               |
| 34           | 0000 011 423 10   | 1             |            | (5) 950mm               |
| 35           | 0000 502 686 00   | 1             |            | TEMP. 12-24V            |
| 36           | 0000 501 958 00   | 1             |            | 10 x 16 x 0,5 DIN 988   |
| 37           | 0000 505 727 00   | 1             |            | RELAIS                  |
| 38           | 0000 018 762 00   | 1             |            |                         |
| 39           | 0000 501 639 00   | 1             |            | 184G                    |
| 40           | 0000 015 498 01   | 1             |            | K 2 - 2 m               |
| 41           | 0000 011 932 11   | 1             |            | (4)                     |
| 42           | 0000 504 691 01   | 1             |            | OIL 0,3 - 0,6 bar       |

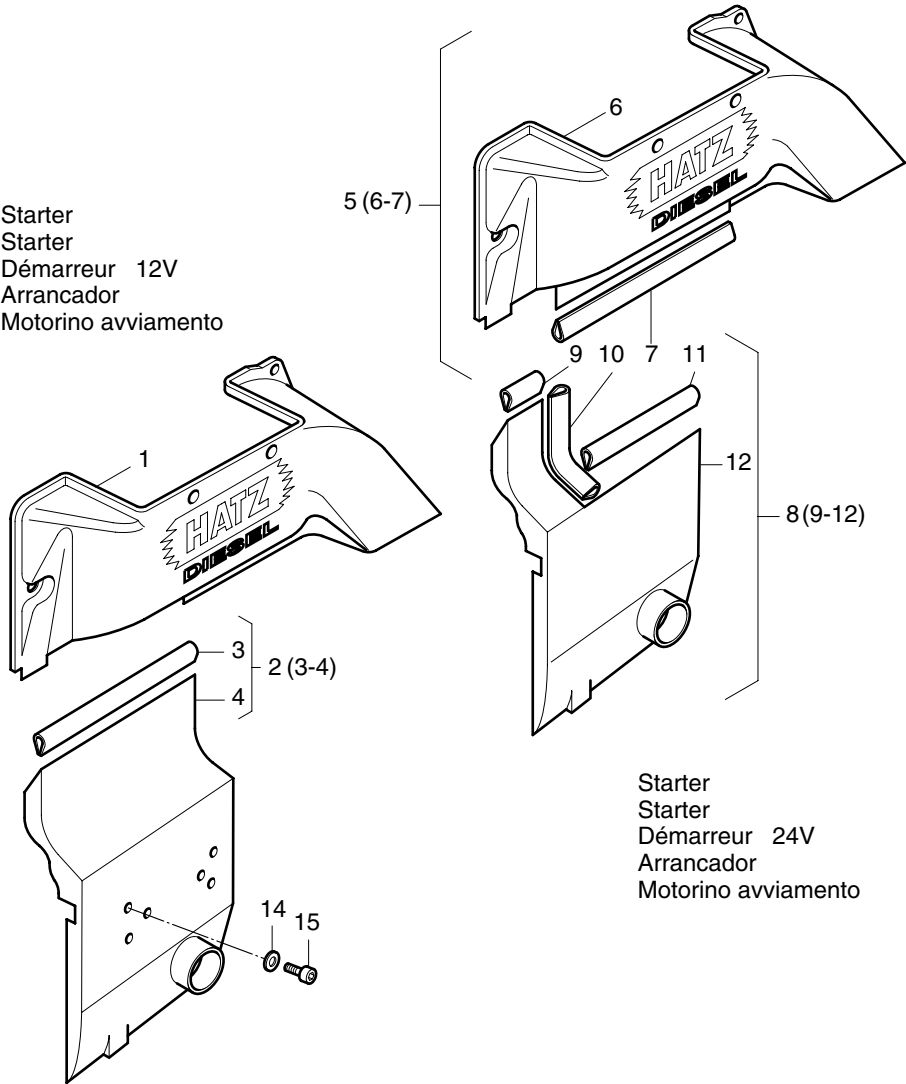
Z06, Z15

Engine brackets, intermediate housing  
Motorfüße, Anschlußgehäuse  
Pieds moteur, bride raccord  
Soportes del motor, caja de conexión  
Staffe supporto motore, flangiatura



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------------|-----------------------------|
| 2G40         |                   |               |            |                             |
| 1            | 0000 039 200 00   | 2             |            |                             |
| 2            | 0000 501 356 00   | 8             |            | 10 DIN 128 A3C              |
| 3            | 0000 503 276 00   | 8             |            | M 10 x 35 DIN 933 - 8.8 A3C |
| 4            | 0000 500 112 00   | 1             |            | A 6 x 6 x 25 DIN 6885       |
| 5            | 0000 502 954 00   | 1             |            | SAE 5                       |
| 6            | 0000 502 955 00   | 1             |            |                             |
| 7            | 0000 502 956 00   | 1             |            | M 18 x 1,5                  |
| 8            | 0000 500 404 00   | 4             |            | M 10 x 25 DIN 835-8.8       |
| 9            | 0000 501 458 00   | 4             |            | M10 DIN 934-8 A3C           |
| 10           | 0000 501 459 00   | 5             |            | 10,5 DIN 125-St A3C         |
| 11           | 0000 503 278 00   | 5             |            | M10 X 35 DIN 912-8.8 A3C    |
| 12           | 0000 501 459 00   | 4             |            | 10,5 DIN 125-St A3C         |
| 13           | 0000 503 047 00   | 1             |            | 21 x 60 x 1,5               |
| 14           | 0000 039 292 00   | 1             |            | ø 46mm                      |
| 15           | 0000 501 459 00   | 4             |            | 10,5 DIN 125-St A3C         |
| 16           | 0000 501 364 00   | 4             |            | M 10 x 25 DIN 933 - 8.8 A3C |

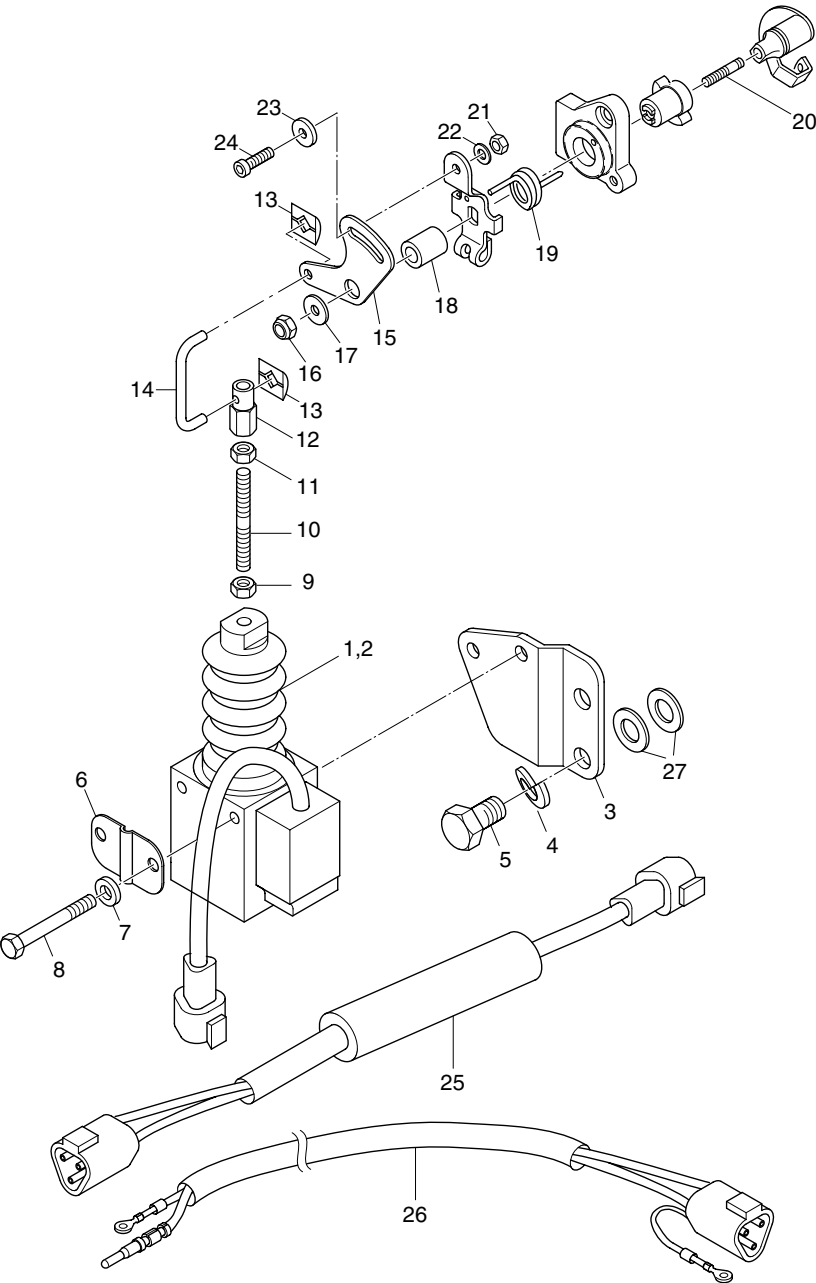
Add. Oil-cooling system  
Zusatzölkühlung  
Refroid. D'huile sup.  
Refrig. P. aceite sup.  
Sistema addizionale di raffreddamento olio



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|---------------|------------|--------------------------|
| 2G40         |                   |               |            |                          |
| 1            | 0000 039 959 00   | 1             |            |                          |
| 2            | 0000 014 376 10   | 1             |            |                          |
| 3            | 0000 039 999 00   | 1             |            | 200 mm                   |
| 4            | -----             | -             |            |                          |
| 5            | 0000 014 375 00   | 1             |            |                          |
| 6            | -----             | -             |            |                          |
| 7            | 0000 050 070 00   | 1             |            | 190 mm                   |
| 8            | 0000 014 400 10   | 1             |            |                          |
| 9            | 0000 050 073 00   | 1             |            | 48 mm                    |
| 10           | 0000 050 072 00   | 1             |            | 115 mm                   |
| 11           | 0000 050 071 00   | 1             |            | 160 mm                   |
| 12           | -----             | -             |            |                          |
| 14           | 0000 501 445 00   | 2             |            | 6,4 DIN 125-St A3C       |
| 15           | 0000 501 771 00   | 2             |            | M 6 x 16 DIN 933-8.8 A3C |

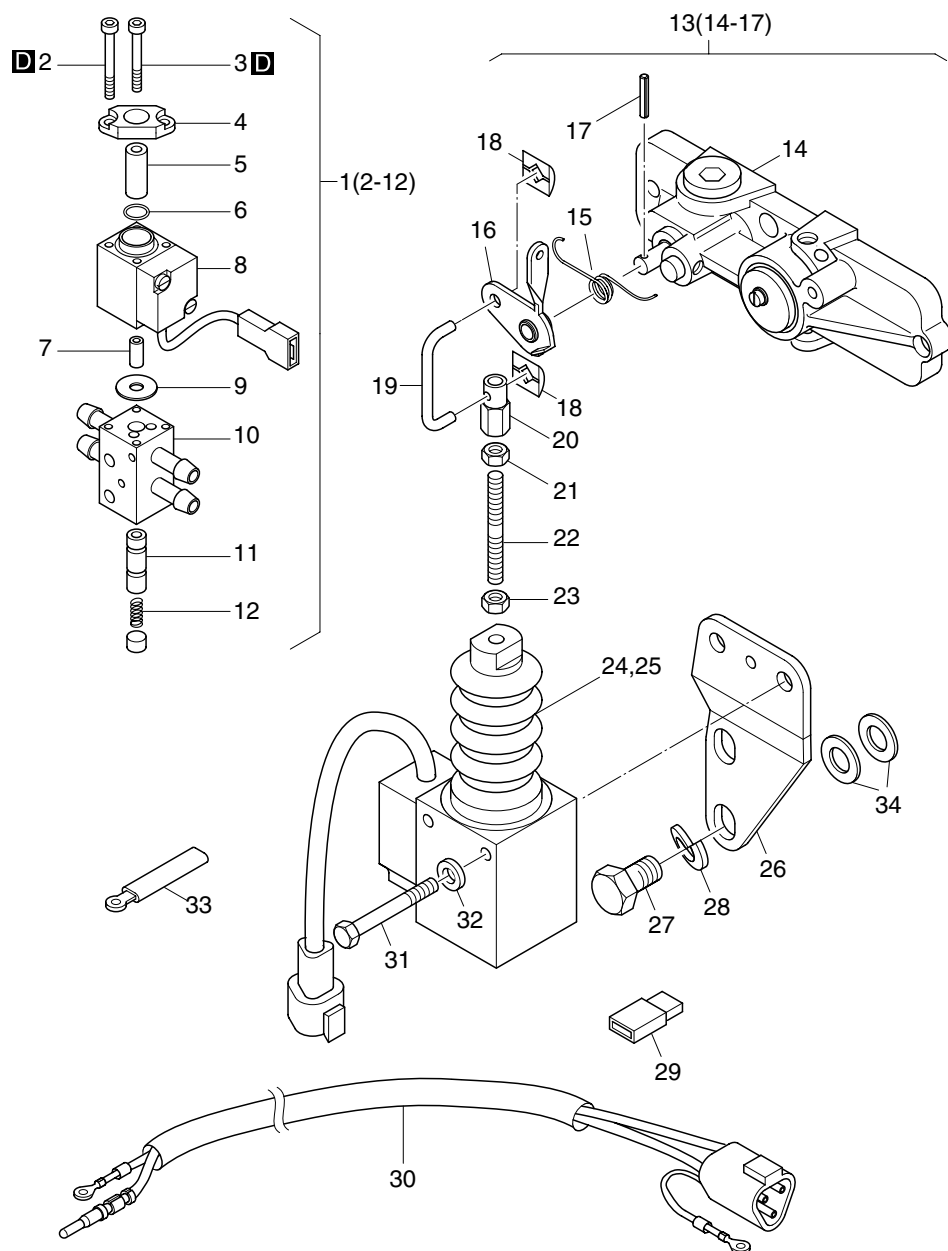


Lifting magnet for speed control  
Hubmagnet zur Drehzahlverstellung  
El. Aimant reglage regime  
Elevador magnet. ajuste de revoluciones  
Magnet comando acceleratore



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------------|-----------------------------|
| 2G40         |                   |               |            |                             |
| 1            | 0000 052 707 00   | 0... 1        |            | 12V                         |
| 2            | 0000 052 708 00   | 0... 1        |            | 24V                         |
| 3            | 0000 015 177 10   | 1             |            |                             |
| 4            | 0000 501 356 00   | 2             |            | 10 DIN 128 A3C              |
| 5            | 0000 501 499 00   | 2             |            | M10 x 30 DIN 933-8.8 A3C    |
| 6            | 0000 053 016 00   | 1             |            |                             |
| 7            | 0000 501 709 00   | 2             |            | 6 DIN 128 - A3C             |
| 8            | 0000 503 837 00   | 2             |            | M 6 x 55 DIN 931-8.8 A3C    |
| 9            | 0000 501 444 00   | 1             |            | M 6 DIN 934 - 8 A3C         |
| 10           | 0000 050 946 00   | 1             |            | M6 „links“                  |
| 11           | 0000 504 467 00   | 1             |            | M 6 DIN 934 - 8 A3C „links“ |
| 12           | 0000 050 640 10   | 1             |            | M6 „links“                  |
| 13           | 0000 503 656 00   | 2             |            | 6                           |
| 14           | 0000 052 069 10   | 1             |            |                             |
| 15           | 0000 039 598 13   | 1             |            |                             |
| 16           | 0000 503 283 00   | 1             |            | VM 6 DIN 980-8 A3C          |
| 17           | 0000 501 445 00   | 1             |            | 6,4 DIN 125-St A3C          |
| 18           | 0000 036 714 00   | 1             |            | 7 x 12 x 15                 |
| 19           | 0000 053 221 01   | 1             |            | „links“                     |
| 20           | 0000 505 111 00   | 1             |            | M 6 x 40 DIN 938 - 8.8 A3C  |
| 21           | 0000 501 444 00   | 1             |            | M 6 DIN 934 - 8 A3C         |
| 22           | 0000 501 445 00   | 1             |            | 6,4 DIN 125-St A3C          |
| 23           | 0000 501 143 00   | 1             |            | 6,4 x 17 x 3 DIN 7349 A3C   |
| 24           | 0000 501 707 00   | 1             |            | M 6 x 16 DIN 912-8.8A3C     |
| 25           | 0000 018 654 01   | 1             |            |                             |
| 26           | 0000 018 953 00   | 1             |            |                             |
| 27           | 0000 501 459 00   | 4             |            | 10,5 DIN 125-St A3C         |

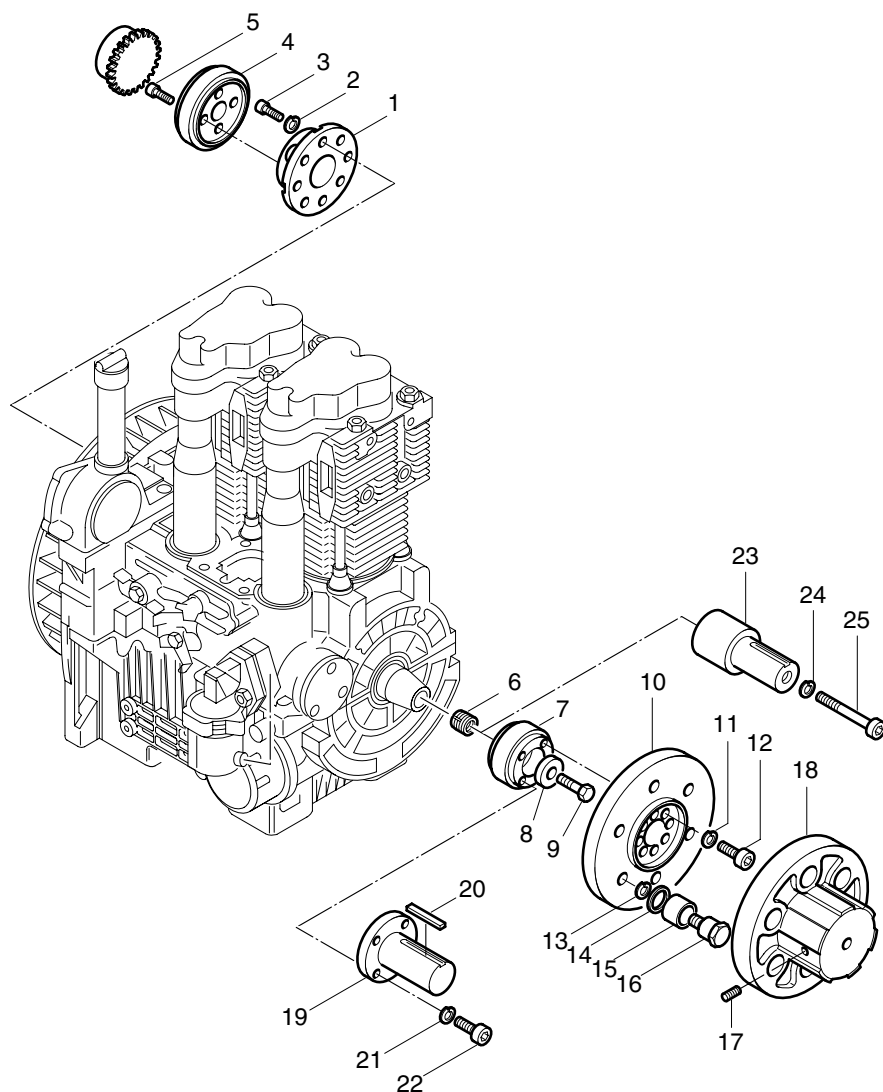
Shut-off valve, lifting magnet engine stop  
 Kraftstoffabsperventil, Hubmagnet zur Motorabstellung  
 Soupape de arret, el. Aimant moteur stop  
 Valvula cierre, elevador magnet. motor stop  
 Valvula p. chiudere il carb., magnete elettrostop



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|------------------------|---------------|------------|-----------------------------|
| <b>2G40</b>  |                        |               |            |                             |
| 1            | 0000 <b>017 624 00</b> | 1             |            | 12V                         |
| 1            | 0000 <b>017 625 00</b> | 1             |            | 24V                         |
| 2            | 0000 <b>503 547 00</b> | 2             |            | M 4 X 45 DIN 912-8.8 A3C    |
| 3            | 0000 <b>502 699 00</b> | 2             |            | M 4 X 35 DIN 912-8.8A3C     |
| 4            | 0000 <b>039 550 00</b> | 1             |            |                             |
| 5            | 0000 <b>039 561 00</b> | 1             |            |                             |
| 6            | 0000 <b>502 750 00</b> | 1             |            | 14 x 1,78                   |
| 7            | -----                  | -             |            |                             |
| 8            | 0000 <b>039 548 04</b> | 1             |            | 12V, 14W                    |
| 8            | 0000 <b>039 676 04</b> | 1             |            | 24V, 14W                    |
| 9            | 0000 <b>039 593 00</b> | 1             |            |                             |
| 10           | -----                  | -             |            |                             |
| 11           | -----                  | -             |            |                             |
| 12           | -----                  | -             |            |                             |
| 13           | 0000 <b>017 433 10</b> | 1             |            |                             |
| 14           | -----                  | -             |            |                             |
| 15           | 0000 <b>053 083 00</b> | 1             |            |                             |
| 16           | 0000 <b>018 801 10</b> | 1             |            |                             |
| 17           | 0000 <b>505 606 00</b> | 1             |            | 3 x 18 EN 28725             |
| 18           | 0000 <b>503 656 00</b> | 2             |            | 6                           |
| 19           | 0000 <b>052 069 10</b> | 1             |            |                             |
| 20           | 0000 <b>050 640 10</b> | 1             |            | M6 „links“                  |
| 21           | 0000 <b>504 467 00</b> | 1             |            | M 6 DIN 934 - 8 A3C „links“ |
| 22           | 0000 <b>050 946 00</b> | 1             |            | M6 „links“                  |
| 23           | 0000 <b>501 444 00</b> | 1             |            | M 6 DIN 934 - 8 A3C         |
| 24           | 0000 <b>052 707 00</b> | 0... 1        |            | 12V                         |
| 25           | 0000 <b>052 708 00</b> | 0... 1        |            | 24V                         |
| 26           | 0000 <b>015 169 20</b> | 1             |            |                             |
| 27           | 0000 <b>501 499 00</b> | 2             |            |                             |
| 28           | 0000 <b>501 356 00</b> | 2             |            | M10 x 30 DIN 933-8.8 A3C    |
| 29           | 0000 <b>501 907 00</b> | 1             |            | 10 DIN 128 A3C              |
| 30           | 0000 <b>015 172 20</b> | 1             |            |                             |
| 31           | 0000 <b>503 837 00</b> | 2             |            | M 6 x 55 DIN 931-8.8 A3C    |
| 32           | 0000 <b>501 709 00</b> | 2             |            | 6 DIN 128 - A3C             |
| 33           | 0000 <b>050 012 00</b> | 1             |            |                             |
| 34           | 0000 <b>501 459 00</b> | 4             |            | 10,5 DIN 125-St A3C         |

# Z17a

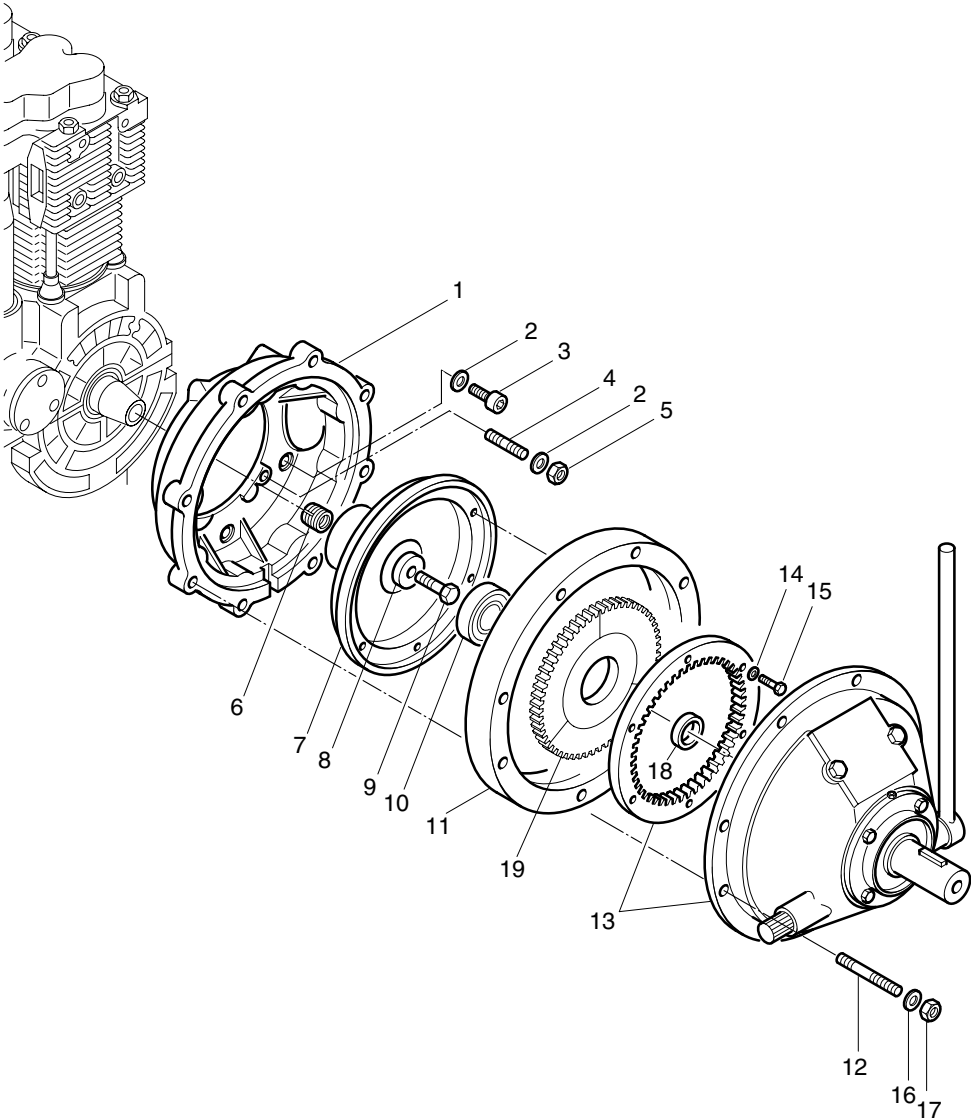
Stubshaft, flexible coupling  
Wellenstummel, elastische Kupplung  
Bout de arbre, accouplement elastic  
Eje, acoplamiento elastico  
Contralbero, giunto elastico



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|------------------------|---------------|------------|---------------------------|
| <b>2G40</b>  |                        |               |            |                           |
| 1            | 0000 <b>039 309 00</b> | 1             |            | ø 70mm                    |
| 2            | 0000 <b>502 085 00</b> | 4             |            | 8 DIN 128 A3C             |
| 3            | 0000 <b>501 715 00</b> | 4             |            | M 8 X 25 DIN 912-8.8 A3C  |
| 4            | 0000 <b>503 451 00</b> | 1             |            | 48 FLE-PA                 |
| 5            | 0000 <b>500 540 00</b> | 4             |            | M10 X 25 DIN 6912-8.8     |
| 6            | 0000 <b>503 339 00</b> | 1             |            | M10 - M 18 x 1,5          |
| 7            | 0000 <b>039 465 00</b> | 1             |            |                           |
| 8            | 0000 <b>039 289 10</b> | 1             |            | 11 x 37,5 x 9             |
| 9            | 0000 <b>500 296 00</b> | 1             |            | M 10 x 45 DIN 933-8.8 A3C |
| 10           | 0000 <b>031 150 00</b> | 1             |            |                           |
| 11           | 0000 <b>500 029 00</b> | 4             |            | A 10 DIN 128              |
| 12           | 0000 <b>500 538 00</b> | 4             |            | M10 X 25 DIN 912-8.8      |
| 13           | 0000 <b>500 616 01</b> | 6             |            | VHZ 12                    |
| 14           | 0000 <b>030 790 00</b> | 6             |            | 20,3 x 26,9 x 4           |
| 15           | 0000 <b>031 510 00</b> | 6             |            |                           |
| 16           | 0000 <b>030 469 00</b> | 6             |            |                           |
| 17           | 0000 <b>500 046 00</b> | 1             |            | M 8 X 16 DIN 916-45H A3C  |
| 18           | 0000 <b>030 405 00</b> | 1             |            | 12 H 7                    |
| 19           | 0000 <b>030 273 00</b> | 1             |            | 30 x 110                  |
| 20           | 0000 <b>500 117 00</b> | 1             |            | A 8 x 7 x 63 DIN 6885     |
| 21           | 0000 <b>500 029 00</b> | 4             |            | A 10 DIN 128              |
| 22           | 0000 <b>500 538 00</b> | 4             |            | M10 X 25 DIN 912-8.8      |
| 23           | 0000 <b>039 336 10</b> | 1             |            |                           |
| 24           | 0000 <b>501 460 00</b> | 1             |            | 10 DIN 7980 Zn            |
| 25           | 0000 <b>501 205 00</b> | 1             |            | M10 X100 DIN 912-8.8      |

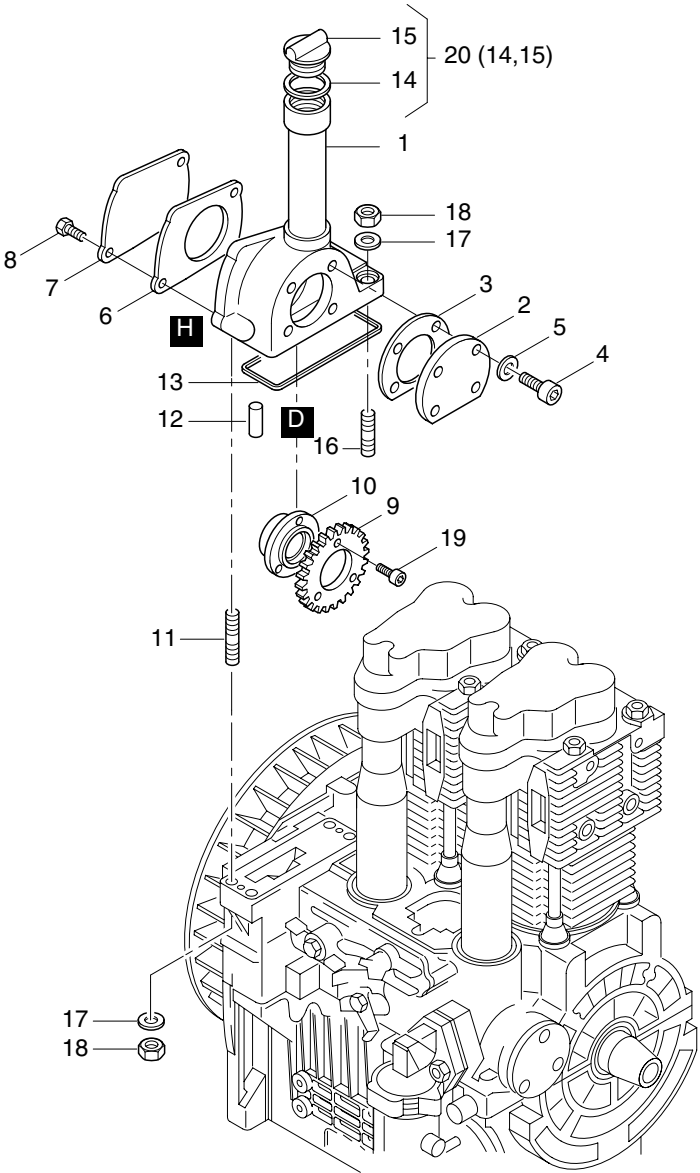
Z17b

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



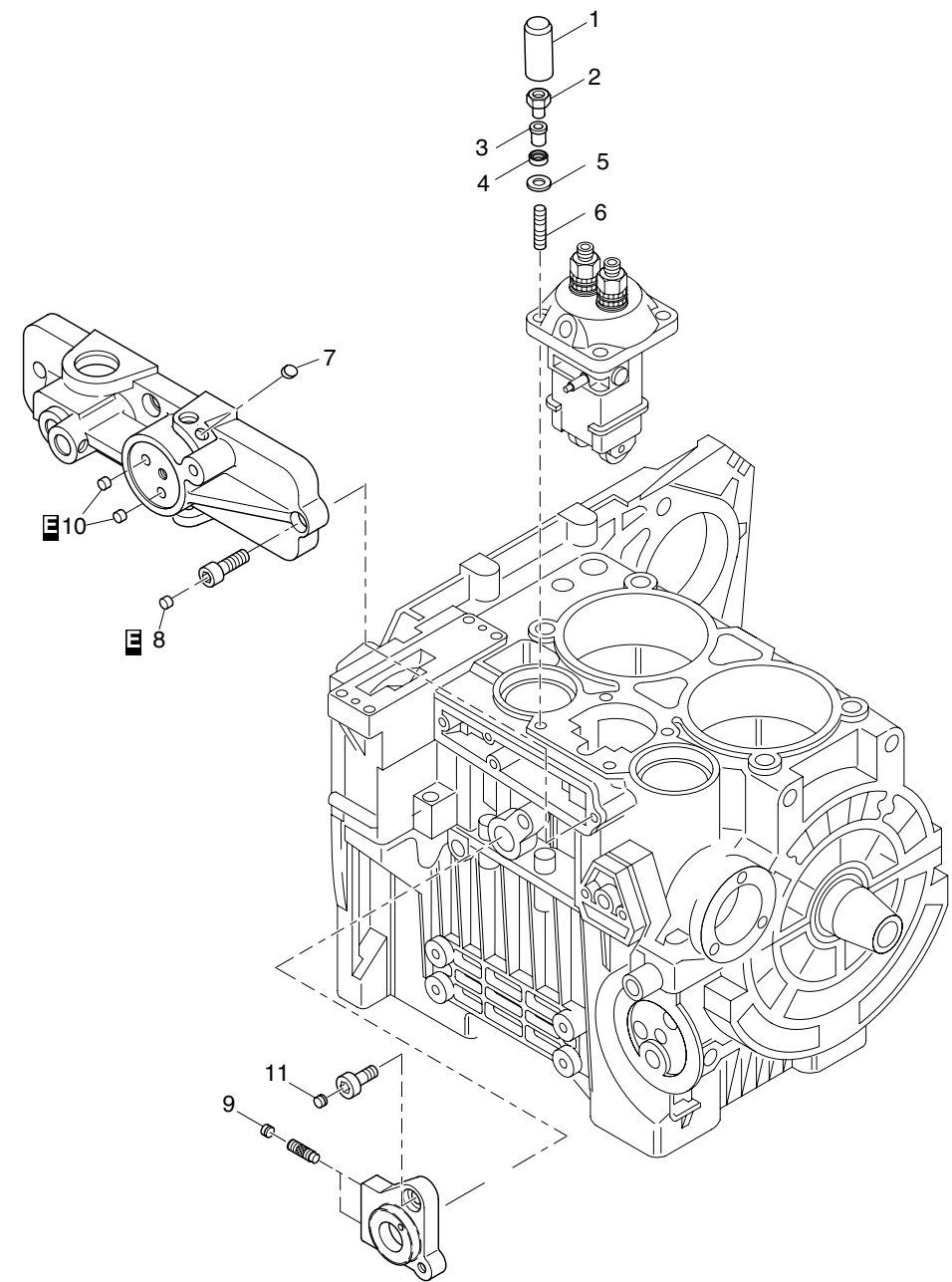
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|---------------|------------|---------------------------|
|              |                   | 2640          |            |                           |
| 1            | 0000 502 954 00   | 1             |            | SAE 5                     |
| 2            | 0000 501 459 00   | 9             |            | 10,5 DIN 125-St A3C       |
| 3            | 0000 503 278 00   | 5             |            | M10 X 35 DIN 912-8.8 A3C  |
| 4            | 0000 500 404 00   | 4             |            | M 10 x 25 DIN 835-8.8     |
| 5            | 0000 501 458 00   | 4             |            | M10 DIN 934-8 A3C         |
| 6            | 0000 503 339 00   | 1             |            | M10 - M 18 x 1,5          |
| 7            | 0000 039 474 00   | 1             |            |                           |
| 8            | 0000 039 289 10   | 1             |            | 11 x 37,5 x 9             |
| 9            | 0000 500 296 00   | 1             |            | M 10 x 45 DIN 933-8.8 A3C |
| 10           | 0000 501 142 00   | 1             |            | 6305 2RS DIN 625          |
| 11           | 0000 036 803 10   | 1             |            |                           |
| 12           | 0000 501 453 00   | 8             |            | M 10 x 65 DIN 835-8.8 A3C |
| 13           | 0000 503 493 00   | 1             |            | BD 110/15                 |
| 14           | 0000 500 028 00   | 6             |            | 8 DIN 128                 |
| 15           | 0000 500 273 00   | 6             |            | M 8 x 30 DIN 933-8.8      |
| 16           | 0000 501 356 00   | 8             |            | 10 DIN 128 A3C            |
| 17           | 0000 501 458 00   | 8             |            | M10 DIN 934-8 A3C         |
| 18           | 0000 052 959 00   | 1             |            | 25,2 x 35 x 6             |
| 19           | 0000 490 658 00   | 1             |            |                           |

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



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------------|-----------------------------|
|              |                   | 2640          |            |                             |
| 1            | 0000 011 256 02   | 1             |            |                             |
| 2            | 0000 039 088 00   | 1             |            |                             |
| 3            | 0000 039 089 00   | 1             |            |                             |
| 4            | 0000 503 238 00   | 4             |            | M 6 x 16 DIN 6912-8.8 A3C   |
| 5            | 0000 500 008 00   | 4             |            | A 6,5 x 9,5 DIN 7603-Cu     |
| 6            | 0000 039 161 00   | 1             |            |                             |
| 7            | 0000 039 087 00   | 1             |            |                             |
| 8            | 0000 500 922 00   | 2             |            | M 10 x 16 DIN 933-8.8 A3C   |
| 9            | 0000 039 143 10   | 1             |            |                             |
| 10           | 0000 039 086 00   | 1             |            |                             |
| 11           | 0000 502 319 00   | 2             |            | M 8 x 25 DIN 835-8.8 A3C    |
| 12           | 0000 502 905 00   | 2             |            | 6 M6 X 14 DIN 7-9S20K       |
| 13           | 0000 503 235 00   | 1             | D1         |                             |
| 14           | 0000 041 250 00   | 1             | D1         | 26 x 35 x3                  |
| 15           | -----             | -             |            |                             |
| 16           | 0000 501 281 00   | 2             |            | M 8 x 30 DIN 835 - 10.9 A3C |
| 17           | 0000 037 888 00   | 4             |            | 8,4 x 15 x 2                |
| 18           | 0000 503 353 00   | 4             |            | M 8 SW 12 A3C               |
| 19           | 0000 500 507 00   | 3             |            | M 6 x 16 DIN 912-8.8        |
| 20           | 0000 016 131 00   | 1             | W1         |                             |

Tamper-proof parts  
Bauteilsicherung  
Kit plombage  
Juego de precintar  
Kit sigilli



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|------------|----------------------|
| 2G40         |                   |               |            |                      |
| 1            | 0000 041 270 00   | 1             |            |                      |
| 2            | 0000 041 268 00   | 1             |            |                      |
| 3            | 0000 041 297 00   | 1             |            |                      |
| 4            | 0000 041 342 00   | 1             |            |                      |
| 5            | 0000 041 876 00   | 1             |            |                      |
| 6            | 0000 501 281 00   | 1             |            |                      |
| 7            | 0000 500 433 00   | 1             |            |                      |
| 8            | 0000 052 284 00   | 2             |            |                      |
| 9            | 0000 503 009 00   | 1             |            |                      |
| 10           | 0000 052 304 00   | 2             |            |                      |
| 11           | 0000 051 872 00   | 1             |            |                      |

M 8 - SW 13  
8,1 x 15 x 5  
M 8 x 30 DIN 835 - 10.9 A3C  
8 DIN 470  
Ø 5,0  
6x6  
4,4  
6x6,15



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

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

|     |             |                                        |                                        |                                   |
|-----|-------------|----------------------------------------|----------------------------------------|-----------------------------------|
| E   | Spain       | 08038 Barcelona                        | Comercial Aim, S.L.                    | +34 - 93 - 3393250                |
| E   | Spain       | 15008 A Coruña                         | Talleres Hércules                      | +34 - 981 - 261650 / 252935       |
| E   | Spain       | 17469 Fortià (Girona)                  | Mauricio Xatart Tell                   | +34 - 972 - 534088                |
| E   | Spain       | 18080 Granada                          | Comercial Peña Torres                  | +34 - 958 - 816600                |
| E   | Spain       | 18200 Maracena                         | Talleres Soriano                       | +34 - 958 - 410689                |
| E   | Spain       | 23009 Jaén                             | Comercial Peña Torres, S.A.            | +34 - 953 - 28 05 77              |
| E   | Spain       | 28942 Fuenlabrada (Madrid)             | Austral Reparaciones y Servicios, S.L. | 91 691 80 29                      |
| E   | Spain       | 29004 Málaga                           | Comercial Peña Torres                  | +34 - 952 - 17 70 72              |
| E   | Spain       | 30500 Molina de Segura                 | Campos López                           | +34 - 968 - 386248                |
| E   | Spain       | 31192 Mutilva Alta                     | Maquinaria y Servicios ECA             | +34 - 948 - 24 10 17              |
| E   | Spain       | 35008 El Sebadal                       | Fuendor                                | +34 - 928 - 46 53 06              |
| E   | Spain       | 38320 Taco                             | Fuendor (Repuestos)                    | +34 - 922 - 65 54 50              |
| E   | Spain       | 38350 Tacoronte                        | Lujor Maquinaria S.L.                  | +34 - 922 - 10 10 41              |
| E   | Spain       | 41007 Sevilla                          | Repuestos Corres                       | +34 - 954 361866                  |
| E   | Spain       | 43206 Reus (Tarragona)                 | Tractomecanic Maquinaria S.L.          | +34 - 977 - 314923                |
| E   | Spain       | 45600 Talavera de la Reina             | Talleres Mendez                        | 925 80 13 97                      |
| E   | Spain       | 46469 Beniparell (Valencia)            | Talleres Rimi                          | +34 - 96 - 1 21 70 91             |
| E   | Spain       | 47193 La Cisterniga                    | Zafara                                 | +34 - 983 - 476851 / 225620       |
| E   | Spain       | 50016 Zaragoza                         | Loma e Hijos, S.L.                     | +34 - 976 - 575177 / 570809       |
| E   | Spain       | 50171 La Puebla de Alfindén (Zaragoza) | Motores HATZ Espana S.L.U.             | +34 - 976 - 10 81 28              |
| EAK | Kenya       | 00100 Nairobi                          | First Machineries Ltd.                 | +254 - 20 - 55 77 86              |
| EC  | Ecuador     | Guayaquil                              | HYDRAPNE S. A.                         | +593(4)2326339                    |
| ES  | El Salvador | San Salvador                           | TEMSA                                  | +503 - 2239 8600                  |
| ET  | Egypt       | 11331 Cairo                            | Market Leaders                         | +20 - 22 - 4 53 07 63, 4 53 09 17 |
| ETH | Ethiopia    | 94099 RUHSTORF                         | MOTORENFABRIK HATZ GMBH & CO.KG        | +49 8531 319 425                  |
| EW  | Estonia     | 11612 Tallinn                          | Estmotor Oü                            | +372 - 6 52 65 95                 |
| F   | France      | 13852 AIX-EN-PROVENCE                  | I.M.F.                                 | +33 4 - 42 90 30 65               |
| F   | France      | 14123 IFS                              | BOUVET SARL                            | +33 - 2 - 31 52 01 47             |
| F   | France      | 14123 IFS                              | BOUVET SARL                            | +33 2 - 31 52 01 47               |
| F   | France      | 19360 Malemort                         | SGR Maintenance                        | +33 - 5 - 55 86 91 91             |
| F   | France      | 19360 Malemort                         | SGR MAINTENANCE                        | +33 5 - 55 86 91 91               |
| F   | France      | 21560 ARC SUR TILLE                    | Garage REMILLET                        | +33 3 - 80 37 24 52               |
| F   | France      | 25410 Saint-Vit                        | DEPANN'TP                              | +33 3 - 81 87 61 10               |
| F   | France      | 27002 EVREUX Cedex                     | DEMOLIN                                | +33 2 - 32 39 07 22               |
| F   | France      | 31300 TOULOUSE                         | MIDI-DIESEL                            | +33 - 5 - 61 42 80 11             |
| F   | France      | 31300 TOULOUSE                         | MIDI-DIESEL                            | +33 5 - 61 42 80 11               |
| F   | France      | 33704 MERIGNAC                         | LAPORTE                                | +33 - 5 - 56 34 20 26             |
| F   | France      | 33704 MERIGNAC                         | LAPORTE                                | +33 - 5 - 56 34 44 29             |
| F   | France      | 33704 MERIGNAC                         | LAPORTE                                | +33 5 - 56 34 20 26               |
| F   | France      | 34671 BAILLARGUES Cedex 01             | L.M.S. (Languedoc Matériel Service)    | +33 4 - 67 91 29 39               |
| F   | France      | 37170 CHAMBRAY-LES-TOURS               | Perron & Gay                           | +33 - 2 - 47 28 94 94             |
| F   | France      | 37170 CHAMBRAY-LES-TOURS               | Perron & Gay                           | +33 2 - 47 28 94 94               |
| F   | France      | 37170 Chambray-Les-Tours               | Perron & Gay                           | +33 6-70-30-73-68                 |
| F   | France      | 37170 CHAMBRAY-LES-TOURS               | Perron & Gay                           | 02-47-28-94-94                    |
| F   | France      | 52901 Chaumont                         | Chaumont Poids Lourds                  | +33 3-25-71-47-47                 |
| F   | France      | 52901 Chaumont Cedex 9                 | Chaumont Poids Lourds                  | +33 3 - 25 71 47 47               |

|       |               |                                                   |                               |                        |
|-------|---------------|---------------------------------------------------|-------------------------------|------------------------|
| F     | France        | 52901 Chaumont Cedex 9                            | Chaumont Poids Lourds         | +33 3 25 71 47 47      |
| F     | France        | 56402 AURAY Cedex                                 | PENQUEST                      | +33 - 2 - 97 24 16 59  |
| F     | France        | 59167 LALLAING                                    | COMOTEQ                       | +33 - 3 - 27 99 35 23  |
| F     | France        | 67300 Schiltigheim                                | ALSIA SA                      | +33 - 3 - 88 33 05 95  |
| F     | France        | 69684 Chassieu Cedex                              | HATZ-France                   | +33 - 4 - 78 90 73 25  |
| F     | France        | 76800 SAINTETIENNE DU ROUVRAY                     | MORISSE-NAYRAT MOTORS         | 02-32-95-91-63         |
| F     | France        | 78160 Le Perray en Yvelines                       | SUD-MAT SAS                   | +33 - 1 - 34 57 85 00  |
| F     | France        | 78310 Le Perray en Yvelines                       | SUD-MAT S.A.S.                | +33 - 1 - 34 57 85 00  |
| F     | France        | 78310 Le Perray-en-Yvelines                       | SUD-MAT S.A.S.                | +33 - 1 - 34 57 85 00  |
| F     | France        | 78310 Le Perray-en-Yvelines LE PERRAY-EN-YVELINES | SUD-MAT S.A.S.                | +33 - 1 - 34 57        |
| 85 00 |               |                                                   |                               |                        |
| F     | France        | 78703 CONFLANS-STE-HONORINE                       | DIESEL MARINE                 | +33 - 1 - 39 72 68 83  |
| F     | France        | 94290 VILLENEUVE LE ROI                           | S.F.2.A                       | +33 - 1 - 49 61 30 90  |
| FIN   | Finland       | 01390 Vantaa                                      | Finmotor Oy                   | +358 - 9 - 8 70 09 70  |
| FJI   | Fiji          | 2164 Smithfield NSW                               | HATZ Australia Pty. Ltd.      | +61 - 2 - 8788 7999    |
| G     | Gabon         | Libreville                                        | MIAG                          | +241 5 724435          |
| GB    | Great Britain | BL4 OLS Bolton                                    | Seddons Plant                 | +44 - 1204 - 85 46 00  |
| GB    | Great Britain | BS20 7XE Bristol                                  | Rollo UK                      | +44 1275 377800        |
| GB    | Great Britain | CF24 5EL Cardiff                                  | CPS (European) Ltd.           | +44 2920 453194        |
| GB    | Great Britain | CM9 5FA Essex                                     | Taylor Construction Plant Ltd | +44 (0)1621 850777     |
| GB    | Great Britain | CV21 1PB Warkwickshire                            | BrownPower Eng Ltd            | +44 - 1788 - 57 75 75  |
| GB    | Great Britain | CV21 3RQ Warks                                    | Seddons Plant Ltd             | +44 (0)1788 577575     |
| GB    | Great Britain | EX15 2AU Devon                                    | Taylor Construction Plant Ltd | +44 (0)1884 266815     |
| GB    | Great Britain | FK16 6AU Perthshire                               | Young Plant & Equipment       | +44 - 1786 - 84 15 98  |
| GB    | Great Britain | GL17 0IA Gloucestershire                          | Titan Industrial Ltd          | +44 - 1452 - 83 18 21  |
| GB    | Great Britain | KT10 9AJ Surrey                                   | A&P Services (Surrey) Ltd     | +44 1372 468315        |
| GB    | Great Britain | LE10 3BP Hinckley, Leics.                         | HATZ Great Britain Ltd.       | +44 - 1455 - 62 21 01  |
| GB    | Great Britain | LN1 2LR Lincoln                                   | CG Plant Sales                | +44 - 1522 - 70 40 14  |
| GB    | Great Britain | LS12 5AJ Leeds                                    | Chippindale Plant Ltd         | +44 - 113 - 2 63 23 44 |
| GB    | Great Britain | LS12 6EP Leeds                                    | W.G. Search Ltd               | +44 - 1132 - 79 79 90  |
| GB    | Great Britain | LU5 6HF Dunstable                                 | Southern Plant Ltd.           | +44 845 304 0001       |
| GB    | Great Britain | ME20 6SE Kent                                     | Leach Lewis Plant Ltd.        | +44 1622 718118        |
| GB    | Great Britain | NE4 7AX Newcastle                                 | John Nixon Ltd.               | +44 - 191 - 2 26 06 66 |
| GB    | Great Britain | NN11 8QJ Northants                                | Bryco Group Ltd.              | +44 - 1327 - 87 61 66  |
| GB    | Great Britain | PL12 6LX Cornwall                                 | AB Services Ltd.              | +44 - 1752 - 84 88 20  |
| GB    | Great Britain | PO13 0FJ Hampshire                                | Meetens Industrial Engines    | +44 845 6340297        |
| GB    | Great Britain | PR4 QJA Lancashire                                | Meetens Industrial Engines    | 01772 691604           |
| GB    | Great Britain | RH19 2HU West Sussex                              | Hydraulic Plant Services Ltd. | +44 1343 327300        |
| GB    | Great Britain | SN8 2RN Wiltshire                                 | T.H. White                    | +44 - 1672 - 51 23 28  |
| GB    | Great Britain | ST4 3NX Stoke on Trent                            | Seddons Plant Ltd.            | +44 - 1782 - 59 34 44  |
| GB    | Great Britain | TN24 8DH Kent                                     | Lister Wilder Ltd             | +44 (0)1233 619290     |
| GB    | Great Britain | TO14 9AE Devon                                    | Sleeman & Hawken Ltd.         | +44 1626 778266        |
| GB    | Great Britain | TS18 2PF Stockton                                 | John Nixon Ltd.               | +44 - 1642 - 67 26 94  |
| GCA   | Guatemala     | Guatemala, Ciudad                                 | Técnico Mercantil TEMSAS.A.   | + 502 - 2334 3484      |
| GH    | Ghana         | Accra - North                                     | Agria Machinery               | +233 302 222 169       |
| GN    | Guinea        | Conakry                                           | IDRISSA DIOP                  | +224 30 47 80 80       |

|                 |            |                                          |                                          |                                    |
|-----------------|------------|------------------------------------------|------------------------------------------|------------------------------------|
| GR              | Greece     | 11853 Athens                             | MAVROGIANNAKIS S.A.                      | +30 210 3461762                    |
| GUA             | Guadeloupe | 97176 Abymes Cedex                       | Assistance 97 Guadeloupe                 | +590 - 590 47 09 90                |
| GUY             | Guyana     | 94099 Ruhstorf                           | Motorenfabrik Hatz GMBH & CO. KG         | +49 (0)8531 319 373                |
| H               | Hungary    | 1165 Budapest                            | Benaco                                   | +36 - 1 - 4 07 37 34               |
| HK              | Hong Kong  | Xiamen                                   | Motorenfabrik Hatz GmbH. & Co. KG.       | +86 - 592 - 520 45 -28/-38/-78     |
| HN              | Honduras   | 12101 Comayaguela - Tegucigalpa, D.C.    | Corporación Comercial, S.A. de C.V.      | +504 - 222 0576, +504-2237-5195    |
| HR              | Croatia    | 10000 Zagreb Hrvatska                    | Diesel Motori d.o.o.                     | +385 - 1 - 3 46 35 18, 3 46 26 69  |
| I               | Italy      | 00133 Roma                               | Eros Antonelli S.N.C.                    | +39 - 06 - 72 65 02 60             |
| I               | Italy      | 04014 Borgo Vodice (LT)                  | Dorati Luciano                           | +39 - 0773 - 85 01 09              |
| I               | Italy      | 05100 Terni                              | Lamperini Services                       | +39 - 0744 - 30 62 10              |
| I               | Italy      | 06061 Castiglione del Lago               | Della Giovampaola Danilo                 | +39 - 075 - 96 52 433              |
| I               | Italy      | 10138 Torino                             | Centro Ricambio                          | +39 - 011 - 4 55 11 81/ 4 55 12 11 |
| I               | Italy      | 12030 Faule (Cn)                         | Multidiesel di Barge Ilario              | +39 - 338 - 7 19 94 09             |
| I               | Italy      | 14056 Boglietto di Costigliole d'Asti AT | Barbero Andrea                           | +39 - 0141 - 96 82 93              |
| I               | Italy      | 16100 Genova                             | Bruzzone Enzo                            | +39 - 010 - 3 73 93 96             |
| I               | Italy      | 20090 CESANO BOSCONI - MILANO (MI)       | COMPAGNIA TECNICA MOTORI S.P.A.          |                                    |
| +39-02-45058255 |            |                                          |                                          |                                    |
| I               | Italy      | 21040 Origgio (VA)                       | C.M.R. s.n.c. di Bianchi Roberto & C.    | +39 - 02 - 96 73 20 62             |
| I               | Italy      | 22046 Erba CO                            | Miotto Luciano                           | +39 - 031 - 64 16 73               |
| I               | Italy      | 24050 Orio al Serio BG                   | Marconi & Caldara                        | +39 - 035 - 31 25 76 / 077 04 35   |
| I               | Italy      | 25021 Bagnolo Mella (Bs)                 | Officina Meccanica                       | +39 - 030 - 68 21 441              |
| I               | Italy      | 29017 Fiorenzuola d'Arda PC              | Arduini Luigi di Arduini Armando         | +39 - 0523 - 98 26 39              |
| I               | Italy      | 31057 Silea (Tv)                         | Trattoricambi sas                        | +39 - 0422 - 36 12 31              |
| I               | Italy      | 33010 Feletto Umberto Tavagnacco Ud.     | Ezio Fiorin Eredi di Alberto Fiorin & C. | +39 - 0432 - 57 30 76              |
| I               | Italy      | 33078 San Vito al Tagliamento (PN)       | Officina Venaruzzo Antonio               | +39 - 0434 - 87 63 77              |
| I               | Italy      | 34015 Muggia TS                          | Volpi Tecno Energia SRL                  | +39 - 040 - 23 17 15               |
| I               | Italy      | 35030 Vo                                 | Giuseppe Marcolongo                      | +39 - 049 - 9 94 06 76             |
| I               | Italy      | 36060 Romano d'Ezzelino (VI)             | Parolin Enzo                             | +39 - 0424 - 3 09 75               |
| I               | Italy      | 38010 S. Michele all'Adige TN            | Campese S.N.C.                           | +39 - 0461 - 65 01 69              |
| I               | Italy      | 39100 Bolzano                            | Officina D'Ambrosio                      | +39 - 0471 - 20 42 00              |
| I               | Italy      | 40060 Treviso Di Reno (BO)               | Venturoli Lauro                          | +39 - 051 - 70 02 41               |
| I               | Italy      | 40132 BOLOGNA (BO)                       | MARCHESI LUCIANO DI                      | +39-051 403599                     |
| I               | Italy      | 41030 BOMPORTO                           | HATZ ITALIA S.R.L. UNIPERSONALE          | +39 - 059 - 25 41 29               |
| I               | Italy      | 41126 Modena (MO)                        | Centro Ricambi                           | +39 - 059 - 82 62 14               |
| I               | Italy      | 43100 Parma                              | Arduini Franco e Figlio S.N.C.           | +39 - 0521 - 48 75 66              |
| I               | Italy      | 44043 Marzabotto BO                      | Lolli F.C.                               | +39 - 051 - 93 24 41               |
| I               | Italy      | 47023 Cesena (FO)                        | Domeniconi Egisto Romano & C. S.N.C.     | +39 - 0547 - 32 55 13              |
| I               | Italy      | 50013 S.Donnino - Campi Bisenzio (FI)    | Interdiesel S.r.l.                       | +39-055-7 32                       |
| 74 43           |            |                                          |                                          |                                    |
| I               | Italy      | 50053 Empoli (FI)                        | O.R.M.A. di Niccolai Dino e              | +39 - 0571 - 8 03 04               |
| I               | Italy      | 60035 Jesi AN                            | Cercaci Officina Meccanica               | +39 - 0731 - 20 50 46              |
| I               | Italy      | 66020 S. Giovanni Teatino (CH)           | CO. GAL. CO. S.R.L.                      | +39 - 085 - 44 600 55              |
| I               | Italy      | 70123 Bari                               | Morettauto S.R.L.                        | +39 - 080 - 50 585 60              |
| I               | Italy      | 71016 San Severo FG                      | Ianzano F. LLI Raffaele e Luigi          | +39 - 0882 - 33 14 18              |
| I               | Italy      | 73020 Martignano (LE)                    | Coriano Tommaso Officina Meccanica       | +39 - 0832 - 80 10 08              |
| I               | Italy      | 74015 Martina Franca (TA)                | CANNELLA DONATO                          | +39 380 3635452                    |

|     |              |                                     |                                                |                                    |
|-----|--------------|-------------------------------------|------------------------------------------------|------------------------------------|
| I   | Italy        | 80026 Casoria (NA)                  | MOVIMAC S.R.L.                                 | +39 - 081 - 7 59 42 76, 7 59 08 00 |
| I   | Italy        | 84069 Roccamare (SA)                | Siorza Marcello                                | +39 - 0828 - 94 18 34              |
| I   | Italy        | 85043 Latronico PZ                  | Falabella Egidio                               | +39 - 0973 - 85 81 41              |
| I   | Italy        | 88074 Crotone                       | R.A.I.M. S.A.S.                                | +39 - 0962 - 2 28 69               |
| I   | Italy        | 95131 Catania                       | Coco Gaetano di C. Mario e                     | +39 - 095 - 53 96 50               |
| I   | Italy        | 97100 Ragusa (RG)                   | Ricca S.R.L.                                   | +39 - 0932 - 66 74 00              |
| I   | Italy        | 98071 Capo d'Orlando ME             | Motagrind S.D.F. di Mangano & Scarvaci         | +39 - 0941 - 90 19 59              |
| IL  | Israel       | 81100 Yavne, Israel                 | Shatal Engineering Ltd.                        | +972 - 8 - 9 32 02 20              |
| IND | India        | 110008 New Delhi                    | SKL (India) Pvt. Ltd.                          | +91 - 11 - 25896075                |
| IND | India        | 400072 Mumbai                       | SKL (India) Pvt. Ltd.                          | +91 - 22 - 28 47 66 49             |
| IQ  |              | 94099 Ruhstorf                      | Motorenfabrik Hatz GmbH & Co.KG                | +49 8531 319 306                   |
| IR  | Iran         | Eheran                              | Mr. B. Amyari                                  | +98 - 9123152982                   |
| IRL | Ireland      | BT36 4BX Mullusk                    | T.B.F. Thompson                                | +44 - 2890 - 84 83 71              |
| IRL | Ireland      | BT51 5JZ Coleraine                  | T.B.F. Thompson                                | +44 - 28 - 29 55 83 53             |
| IRL | Ireland      | Dublin 22                           | D.E. Power Solutions                           | +353 4018844                       |
| IS  | Iceland      | 110 Reykjavik                       | Tækjasalan ehf.                                | +35-4-5672520                      |
| J   | Japan        | 103-0023 Tokyo                      | Tominaga & Co., Ltd                            | +81 - 3 - 36 39 - 53 11            |
| JOR | Jordan       | 11118 Amman                         | Al Ghanem                                      | +962 - 6 - 4 39 51 55              |
| KAZ | Kazakhstan   | 007018 Ust-Kamenogorsk              | EngineService                                  |                                    |
| KAZ | Kazakhstan   | 010000 Astana                       | EngineService                                  | +7(7172) 73 80 73                  |
| KAZ | Kazakhstan   | 050052 Almaty                       | Engine Service                                 | +7 - 727 - 3 41 01 10              |
| KAZ | Kazakhstan   | 050062 Almaty                       | EngineService                                  | +7 (727) 321-83-31                 |
| KH  |              | 768441 SINGAPORE                    | Please contact                                 |                                    |
| KSA | Saudi Arabia | 21462 Jeddah                        | Electrical Work & Maintenance                  | +966 - 2 - 6 91 66 55              |
| KWT | Kuwait       | Kuwait                              | Sabah International                            | +965 - 4 81 82 43                  |
| LT  | Lithuania    | 52367 Kaunas                        | PLLC MASTERMANN                                | +370 - 37 - 45 31 55               |
| LU  |              | 3090 OVERIJSE                       | BIA NV/SA                                      | +32(0)2 689 28 11                  |
| LV  | Latvia       | 1035 Riga                           | KONO Ltd.                                      | +371 - 67 - 14 94 25               |
| MA  | Morocco      | MA-Casablanca                       | SONACOM                                        | +212 - 5 - 22 24 97 00             |
| MAL | Malaysia     | 47100 Puchong                       | Autorex Engineering & Trading                  | +603 - 80 61 06 68                 |
| MAT | Martinique   | 97232 Le Lamentin                   | Assistance 97                                  | +596 - 5 96 50 30 00               |
| MAW | Malawi       | 3 Blantyre                          | Engineering and Foundry                        | +2651 - 671241/672028              |
| MEX | Mexico       | 53186-1153 WAUKESHA                 | HATZ DIESEL OF AMERICA INC.                    | +1 262 544 0254                    |
| MEX | Mexico       | C.P. 66477 San Nicolás de los Garza | Maqro, S.A. DE CV.                             | 011 52 81 31 20 00                 |
| MM  |              | 11041 Yangon                        | SINGTECH GLOBAL ENGINEERING & TRADING CO., LTD | +95 954 14                         |
| 873 |              |                                     |                                                |                                    |
| MOC | Mozambique   | Maputo                              | ABC Trading Lda.                               | +258 - 21 - 30 92 79               |
| MV  | Maldives     | Male                                | MA Services Pvt. Ltd.                          | +960 - 3 31 09 35                  |
| N   | Norway       | 5962 Bjordal                        | Østerbø Maskin AS                              | +47 - 48161718                     |
| NAM | Namibia      | Windhoek                            | ConServ Engineering Services C.C.              | +264 - 61 - 23 63 36               |
| NL  | Netherlands  | 3311 JC Dordrecht                   | Machiniefabriek Dolderman BV                   | +31 - 78 - 6 13 82 77              |
| NL  | Netherlands  | 4104 AE Culemborg                   | HATZ Nederland BV                              | +31 - 345 - 47 00 40               |
| NL  | Netherlands  | 8013 NE Zwolle                      | Janal Engineering BV                           | +31 - 38 - 4 60 22 00              |
| NL  | Netherlands  | 9301 ZV Roden                       | Ausma Motorenrevisie B.V.                      | +31 - 50 - 5 01 60 28              |
| NZ  | New Zealand  | Auckland, New Zealand               | Youngman, Richardson and Co. Ltd.              | +64 - 9 - 4 43 24 36               |
| OM  | Oman         | Al-Mawaleh South, Al-Seeb           | INMA CO. OMAN LLC                              | 00968 24552455                     |

|     |              |                                  |                                             |                                      |
|-----|--------------|----------------------------------|---------------------------------------------|--------------------------------------|
| P   | Portugal     | 2130-111 Benavente - Lisboa      | Pinto & Cruz – Motores e Equipamentos, S.A. | +351 21 7 11 21 00                   |
| P   | Portugal     | 4100-801 Porto Codex             | Pinto & Cruz - Motores e Equipamentos S.A.  | +351/707 225 500                     |
| PA  | Panama       | Panamá 5                         | Dimar, S.A.                                 | +507 - 2 29 14 44                    |
| PE  | Peru         | Lima 03                          | Or Maquinarias S.A.C.                       | +51 – 1 – 479/8170, 8265             |
| PL  | Poland       | 03-046 Warszawa                  | Full Sp. Z o.o.                             | +48 - 22 - 8 19 40 40                |
| PL  | Poland       | 41-803 Zabrze                    | Wobis                                       | +48 - 32 - 2 75 32 26                |
| PL  | Poland       | 55-010 Zerniki Wroclawskieawskie | Maszyzny Budowlane "JAS"                    | +48 - 89 - 5 34 59 74                |
| PL  | Poland       | 84-122 Zelaznowo                 | E.M.A. Hochschulz S.C.                      | +48 - 58 - 6 73 60 80                |
| PL  | Poland       | 85-549 Bydgoszcz                 | Technet S.C.                                | +48 - 52 - 3 70 70 90                |
| PL  | Poland       | 95-002 Smardzew                  | Broker - Servis                             | +48 - 42 - 7177868; 7177883; 7177895 |
| PNG | Papua New G. | 2164 Smithfield NSW              | please contact:                             | +61 - 2 - 8788 7999                  |
| PRY |              | FERNANDO DE LA MORA              | BALLASCH INTERNACIONAL SACI                 | +595 21 674 031/2                    |
| Q   | Qatar        | Doha                             | INMA Company - Qatar L.L.C.                 | +974 - 4 - 43 00 88                  |
| RA  | Argentina    | S 2252 BMR Galvez (Santa Fé)     | Bounous Hnos S.A.                           | +54 - 3404 - 48 16 10                |
| RB  | Botswana     | Gaborone                         | Orbit Pumps (Botswana) (Pty.) Ltd.          | +267 - 397 49 26                     |
| RB  | Botswana     | Gaborone                         | Franklin Electric                           | +00 267 397 4926                     |
| RC  | Taiwan       | 768441 Singapore                 | EquipSource Pte Ltd                         | +65 - 67 59 22 96                    |
| RCB | Congo        | 3689 Kinshasa-Gombe              | Bureau Technique BIA sprl                   | +243 - 81 - 1 60 23 95               |
| RCH | Chile        | Santiago                         | Tecnica de Maquinarias Ltda.                | +56 - 22 - 7 82 92 75                |
| REU | Réunion      | 94099 RUHSTORF                   | MOTORENFABRIK HATZ GMBH & CO.KG             | +49 8531 319 425                     |
| RI  | Indonesia    | 50141 Semarang                   | PT URIP GUMULYA                             | +62 024 762 1195                     |
| RIM | Mauritania   | Nouakchott                       | SODEQ S.A.                                  | +222 - 5 25 47 30                    |
| RL  | Lebanon      | 1102-2070 Beirut                 | Nagib Baki & Sons                           | +961 - 1 - 36 52 62                  |
| RM  | Madagascar   | Tananarive                       | Société Ameca                               | +261 - 20 - 2 22 30 16               |
| RMM | Mali         | Bamako                           | Dupé S.A.                                   | +223 - 20 21 52 30                   |
| RO  | Romania      | 012051 Bucharest                 | Fland Gruppe srl.                           | +40 - 21 - 3 36 11 30/ -50           |
| ROK | Korea        | 150-972 Seoul-Youngdeungpo-Gu    | U-YOUNG INDUSTRIAL CO.LTD.                  | +82 2 549 0611                       |
| ROU | Uruguay      | 12900 Montevideo                 | Bromberg y Cia. S.A.                        | +598 - 2 - 3 55 77 70                |
| RP  | Philippines  | Quezon City                      | M & W Distributing Co. Inc.                 | +63 - 2 - 3 71 19 36                 |
| RS  | Serbia       | 11120 Beograd                    | IWE d.o.o.                                  | +381 - 11 2 76 65 65                 |
| RT  | Togo         | 94099 RUHSTORF                   | MOTORENFABRIK HATZ GMBH & CO.KG             | +49 8531 319 425                     |
| RU  | Burundi      | Bujumbura                        | Metalubia                                   | +257 - 22 - 23 30                    |
| RUS | Russia       | 129336 Moscow                    | Stend Ltd.                                  | +7 - 495 - 4 74 60 31                |
| RUS | Russia       | 193315 Sankt-Petersburg          | MKSM-Servis Spb                             | +7 - 812 - 309 03 80                 |
| RUS | Russia       | 346405 Nowotscherkassk           | AUTOENERGIESYSTEME                          | +7 - 8635 - 23 42 91                 |
| RUS | Russia       | 390028 Ryazan                    | PromDizel Limited Corp.                     | +7 - 4912 -33 24 45                  |
| RUS | Russia       | 414040 Astrakhan                 | AstraDieselService                          | +7 (8512) 31-75-35, 31-75-45         |
| RUS | Russia       | 600026 Vladimir                  | EuroDiesel-Rus Ltd.                         | (4922) 37-60-45                      |
| RUS | Russia       | 628404 Surgut                    | MKSM - Servis Surgut                        | +7 - 3462 - 67 33 06                 |
| RUS | Russia       | 640007 Kurgan                    | Ural-Hatz-Diesel                            | +7 - 3522 - 54 54 50                 |
| S   | Sweden       | 13650 Haninge                    | Swedmotor AB                                | +46 - 8 - 50 01 21 40                |
| S   | Sweden       | 23841 Oxie                       | Limhamns Industriservice AB                 | +46 - 040 306102                     |
| S   | Sweden       | 393 65 Kalmar                    | Maskinteknik i Kalmar AB                    | +46 0480 478850                      |
| S   | Sweden       | 417 55 Göteborg                  | Blombergs Diesel & Motor AB                 | +46 031 221220                       |
| S   | Sweden       | 574 35 Vetlanda                  | Höglandets Maskin Skog Entreprenad AB       | +46 0383 763034                      |
| S   | Sweden       | 59017 Mantorp                    | Allservice Mantorp                          | +46 - 070 5954300                    |

|     |                   |                               |                                            |                                     |
|-----|-------------------|-------------------------------|--------------------------------------------|-------------------------------------|
| S   | Sweden            | 623 77 Klintehamn             | Cedergrens Mek. Verkstad AB                | +46 0498 241720                     |
| S   | Sweden            | 77497 Fors                    | Tekzone AB                                 | +46 070 6282277                     |
| S   | Sweden            | 782 75 Malungsfors            | Reijo maskinservice AB                     | +46 0280 40328                      |
| S   | Sweden            | 836 94 As                     | Nordisk teknik AB                          | +46 070 3105070                     |
| S   | Sweden            | 863 33 Sundsbruk              | Matfors Truck service AB                   | +46 070 5702524                     |
| S   | Sweden            | 922 31 Vindeln                | Vindelns maskinservice AB                  | +46 070 6077812                     |
| S   | Sweden            | 931 70 Skelleftea             | Skellettea El & Diesel AB                  | +46 0910 711111                     |
| S   | Sweden            | 942 36 Älvsbyn                | All Mecanservice AB                        | +46 0929 57012                      |
| S   | Sweden            | 98138 Kiruna                  | Wist Last & Buss Ab                        | +46 - 980/398400                    |
| S   | Sweden            | 98238 Gällivare               | Holmgrens Truck & Motor AB                 | +46 - 970 - 74540                   |
| SGP | Singapore         | 768441 Singapore              | EquipSource Pte Ltd                        | +65 - 67 59 22 96                   |
| SK  | Slavakia          | 91501 Nové Mesto n. Váhom     | RAMIRENT spol. s r.o.                      | +421 - 032 - 77 15 49 7             |
| SLO | Slovenia          | 2000 Maribor                  | VZDRZEVANJE NEJC, D.O.O.                   | +386 - 2 - 420 11 98                |
| SME | Suriname          | 94099 Ruhstorf                | Motorenfabrik Hatz GMBH & CO. KG           | +49 (0)8531 319 373                 |
| SN  | Senegal           | Dakar                         | MATFORCE                                   | +221 - 33 864 95 00                 |
| SYR | Syria             | - Damascus                    | Electromechanical Equipment                | +963 - 11 - 2 21 39 55 / 2 21 56 78 |
| TAH | Tahiti            | 98701 Arue                    | Ets. Dieumegard                            | +689 - 6 89 42 32 38                |
| THA | Thailand          | 768441 Singapore              | Please contact our agent in Singapore      | +65 - 67 59 22 96                   |
| TN  | Tunesia           | 1001 Tunis                    | S.I.A Ben Djemaa & Cie                     | +216 - 71 24 25 66                  |
| TN  | Tunesia           | 3000 Sfax                     | S.I.A Ben Djemaa & Cie                     | +216 - 74 40 84 09                  |
| TR  | Turkey            | 34852 Maltepe Istanbul Turkey | Efes Makina Sanayi ve dis Ticaret Ltd. STI | +90 - 216 - 3 67 35 75              |
| TT  | Trinidad and Tob. | San Fernando                  | Electro Diesel & Co. Ltd.                  | +1-868 657 8733                     |
| UA  | Ukraine           | 03313 Kiev                    | ERA - Engineering Remake Aggregate         | +380 - 44 - 5 99 16 44              |
| UAE | United Arab. Em.  | Dubai                         | INMA                                       | +971 - 4 - 2 85 72 72               |
| USA | United States     | 80010 Aurora                  | EC Power Systems                           | 303/360-7110                        |
| USA | United States     | 84120 Salt Lake City          | EC Power Systems                           | 801/886-1424                        |
| USA | United States     | Boise                         | EC Power Systems                           | 208/342-6541                        |
| USA | United States     | WI 53186-1153 Waukesha        | HATZ Diesel of America, Inc.               | +1 - 262-544-0254                   |
| UZB | Uzbekistan        | 100011 Tashkent               | Kartash Profservice                        | +998 - 7 11 203090                  |
| VN  | Vietnam           | Di An, Binh Duong             | DZI AN MANUFACTURING PLC                   | +84 90 877 8466                     |
| WAL | Sierra Leone      | Freetown                      | cerro automotive                           | +232 - 77 - 23 21 72                |
| WAN | Nigeria           | - Lagos                       | A1 Multi Services Limited                  | +234 803 7 123 006                  |
| YAR | Rep. of Yemen     | Sana'a                        | Al Mahtadi Sons Company Ltd.               | +967 1 22 25 29                     |
| YV  | Venezuela         | Caracas                       | Maquinarias Larraq, C.A.                   | +58- 212 - 9 44 16 31 / 9 44 56 29  |
| ZA  | South Africa      | 1609 Edenvale                 | Hatz Diesel (S.A.) Pty. Ltd.               | +27 - 11 - 5 74 09 00               |
| ZA  | South Africa      | Bloemfontein                  | CPR Maintenance CC                         | +27 - (0)51 - 4 47 96 18            |
| ZA  | South Africa      | Capetown                      | Compaction & Industrial Equipment C.C.     | +27 - (0)21 - 9 49 77 67            |
| ZA  | South Africa      | East London                   | Construction Equipment Supplies            | +27 (0)43 748 4077                  |
| ZA  | South Africa      | Port Elizabeth                | S & K Diesels cc                           | +27 - 41 - 5 83 37 80               |
| ZW  | Zimbabwe          | Harare                        | R & S Diesel Pro Services (PVT) Ltd.       | +263 - 4 44 78 69 / 90 / 99         |

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

**IMT-No.**

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|------------------|------------------|---------------|
| <b>2 G 40.10</b> | <b>2 G 40.11</b> | <b>89.495</b> |
| <b>2 G 40.11</b> | <b>2 G 40.12</b> | <b>94.535</b> |
| <b>2 G 40.12</b> | <b>2 G 40.13</b> | <b>98.571</b> |
| <b>2 G 40.13</b> | <b>2 G 40.14</b> | <b>00.597</b> |
| <b>2 G 40.14</b> | <b>2 G 40.15</b> | <b>01.612</b> |
| <b>2 G 40.15</b> | <b>2 G 40.16</b> | <b>02.625</b> |
| <b>2 G 40.16</b> | <b>2 G 40.17</b> | <b>03.628</b> |
| <b>2 G 40.17</b> | <b>2 G 40.18</b> | <b>04.639</b> |
| <b>2 G 40.18</b> | <b>2 G 40.19</b> | <b>05.642</b> |
| <b>2 G 40.19</b> | <b>2 G 40.20</b> | <b>06.657</b> |
| <b>2 G 40.20</b> | <b>2 G 40.21</b> | <b>07.673</b> |
| <b>2 G 40.21</b> | <b>2 G 40.22</b> | <b>13.712</b> |
| <b>2 G 40.22</b> | <b>2 G 40.23</b> | <b>16.722</b> |