

Workshop literature

**STILL
ELECTRONIC
DOCUMENTATION
SYSTEM**

Diesel/LPG forklift trucks

R70-16
R70-18
R70-20



CE

7094 7095 7096 7097 7098 7099

Ident no. 171121 - 10/2008 - EN

Edition 10/2008

- Version 1
- First issue
- This workshop manual includes only the function groups that differ technically from the previous model.
- All missing function groups are described in the workshop manual R70 (7052-7058, 7074-7079).

00 Product information

| | |
|----------------------------------|------|
| Foreword | 00-1 |
| About the R70 1.6 - 2.0t | 00-1 |
| Symbols Used | 00-1 |
| Safety instructions | 00-3 |
| Securing the fork carriage | 00-3 |

12 Internal combustion engine

| | |
|---|-------|
| Internal combustion engine | 12-1 |
| Engine unit | 12-1 |
| Diesel engine | 12-2 |
| SDI general technical data | 12-2 |
| VW - Diesel engine | 12-3 |
| Engine control unit ECU - two-part | 12-3 |
| 0B2 engine speed transmitter | 12-5 |
| 0B4 suction pipe pressure transmitter | 12-6 |
| 0B5 needle stroke transmitter | 12-8 |
| 9E13-16 engine glow plugs | 12-9 |
| Exchanging the toothed belt Diesel VW SDI - TDI | 12-11 |
| Toothed belt - wearing parts | 12-18 |
| LPG engine | 12-21 |
| LPG general technical data | 12-21 |
| VW LPG - 2.0 litre BEF | 12-23 |
| Engine control unit (ECU) | 12-23 |
| Electronic ignition system, overview | 12-24 |
| Replacing the toothed belt | 12-25 |
| Toothed belt - wearing parts | 12-30 |

13 Internal combustion engine - attachment parts

| | |
|---|------|
| Cooling system | 13-1 |
| Coolant | 13-1 |
| Coolant pump | 13-4 |
| 0B1 coolant temperature transmitter | 13-4 |
| Coolant regulator | 13-6 |
| Diesel fuel system | 13-8 |
| Fuel injection system | 13-8 |
| Fuel injection system - checking the voltage supply | 13-9 |

| | |
|---|--------------|
| Checking the injection timing | 13-10 |
| Injectors | 13-12 |
| Injection pump | 13-15 |
| 0B3 fuel temperature transmitter | 13-19 |
| 0B3 control valve travel transmitter | 13-21 |
| 0B3 fuel quantity actuator | 13-23 |
| 0Y1 fuel cutoff valve | 13-25 |
| 0Y2 valve for start of injection | 13-26 |
| LPG system | 13-29 |
| LPG system | 13-29 |
| Evaporator function - gas mixer | 13-31 |
| Suction module | 13-33 |
| 0B6 MAP/MAT sensor | 13-35 |
| Chassis module | 13-35 |
| Actuator unit | 13-37 |
| Gas shut-off valve unit | 13-38 |
| Shut-down due to lack of gas | 13-39 |
| Maintenance and inspection regulations | 13-40 |
| Servicing the LPG filter | 13-40 |
| Servicing the 30-bar excess pressure safety device | 13-41 |
| Testing CO level in exhaust gases | 13-42 |
| Evaporator - maintenance | 13-44 |
| Checking the evaporator for leaks | 13-47 |
| High-pressure relief valve - 1.7 bar | 13-49 |
| LPG cylinder/tank | 13-50 |
| LPG cylinder | 13-50 |
| 14 Internal combustion engine - exhaust system | |
| Exhaust system — LPG | 14-1 |
| Lambda control system | 14-1 |
| Lambda sensor | 14-2 |
| Three-way catalytic converter | 14-5 |
| 56 Display elements | |
| Display | 56-1 |
| Console - Operation | 56-1 |
| Programming mode | 56-5 |
| Password level 0 | 56-6 |

| | |
|--|-------|
| Password level 1 | 56-8 |
| Password level 2 | 56-12 |
| 60 Electrics / Electronics | |
| General | 60-1 |
| General technical data | 60-1 |
| Calibration R70 | 60-1 |
| Parameter management | 60-3 |
| Drive mode — driving behaviour Availability | 60-4 |
| Drive mode — driving behaviour Description | 60-5 |
| Electrical system | 60-7 |
| Current sensor | 60-7 |
| Fuse plate | 60-8 |
| Fuses | 60-9 |
| Relays | 60-10 |
| Battery and accessories | 60-12 |
| Starter battery | 60-12 |
| Traction and working hydraulics control | 60-15 |
| A4 control unit | 60-15 |

Thanks for your reading.

Please click here to download complete manual instantly.

And can also choose other manuals.

Feel free --->write to me with any questions.

Our service email:

manuals007@hotmail.com