

INSTALLATION INSTRUCTIONS

- (1)** Loosen motor cable to the hydraulic unit (3 Torx bolts)
- (2)** Loosen mounting bracket of the plug (2 Torx bolts)
- (3)** Unfasten the old electric motor (2 Torx bolts)
- (4)** Remove pins of the electric motor cable from the connector
(E - motor plus 11 Pin - red / yellow; E - Motor Ground Pin 8 - brown)
- (5)** Carefully pull e-motor out of the hydraulic unit
- (6)** Remove any dirt or rust from the housing and on the driver and lubricate with high performance grease
- (7)** Carefully fit motor 54111 on the hydraulic unit
- (8)** Tighten the two Torx bolts with 6 Nm
- (9)** Install the bracket (2 Torx screws)
- (10)** Pin in the motor cable into the connector
(E - motor plus 11 Pin - red / yellow; E - Motor Ground Pin 8-brown)
- (11)** After mounting the hydraulic unit, the system must be filled with about 0.45 liters of Burkhardt Engineering HIGH performance oil 54134 or Pentosin CHF 11S.
- (12)** Afterwards the system must be vented according to BMW instructions

SUPPORT

Thank you for choosing a product by Burkhardt Engineering.
For more information and to answer your questions please contact us.

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WARNINGS

Warnings are indicated in this manual by symbols. Always comply with warnings to prevent injury or damage.



DANGER

Danger zone for people to life and body



ATTENTION

Danger of property damage



NOTE

Refers to other passages of the Manual



INFORMATION

Additional Information

SAFETY NOTES

INSTALLATION AND COMMISSIONING

The spare motor 54111 for the SMG 2 may be installed only by qualified personnel.



Please see the instructions below to replace the electric motor safely and without risk to man and machine.



INTENDED USE

The electric motor delivered by Burkhart Engineering is approved for use specified area of Burkhart Engineering, i.e. the electric motor is exclusively designed for use in the hydraulic unit of SMG 2.



The replacement motor must only be operated in a in a properly vented system.

DISCONNECT POWER SUPPLY

Make sure the SMG system is disconnected from any power source and completely de-energized before you start working on the vehicle.

COMMISSIONING AFTER ASSEMBLY

Never run the e-motor before having properly installed it in the hydraulic unit of the SMG transmission.

GENERAL

DISCLAIMER

Compliance with these instructions and the conditions and methods of installation and use cannot be monitored by the manufacturer.



Structural modifications and incorrect installation contrary to these instructions may lead to serious injury and danger to health.

We take no responsibility or liability for losses, damages or costs arising from incorrect installation, improper operation and maintenance or any changes made without prior consultation with Burkhart Engineering. Generally, it must be ensured that all operative laws and regulations are observed and complied with.

DISPOSAL

The replacement motor is made of high-quality, recyclable materials and components. At the end of its lifetime it should be disposed separately from household waste . Please seek information from your municipal or city administration.