ROE 70936
Aufrüstsatz elektrische Fernanzeige
Upgrade kit electric remote indicator
Jeu de rééquipement pour témoin de contrôle électrique
Kit complementare elletrico per l’indicatore luminoso a distanza
ROE 70936
Upgrade kit electric remote indicator
for model series:
RO*500 G3, G4, G5, G6, G61, G65
RO*530, RO*560, RO*50 flex
RO*57, RO*57 flex

Safety instructions

1. Before mounting
   1.1 Parts supplied

2. Mounting

3. Check

Official note
When installing the remote indicator, EC Directive 94/20, in particular
Annex VII and ECE R 55 Annex 7 and the relevant national regulations
must be observed.
The fitting and operating instructions must be kept in the vehicle.

Subject to technical changes without prior notice
Safety instructions

The safety instructions are summarised in a single chapter. In any situation where the user of the trailer coupling is at risk, the safety instructions are repeated in the individual sections and marked with the warning symbol shown here.

When handling hitches, prime movers and trailers the relevant safety regulations in the respective country must be observed (e.g. Berufsgenossenschaft in Germany). Any safety instructions in the operating manual of the tractor vehicle and the trailer remain valid and must be observed.

For operation, maintenance and assembly the safety instructions listed below must be observed. Further safety instructions are then given in the individual case which relate directly to the respective activity.

Safety instructions for operation

- The hitch may only be operated by authorised persons.
- The installation and operating instructions of the respective hitch retain their validity and must be observed.
- Only use the hitch and the towing eye of the trailer if they are in perfect technical condition.
- Only carry out hitching / unhitching operations on firm, level ground.
- During hitching, nobody may stand between the tractor vehicle and the trailer.
- After every hitching operation the correct locked status of the trailer coupling must be checked by means of the control pin or the remote indicator. Only drive the rig in the correctly locked status.
- The remote indicator does not exempt the driver from the obligation to check before driving off (Regulations Authorising the Use of Vehicles for Road Traffic). Before driving off, among other things, the coupling status of the mechanical connection device for the tractor vehicle and the trailer must be checked.

Safety instructions for maintenance

- For maintenance work, only use the prescribed lubricants.
- Maintenance work may only be carried out by qualified personnel.

Safety instructions for installation

- Installation may only be carried out by authorised workshops.
- Installation must be carried out in compliance with the relevant accident prevention regulations and the technical regulations for mechanical equipment.
- Only original ROCKINGER components may be used.
- Instructions and installation guidelines of the vehicle manufacturer must be observed, e.g. type of fastening, clearances etc.
- All screwed connections must be tightened with the prescribed tightening torque.
- Work may only be carried out on the trailer coupling when it is closed.

Risk of injuries!

The installation of the hitch on the prime mover must be carried out in accordance with Annex 7 of ECE R 55 and must be checked accordingly. As applicable, the relevant licensing regulations in the respective country must be observed. The mechanical remote control and the mechanical remote indicator are equipment with safety components. This is why the installation must be documented.

The hitch, the remote control and the remote indicator are connection devices which require model approval and are subject to the highest safety requirements. Alterations of any kind shall cause the warranty to lapse and invalidate the type approval, which in turn invalidates the vehicle operation permit.
1. Before Mounting

The kit does not include the electric fuse!
Fuse type according to the truck manufacturer’s instructions!

Note: When installing the remote indicator, please observe:
- Applicable national regulations
- Guidelines of the vehicle manufacturer
- The generally applicable regulations for the installation of electrical components in a truck
- Possibility of axial rotation of the coupling head min. ± 25°
- Fix the cable so that there is no strain on the connection point

1.1 Parts supplied

1. indicator lamp
2. filament bulb (2 W, 24 V=)
3. limit switch with mounting plate and screws
4. sign
5. Impulse relay
6. mounting instructions

Spare parts: 1, 2: part no. 90292
3, 4: part no. 70986
5: part no. 90492
1. Before Mounting

2. Mounting

- The indicator lamp is to be installed in the cabin, namely in the driver's field of view (hole 17 mm)
- The bulb should be inserted into indicator lamp
- The indication board is to be fitted
- The limit switch and the indicator lamp should be connected according to the wiring diagram as follows (see fig. 3):
  - Use the vehicle line FLY or FLRY (min. 0.75 mm²)
  - Lay the cable along the vehicle harness and fix it
  - Lay single wires in the corrugated tube hose
  - Avoid kinks and rubbing points
  - Lay the cable at a sufficient distance from heat sources such as exhaust systems
- Connect indicator in cab
- Connect cable to limit switch cable (taking adequate steps to prevent corrosion)
- The connection to the vehicle power supply is to be secured with a 2A vehicle flat fuse or with a 2A fuse

Before installation of the limit switch it is necessary to carry out the electric check of the switching function. The following procedure is to be applied:
  - the ignition should be turned on
  - the front surface of the switch limit is to be brought into contact with a metallic object: the indicator light must be on
- The front cover plate of the block housing (see fig. 1) should be removed.
- Previously adjusted limit switch is to be inserted into the hole.
- The limit switch with the plate should be fixed to the lock housing by means of two screw-bolts (are supplied by delivery), tightenings torque 3+1 Nm
3. Check

- The coupling is safety locked: The green indicator lights are up (1)
- Hand lever is slowly to be moved into the position OPEN:
  The indication disappears: The function OK (2)

In case there are no lights, the following re-adjustment should be carried out:
- The lock nut is to be released
- The limit switch should carefully be turned as long as the lights are on
- The lock nut can now be screwed: 2,5 Nm
- The function is to be checked once again (see the above) If the function is OK, then the lock nut should be fixed in its safety position on the tightening torque

Note:
- Check the operation of limit switch in connection with coupling check pin at regular intervals
- In case of malfunction of the safety-locked coupling it is required to carry out the visual check and examination of the coupling’s operating conditions before considering the possibility of repair.

Warning: The remote indicator only signals the coupling’s operational status!

The remote indicator does not indicate whether the towing eye is actually coupled.