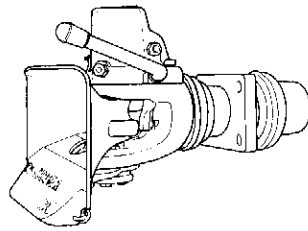


Fully Automatic Trailer Couplings

Series RO*260



DIN 74 051 in conjunction with
a drawbar eye to DIN 74 054

Type-tested

Approved design:

Type 260 G 135: M 4037

Type 260 G 145: M 4038

Type 260 G 150: M 4039

As at 0397



REPAIR – PARTS LIST

1. Repair

The ROCKINGER modular system enables the trouble-free replacement of individual components independent of each other.

1.1 Replacing the automatic unit

- Close coupling (hand lever downwards)
 - Loosen automatic unit's 4 hexagon head cap screws
 - Remove automatic unit
 - Mount new automatic unit in open position
- NOTE: Before mounting, apply metal adhesive to thread of hexagon head cap screws
- Fit and tighten new hexagon head cap screws in automatic unit (tightening torque 86 Nm)

Also available:

Extension kit: order no. 57164

Torque wrench: order no. 57165

IMPORTANT: The new automatic unit's check pin is supplied longer than required.

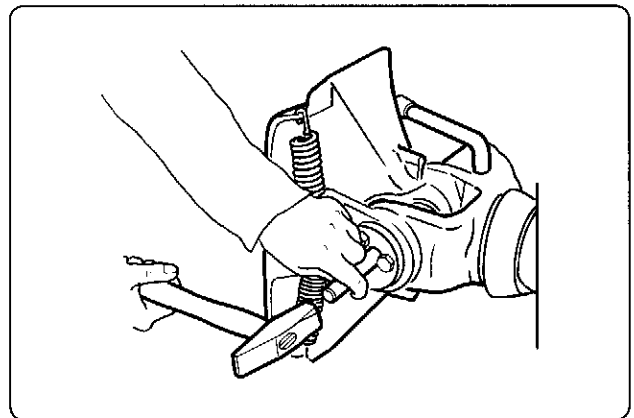
- Place coupling pin in lowest position.
- Grind check pin down until flush

1.2 Replacing the coupling pin

- Unscrew automatic unit and fix in vice such that it is horizontal
- Remove split pin and washer from hand lever
- Move hand lever to 2nd notch
- Hold check pin with pliers
- Close automatic unit
- Withdraw hand lever, removing release lever, locking lever and torsion spring
- Replace coupling pin with new pin (If levers are worn, automatic unit should be replaced.) Check pin must not show signs of excessive wear at its point of contact with coupling pin.
- Slide new coupling pin into bore, pushing lifting lever back (coupling pin groove must face lifting lever)
- Hold coupling pin in inserted position
- Place third hand (order no. 57068) over housing and coupling pin
- Fit hand lever and components in reverse order (see above) and secure with split pin
- Remove pliers and third hand
- Fit automatic unit (see 1.1)

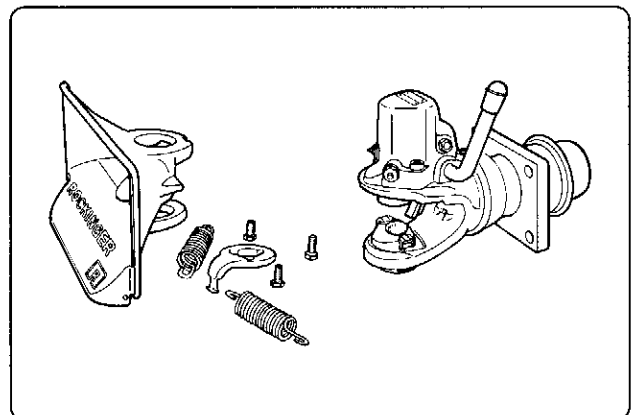
Operating test

- Move hand lever to 1st notch (Release lever must lock funnel in central position)
- Insert test drawbar eye: automatic unit must **not** be actuated
- Move hand lever to 2nd notch
- Insert test drawbar eye: release lever must close automatic unit
- Coupling pin must reach lowest position and is then doubly secured
- Test: hold rod against coupling pin from below and hit with hammer (see drawing): Coupling pin must remain in secured position.



1.3 Replacing the funnel

- Push funnel to left/right and detach springs
- Close coupling (hand lever downwards)
- Loosen hexagon head screws on lower part
- Remove lower part (6)
- Open coupling (hand lever upwards)



IMPORTANT: Do not place hands inside funnel (in region of coupling pin) to avoid risk of injury.

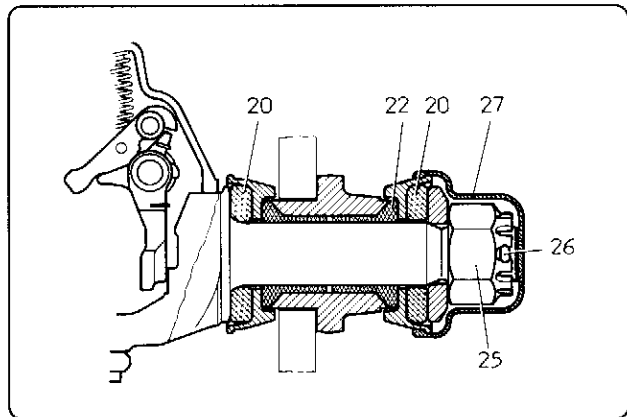
- Remove funnel
- Pre-grease bearing areas of new funnel and fit funnel to coupling head
- Close coupling (hand lever downwards)
- Hand-tighten bolts on lower section
- Check that funnel can move freely
- Attach first spring
- Rotate funnel, attach second spring to lower part
- Adjust funnel (see fitting instruction leaflet)
- Tighten hexagon head screws (Tightening torque approx. 49 Nm)

1.4 Replacing the drawbar bearing

The taper adapters (22) can be replaced to ensure that the drawbar sits properly in its bearing.

We recommend that the rubber buffers (20) also be replaced when replacing the taper adapters by using the "Bearing complete" repair set.

The mounting bearing does not have to be removed from the crossbar.



Disassembly

- Remove rear sealing cap (27) and split pin (26), loosen cast-
le nut (hold coupling head to prevent it turning)
- Remove rear buffer components
- Withdraw jaw with bar from bearing
- Withdraw taper adapters from mounting bearing with suit-
able tool
- Clean bearing

Fitting

- Insert new taper adapters
- Replace old rubber buffers
- Continue assembly as usual (see fitting instruction leaflet)

1.5 Replacing lower bush

- Remove automatic unit (see 1.1), funnel (see 1.3) and jaw
with bar (see 1.4)
- Hold jaw with bar in vice and knock lower bush out
- Locate new lower bush (milled surfaces parallel to drawbar;
check for existing ball indentation)
- Insert new bush

Note: Upper bush must not be damaged during this procedure.

- Fit jaw with bar (see 1.4)
- Install funnel (see 1.3)
- Fit automatic unit (see 1.1)