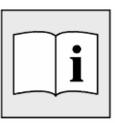
# 54 34 005

### Removing and installing/replacing hydraulic unit for convertible top drive unit (Z3 Roadster, M Roadster)



# Note:

Observe notes on EH convertible top.

Necessary preliminary tasks:

- Remove luggage compartment trim on left.
- Open emergency valve (system is depressurized).
- Lay an absorbent protective cover on the trunk floor next to the hydraulic control unit (danger of becoming dirty from oil running out).

### Note:

There are 2 different hydraulic units. The unit illustrated is the newer one. It was introduced at the beginning of 1999. In the event of replacement, this new unit can be installed.

Components:

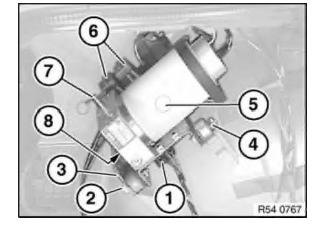
- 1 Plug
- 2 Nut for cable (tightening torque: 54 34 3AZ )
- 3 Cable
- 4 Nut for mounting bracket (tightening torque: 54 34 3AZ )
- 5 Hydraulic unit with marking for fluid level
- 6 Relay with holder
- 7 Emergency valve
- 8 Oil filler plug (tightening torque: 54 34 5AZ )

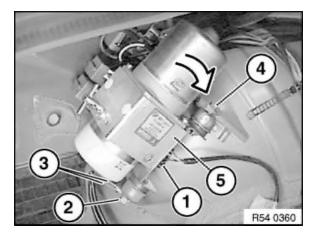
As both hydraulic units are very similar, the following text describes removal of the older unit:

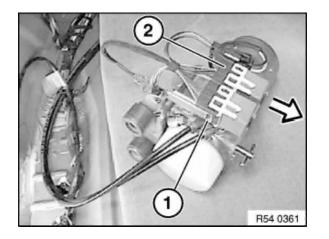
- Disconnect plug (1)
- Release nut (2) and detach cable (3)
- Release nut (4)
- Unscrew hydraulic unit (5) inwards and set down on protective cover

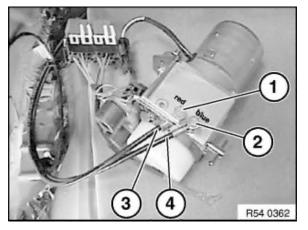
# Installation:

Tightening torque: 54 34 3AZ .









Press down lock (1) and detach relay holder (2).

#### Note:

Have a cloth ready to wipe away escaping oil.

If necessary, press relay holder to one side slightly. Release banjo bolts (1) and (2) and remove lines.

#### Installation:

- Hose with red hose lettering (3) on hydraulic unit connection "red"
- Hose with blue hose lettering (4) on hydraulic unit connection "blue"
- Tightening torque: 54 34 4AZ

#### Note:

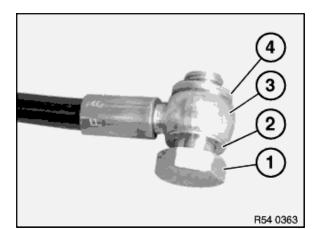
If hydraulic components are to be stored for an extended period, seal off bores on hydraulic unit and hose connections for hydraulic cylinder.

#### Installation:

Always fit new banjo bolts (1) and seals (2 and 4) (sourcing reference: BMW Parts Service).

Banjo bolts (1) on hydraulic unit have a nozzle.

- 1 Banjo bolt
- 2 Upper seal (thin)
- 3 Hose connection
- 4 Lower seal (thick)



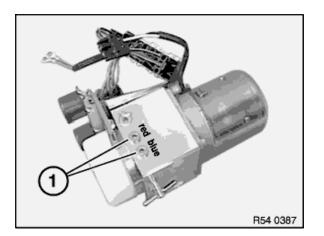


# Important!

Check fluid level, top up if necessary.

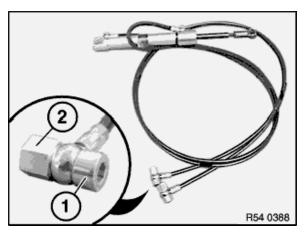


## Seal off lines and line connections:



### Plug connections on hydraulic control unit:

Use the plugs (1) from the "Banjo bolts for hydraulic unit" set (sourcing reference: BMW Parts Service) and the old seals for this purpose.



Plug hose connections for hydraulic cylinder:

Use the plugs (1) and cap nuts (2) from the "Banjo bolts for hydraulic unit" set (sourcing reference: BMW Parts Service) and the old seals for this purpose.