

# Technical Journal



TITLE:

**Clunking/pulling, Bushing in rear stay broken**

REF NO:  
**TJ 25336**

ISSUING DEPARTMENT:  
**Technical Service**

CAR MARKET:  
**United States**

PARTNER:  
**3 US 7510 Volvo Cars North America**

ISSUE DATE:  
YEAR MONTH DAY  
**2012 11 28**

FUNC GROUP:  
**6522**

FUNC DESC:  
**Cross stay**

**Page 1 of 17**

**“Fixed Right — First Time”**

## Attachment

File Name	File Size
TJ Instruction-370831-2_1_1_en-US[1].pdf	0.9830 MB
TJ 25336 -1.jpg	0.0547 MB
TJ 25336 -3.jpg	0.2355 MB
TJ 25336 -4.jpg	0.0809 MB
TJ 25336 -5.jpg	0.0663 MB
TJ 25336 -2.jpg	0.4504 MB

## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
124							2007-9999		0000001-9999999	200606-999999
134							2011-9999		0000001-9999999	201020-999999
135							2008-9999		0000001-9999999	200720-999999
136							2008-9999		0000001-9999999	200720-999999
156							2009-9999		0000001-9999999	200835-999999

## CSC Customer Symptom Codes

Code	Description
QF	Steering/Constant pull to left
QG	Steering/Constant pull to right
QH	Steering/Other steering/handling problems
E7	Suspension/Unusual noise
WZ	Suspension/Clicking/clonking noise



## **DTC** Diagnostic Trouble Codes

### **Text**

#### **DESCRIPTION:**

The front bushing in the rear longitudinal stay may fail, causing one or more symptoms:

- Knocking / clunking noise from rear suspension on uneven roads.
- Pulling / drifting due to incorrect wheel alignment / rear wheel camber angle.
- Unstable rear suspension on curvy roads.

The analysis indicates that there could be some corrosion on the bushing's outer metal ring, which causes the vulcanized rubber to loosen.

#### **PRODUCT MODIFICATION:**

Waxed bushings, which may reduce corrosion, were introduced in production from 2012w10.

Approx. chassis breakpoints:

124-161000

135-242000

136-140000

134-134000

156-324000

#### **SERVICE:**

Replace the bushing according to the attached TJ Instruction.

After installing the new bushing, spray rust proofing wax on the bushing outer metal ring to prevent repeat repair (picture #3).

#### **Parts:**

*Note:* Parts will be listed in Parts Catalogue from VIDA 2012DU2.

Bushing, left side with standard attachment (see picture #4): PN 31387280

Bushing, left side with large attachment (see picture #5): PN 31387282

Bushing, right side: PN 31387281

Rust proofing wax: PN 9510226 (500ml/18fl.oz). Use 25ml/0.85fl.oz on each side (50ml/1.8fl.oz total).

*Note:* Never use other rust preventers! Solvent based chemicals will damage the rubber bushing!

#### **MATERIAL RETURN:**

None.

**VEHICLE REPORT:**

Only required for vehicles produced after the chassis breakpoints listed above. Create a Technical Helpdesk Vehicle Report using Function Group 6522.

**VSTG OPERATION NUMBER:**

65271-2 Rear longitudinal stay 1 side replace	See VSTG
65272-2 Rear longitudinal stay 2 sides replace	See VSTG
99400-2 General check/adjust acc to Technical Journal	0.1 hours

**To view TJ attachments continue to next page: This TJ has six attachments.**



## Volvo Car Customer Service

TJ Instruction VCC-370831-2

<b>Title</b>	Bushing front lateral link	<b>Page</b>	1(9)
<b>Action</b>	Replacement	<b>Operation number:</b>	65214-2 65215-2

Issue	Date	Reason
1	2012-08	First issue

### Affected vehicles

Year	Model
2011, 2012, 2013	S60 (11-)
2007, 2008, 2009, 2010, 2011, 2012, 2013	S80 (07-)
2008, 2009, 2010, 2011, 2012, 2013	S80L
2011, 2012, 2013	V60
2008, 2009, 2010, 2011, 2012, 2013	V70 (08-)
2009, 2010, 2011, 2012, 2013	XC60
2008, 2009, 2010, 2011, 2012, 2013	XC70 (08-)

### Special tools

Description	Part No.
Ring	999 7469
Drift	999 7467
Hydraulic hole cylinder	951 2923
OK	999 7468

### Equipment

Designation	Part No.
Hydraulic press	

## Removal

**Note!** Removal steps in this procedure may contain installation details.

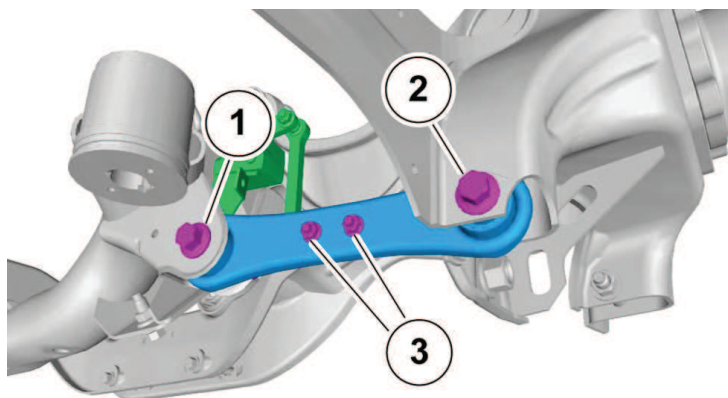
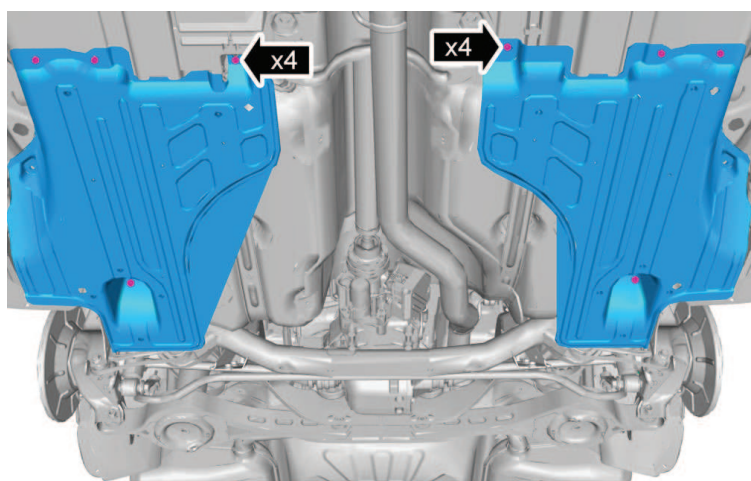
Follow instructions for lifting points body frame, refer to:

Specifications, mechanical

8 - Body and interior

81 - Body frame

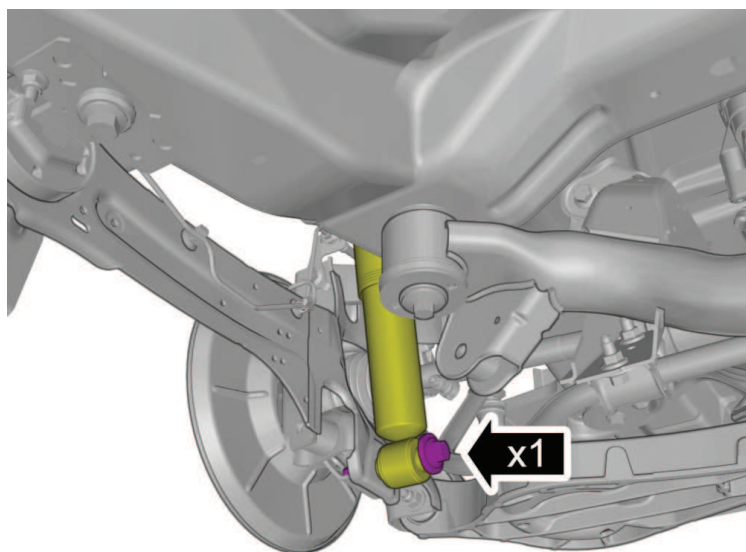
810 - general



Remove the following components:

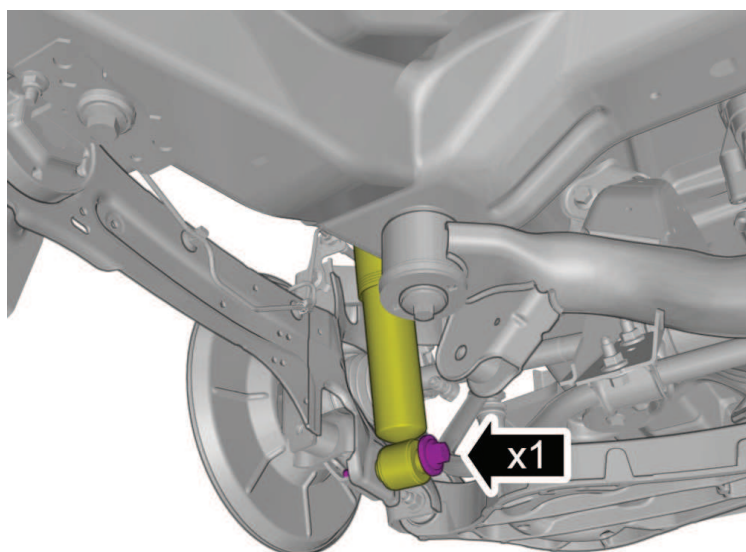
1. **Torque:**  
Tie rod to subframe, 110 Nm
2. **Torque:**  
Tie rod to longitudinal stay, 110 Nm
3. **Torque:**  
M6, 10 Nm

## Vehicles with load-leveling shock absorbers

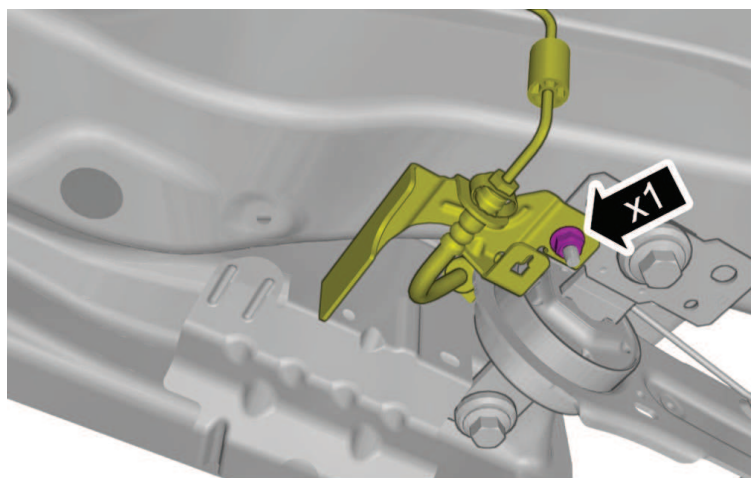
**Torque:**

Rear shock absorber to wheel knuckle  
(Nivomat), 280 Nm

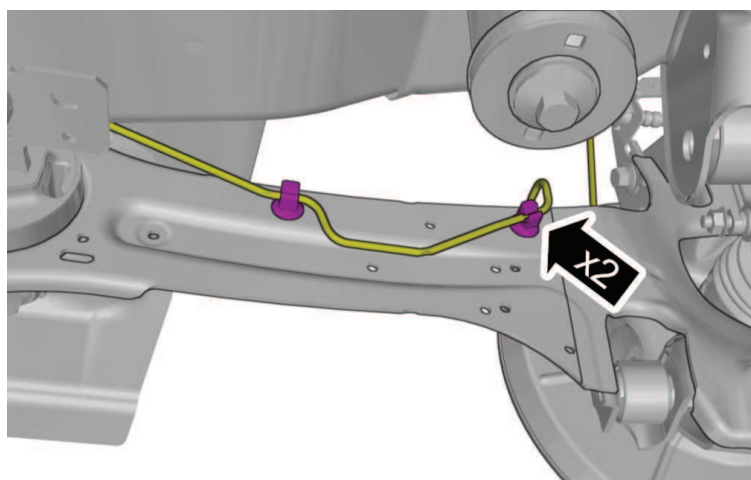
## Vehicles without load-leveling shock absorbers

**Torque:**

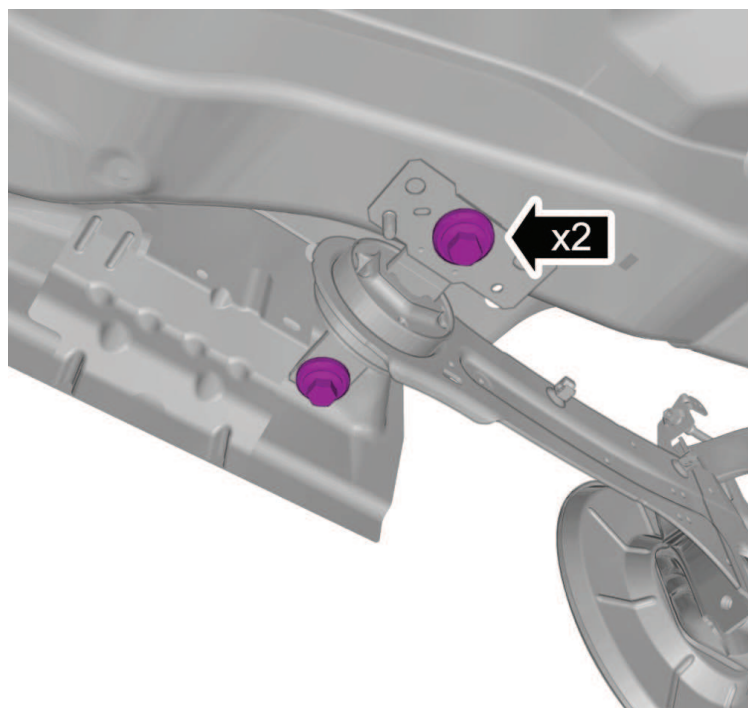
Rear shock absorber to wheel knuckle,  
175 Nm



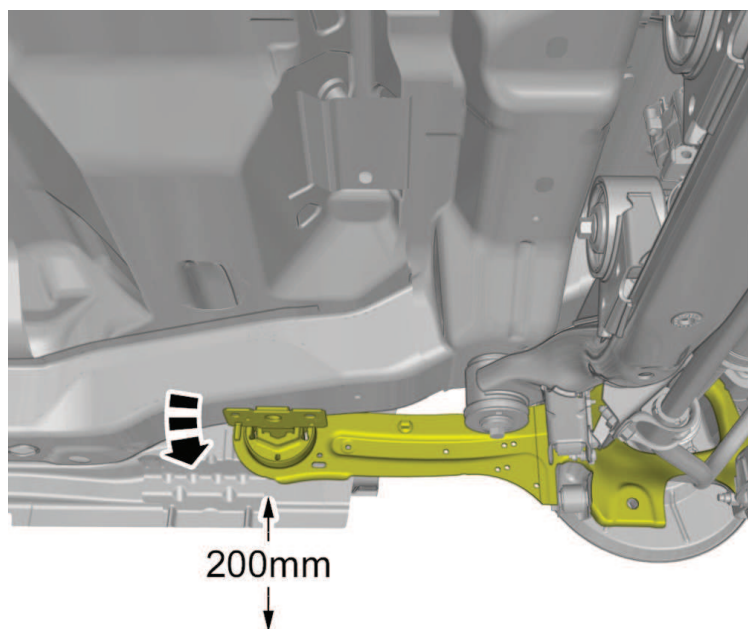
**Torque:**  
M8, 24 Nm





**Torque:**

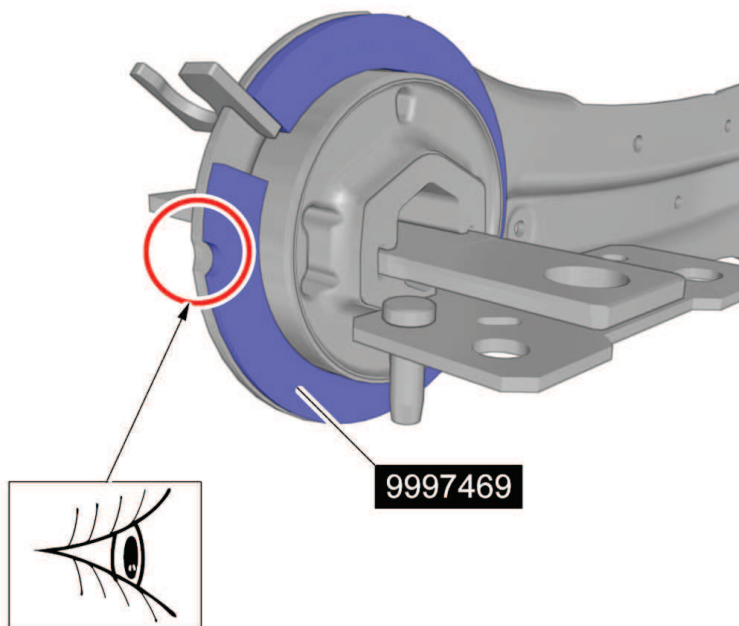
Wheel knuckle rear to body, 180 Nm



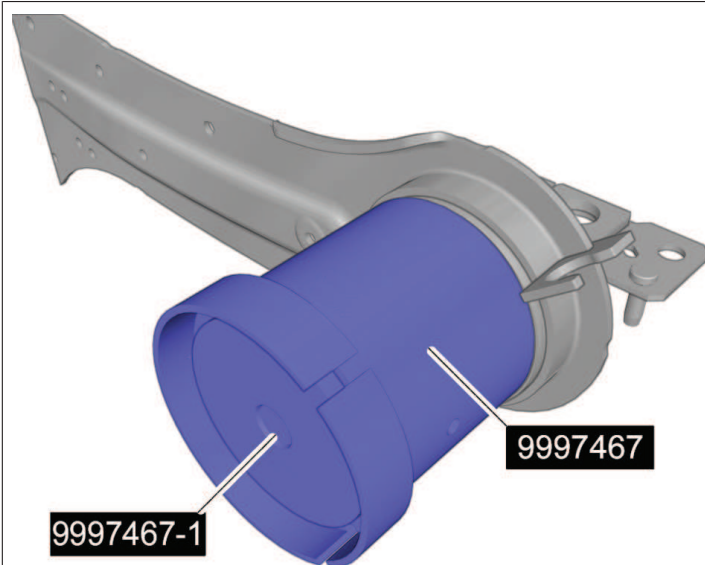


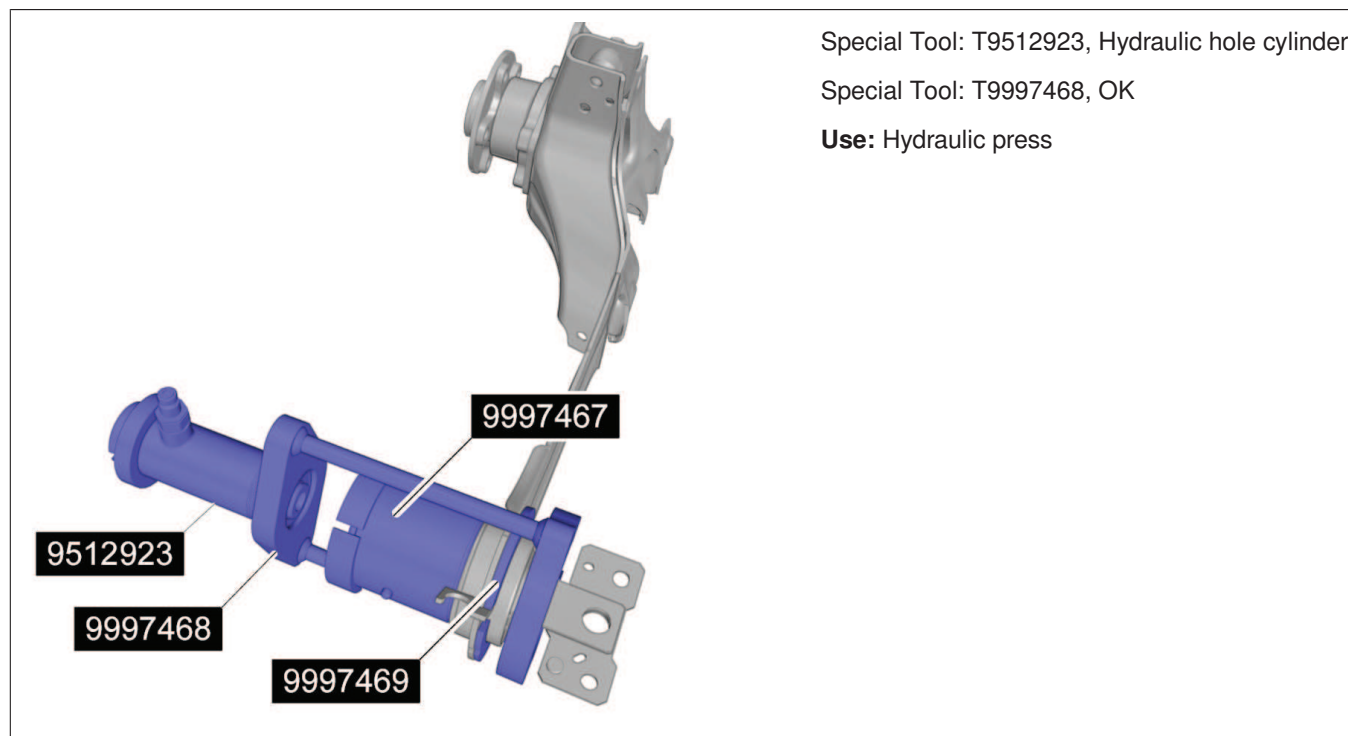
**Caution! Make sure that the component is positioned correctly.**

Special Tool: T9997469, Ring



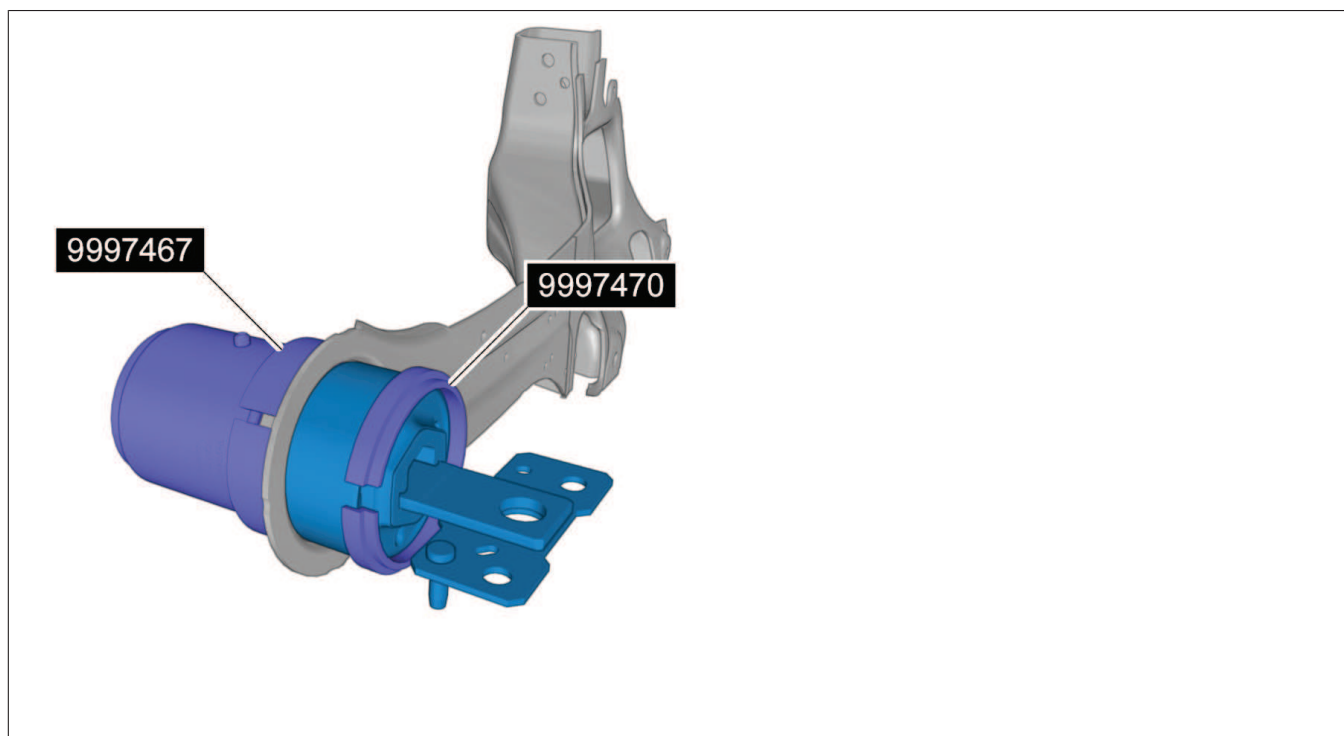
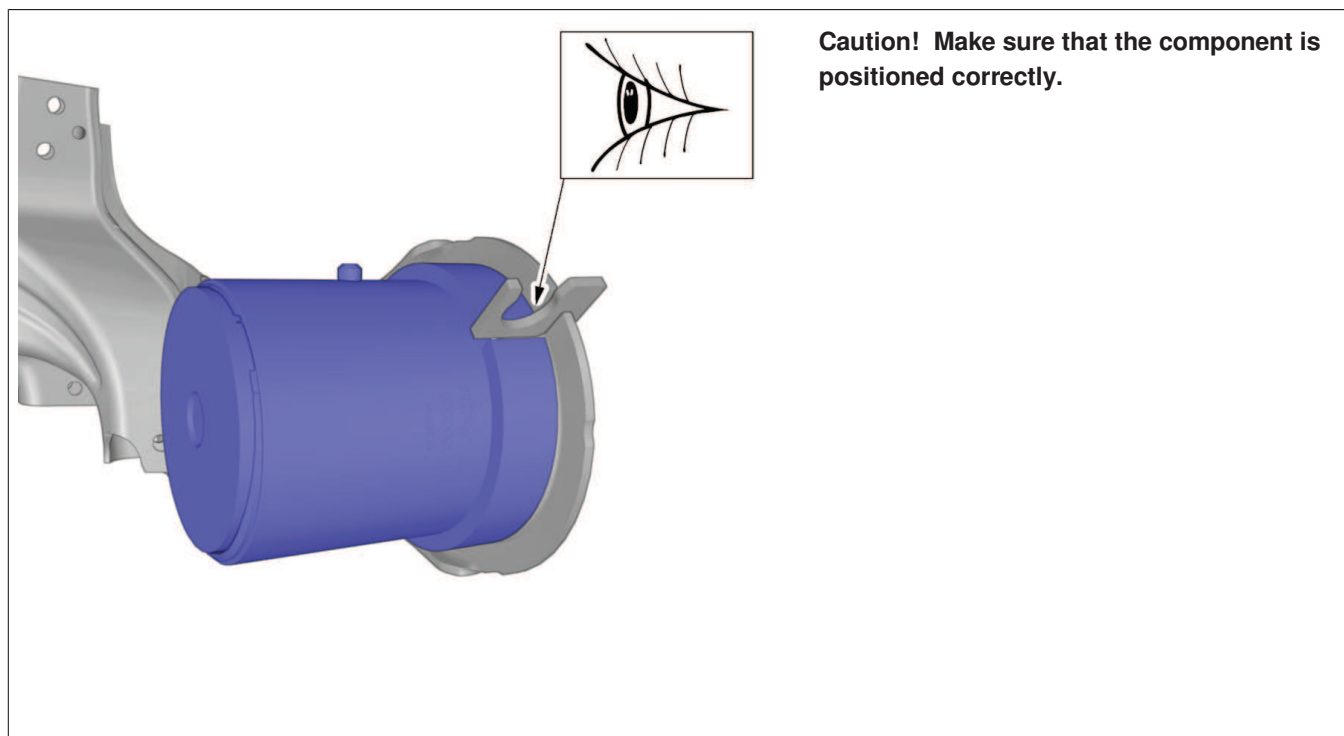
Special Tool: T9997467, Drift



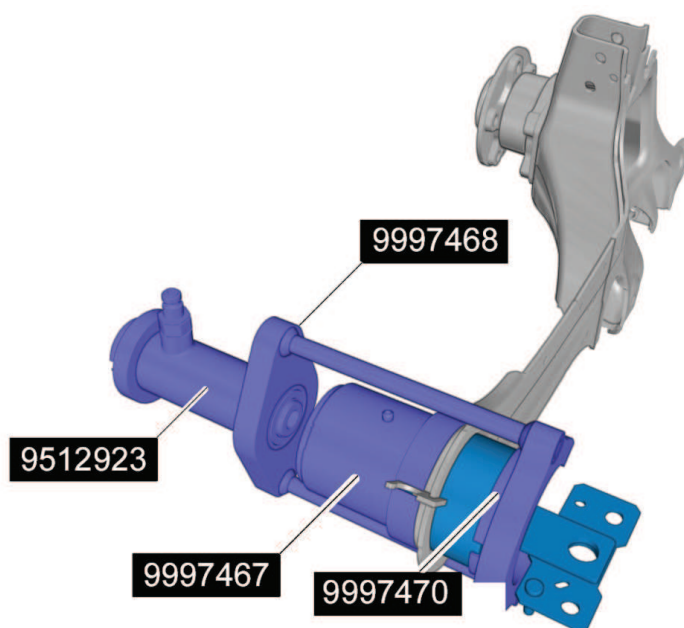


### Installation



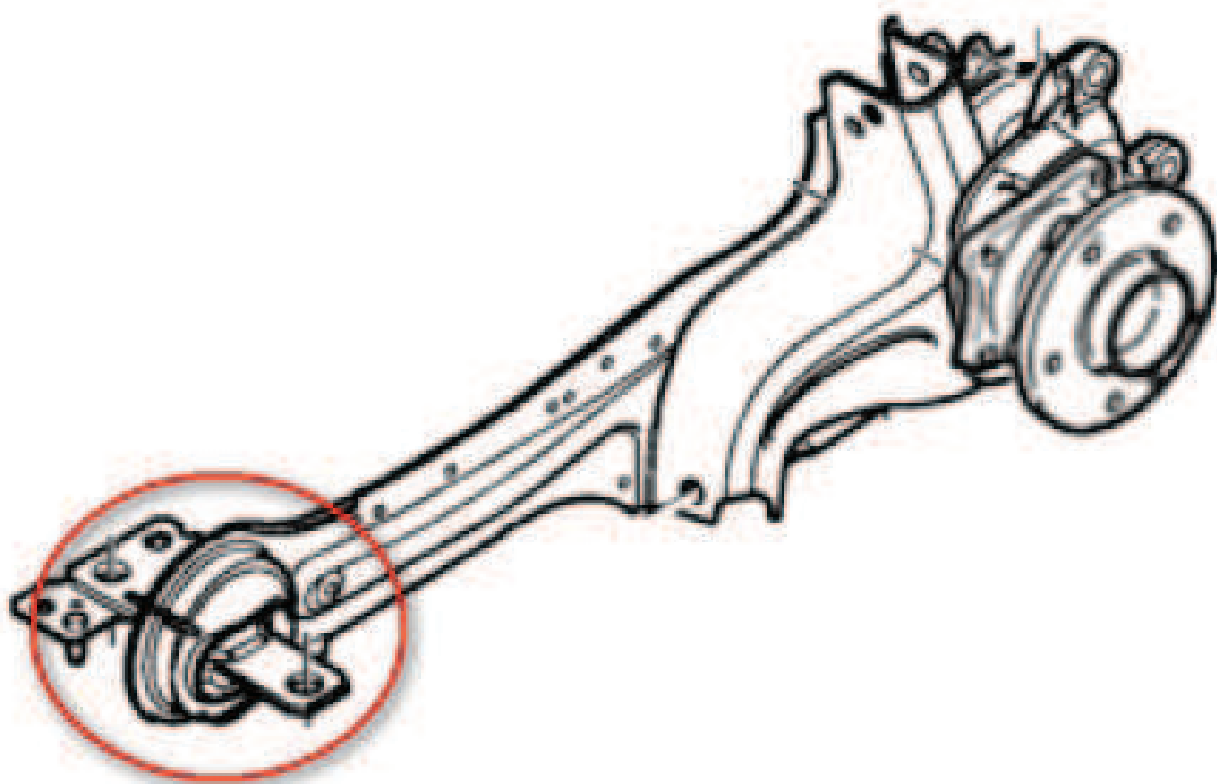


**Use:** Hydraulic press



To install, reverse the removal procedure.

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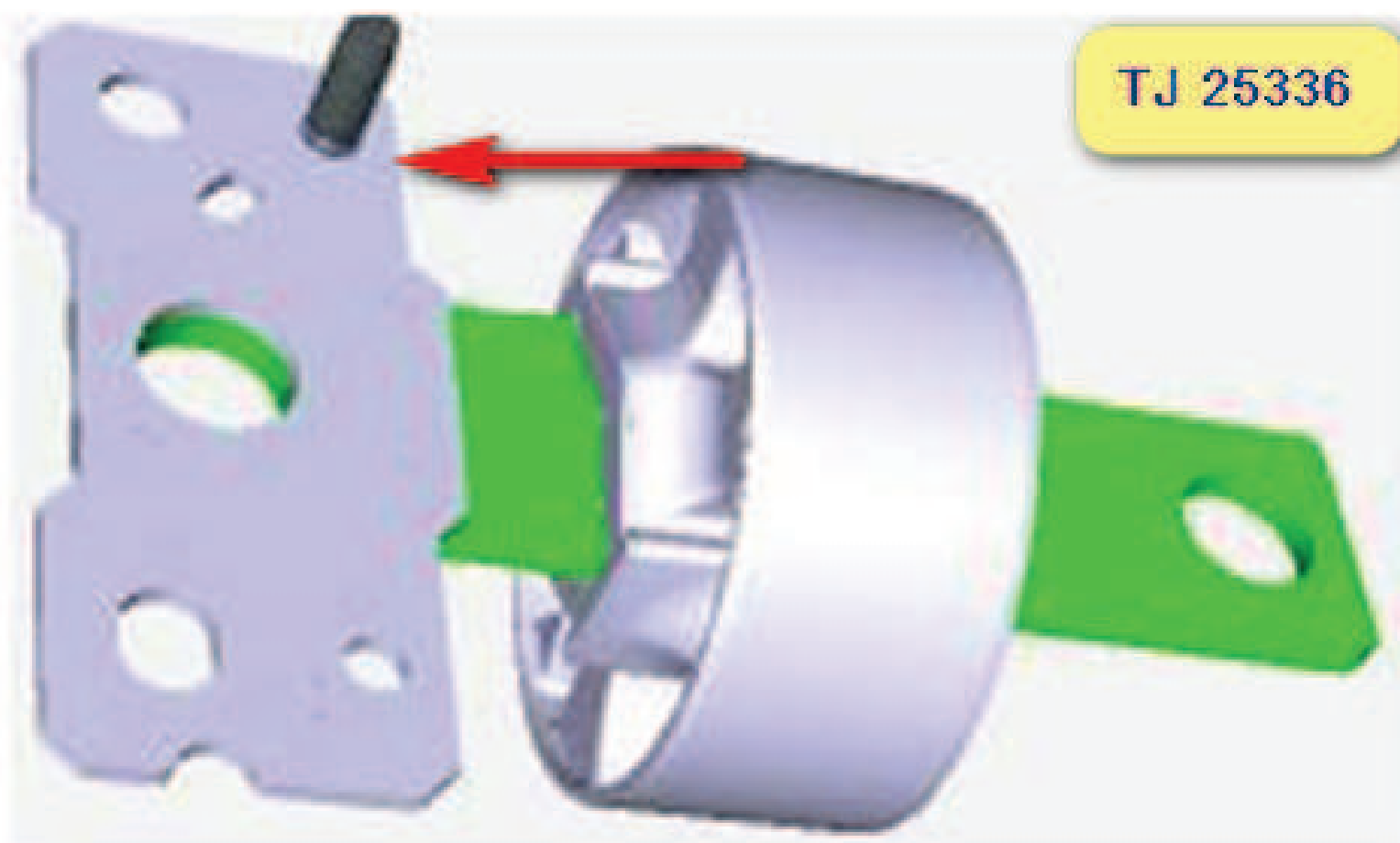


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