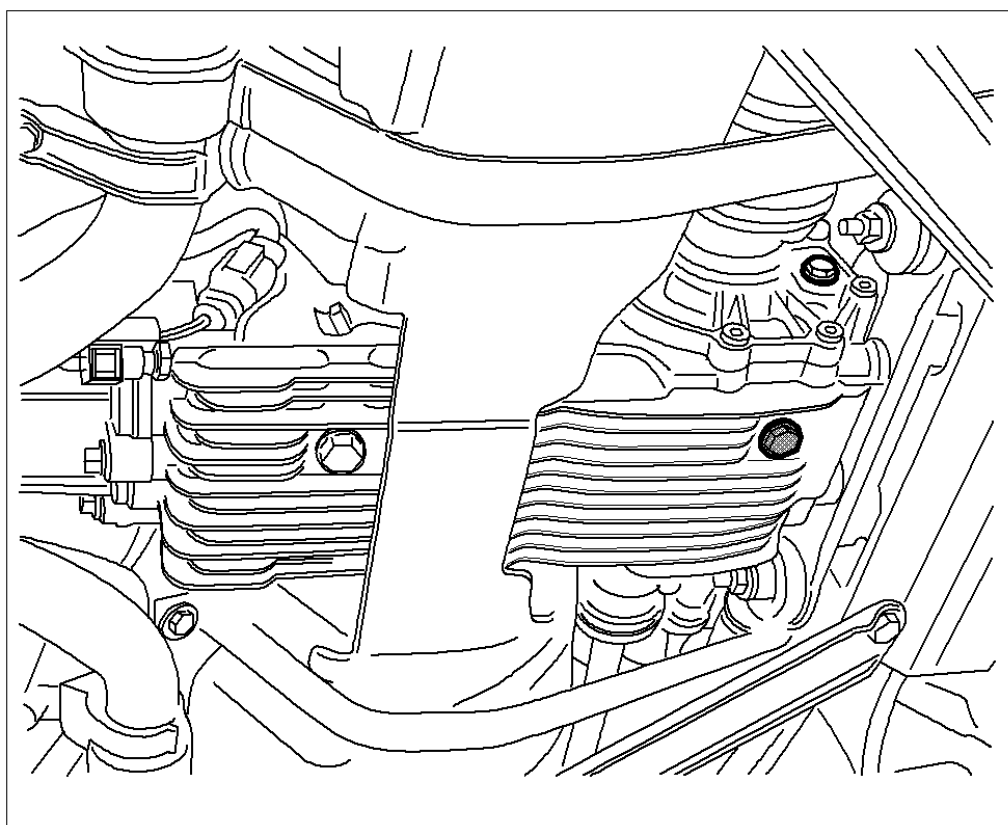


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## WM 399055 Changing oil in front final drive

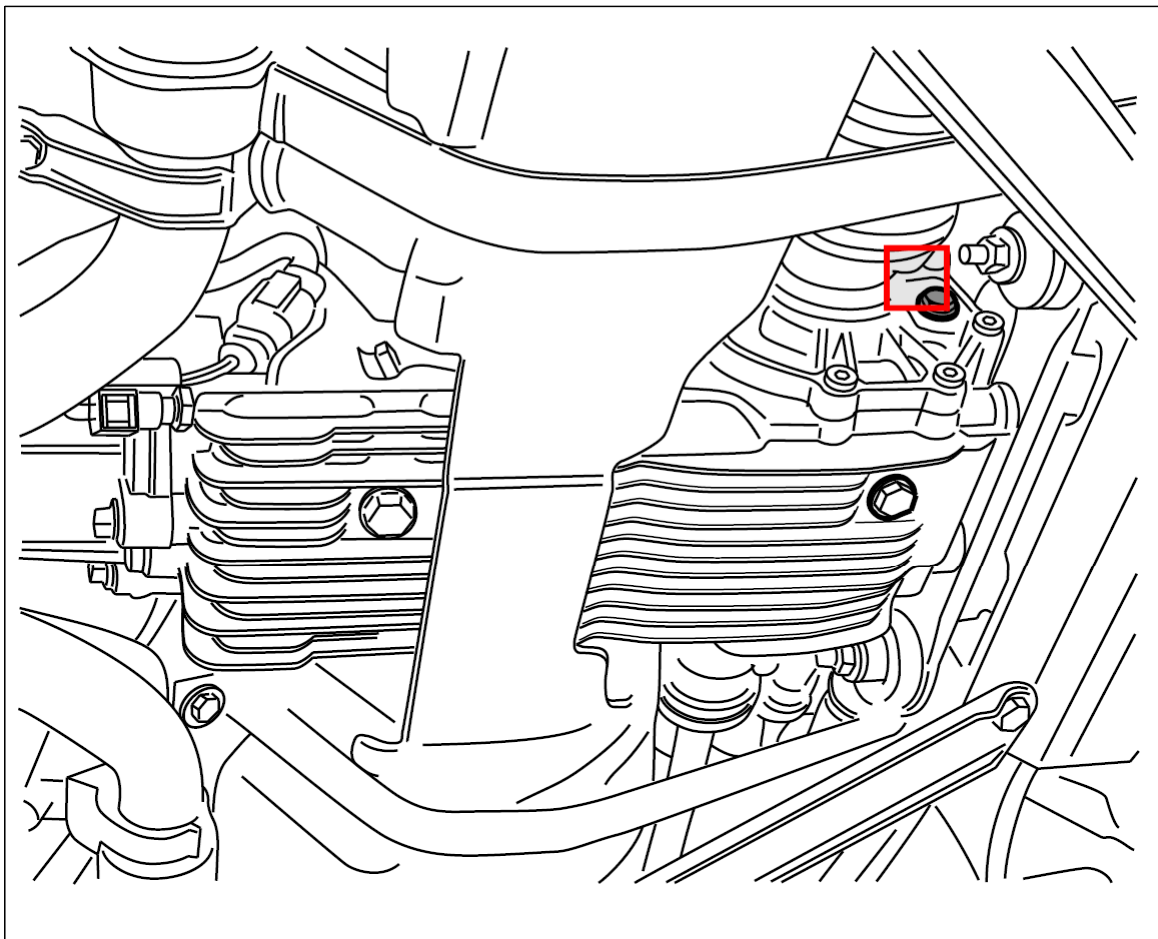
### Technical values

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Front-axle final drive - differential	Change quantity for changing differential oil	Filling capacity	0.9 litre		
Front-axle final drive - clutch	Change quantity for changing clutch oil	Filling capacity	0.9 litre		
Oil drain plug for differential oil for front final drive		Tightening torque	28 Nm (21 ftlb.)		



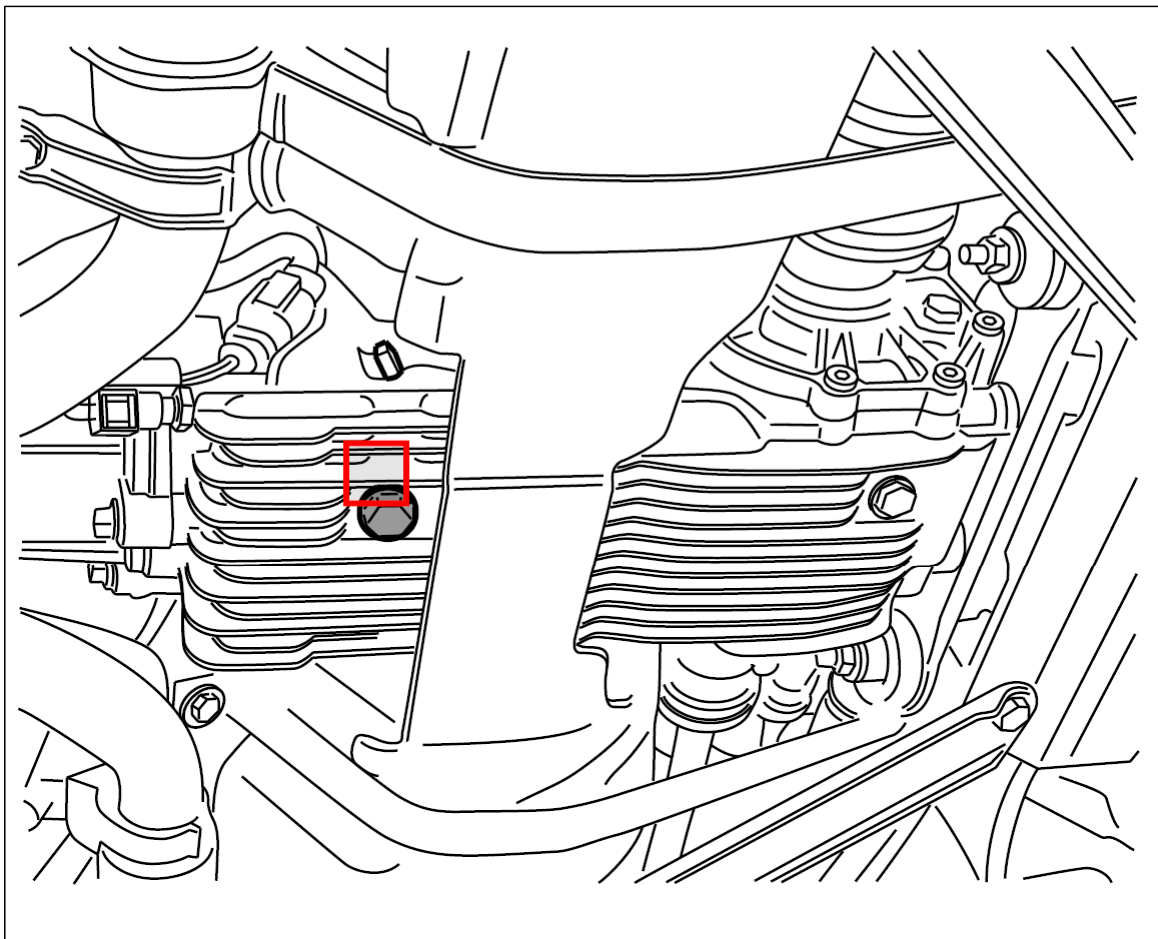
*Oil filler screw for differential oil for front final drive*

Oil filler screw for differential oil for front final drive		Tightening torque	28 Nm (21 ftlb.)		
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*Oil filler screw for differential oil for front final drive*

Oil drain plug for clutch fluid for front final drive		Tightening torque	28 Nm (21 ftlb.)		
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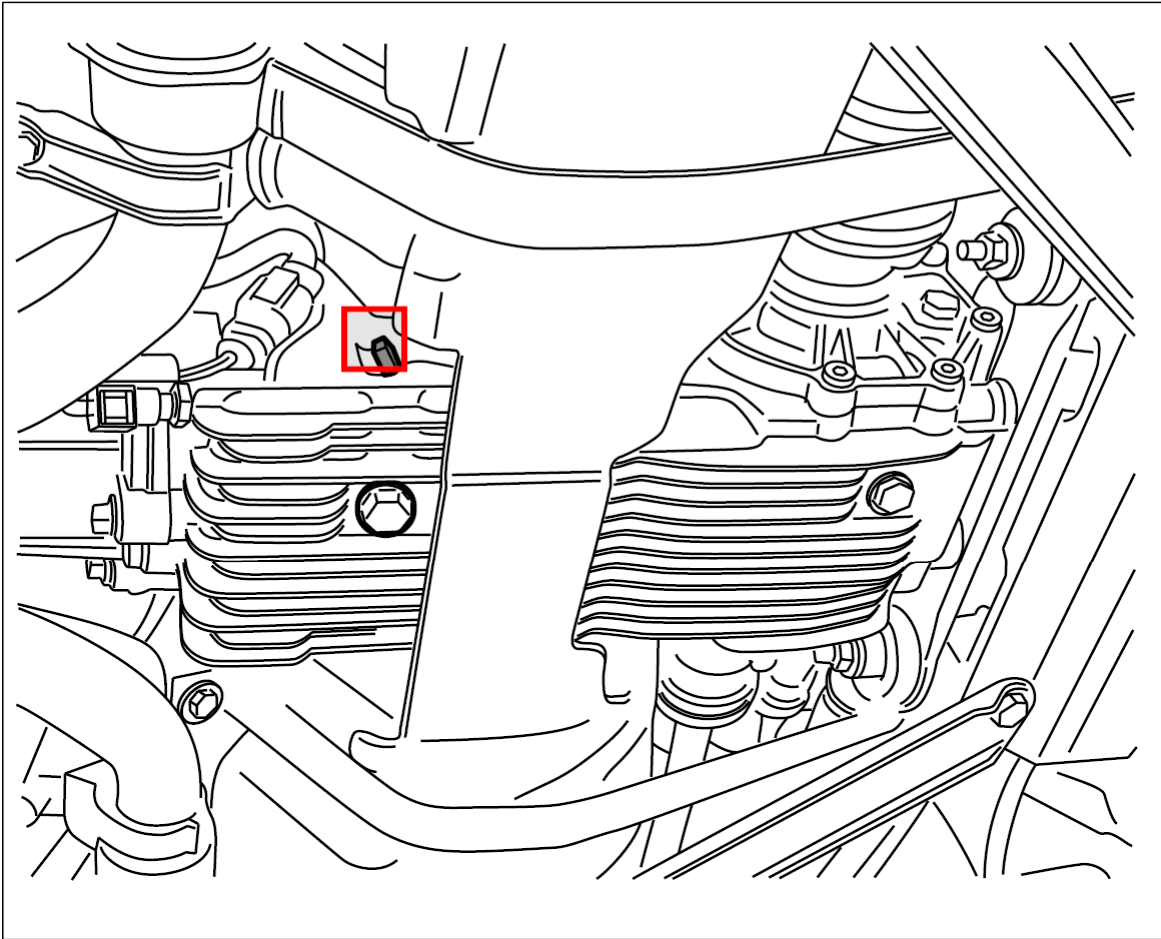


*Oil drain plug for clutch fluid for front final drive*

Oil filler screw for differential  
oil for front final drive

Tightening  
torque

28 Nm  
(21 ftlb.)



*Oil filler screw for clutch fluid for front final drive*

## Information

### Notes



#### Information

Only use oil approved by Porsche, see Spare Parts Catalogue.

## Technical values

### Filling capacities

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Front-axle final drive - differential	Change quantity for changing differential oil	Filling capacity	0.9 litre		
Front-axle final drive - clutch	Change quantity for changing clutch oil	Filling capacity	0.9 litre		

## Preliminary work

### Preliminary work

1. Raise the vehicle at the specified jacking points. → *401000 Lifting the vehicle*
2. Remove front underbody panel. → *519219 Removing and installing front cover - section on "Removing"*
3. Place oil collection pan under the transmission.

## Draining oil for front final drive

### Draining differential oil for front final drive

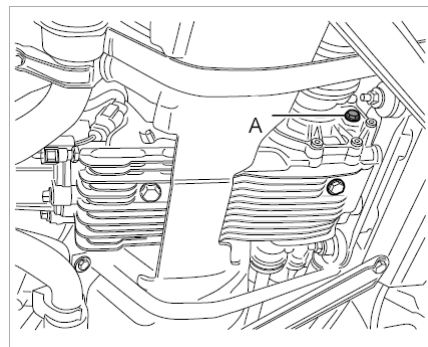
**NOTICE**

**Too much refrigerant oil in new air-conditioning compressor.**

- **Risk of damage to air-conditioning components.**

- Do not start engine.
- Do not tow the vehicle.

1. Unscrew oil filler screws **-A-** .



*Differential oil filler screw*

 **WARNING**

#### Hot fluid

- **Danger of scalding**

- Let the fluid cool down.
- Wear personal protective gear.

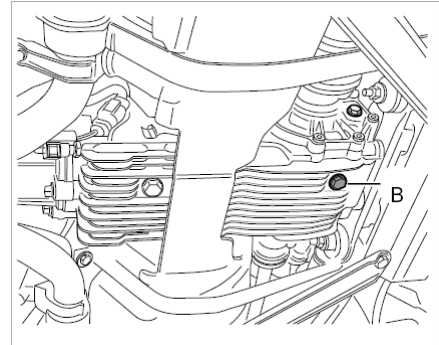
 **WARNING**

#### Hot fluid

- **Danger of scalding**

- Let the fluid cool down.
- Wear personal protective gear.

1. Unscrew oil drain plug **-B-** and drain transmission oil.



*Differential oil drain plug*

### Draining clutch fluid for front final drive

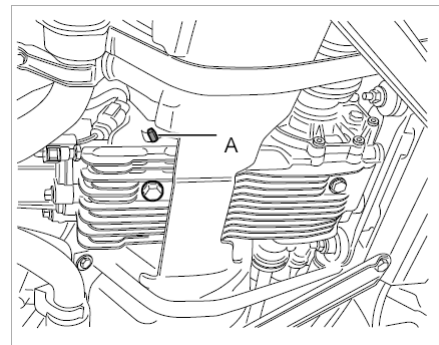
**NOTICE**

**Too much refrigerant oil in new air-conditioning compressor.**

- **Risk of damage to air-conditioning components.**

- Do not start engine.
- Do not tow the vehicle.

1. Unscrew oil filler screws **-A-** .



*Clutch fluid filler screw*

**WARNING**

**Hot fluid**

- **Danger of scalding**

- Let the fluid cool down.
- Wear personal protective gear.

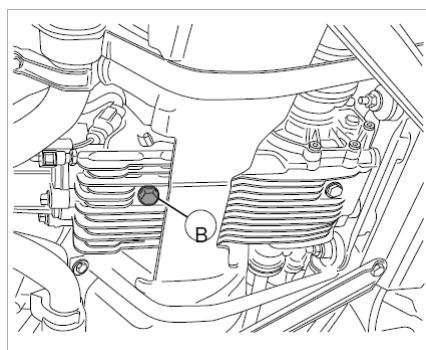
**⚠ WARNING**

**Hot fluid**

- **Danger of scalding**

- Let the fluid cool down.
- Wear personal protective gear.

2. Unscrew oil drain plug **-B-** and drain transmission oil.



*Clutch fluid drain plug*

**Filling in oil for front final drive**

**Filling in differential oil for front final drive**

**NOTICE**

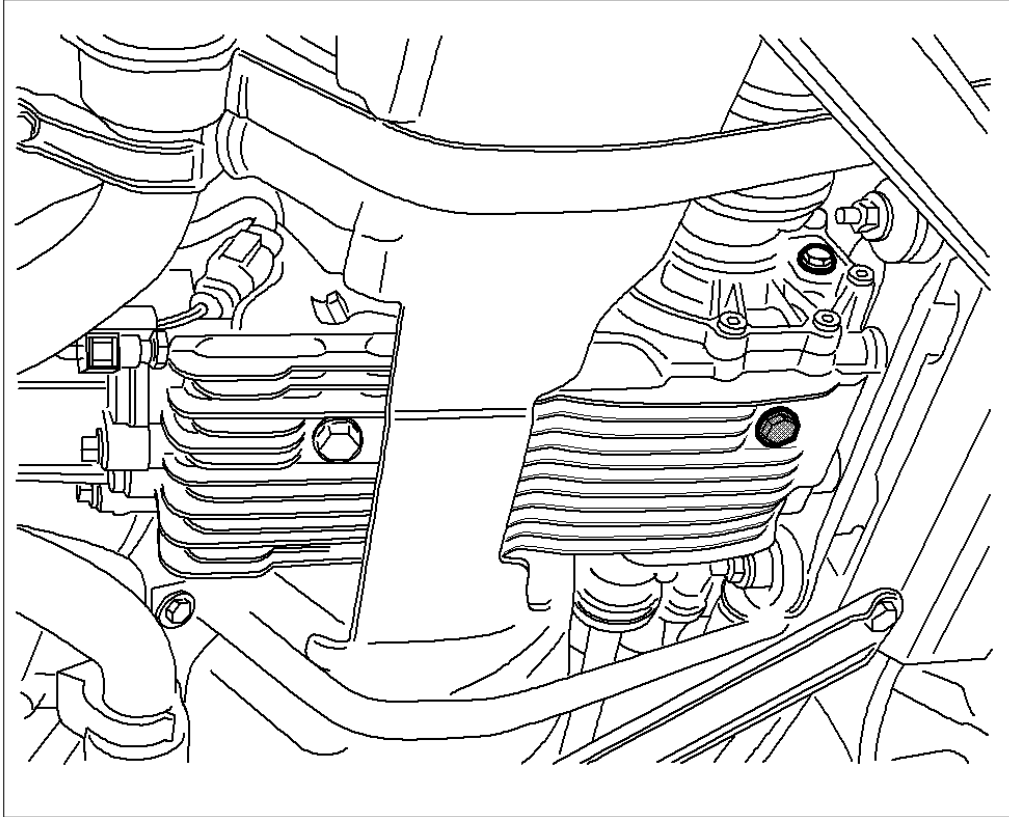
**Too much refrigerant oil in new air-conditioning compressor.**

- **Risk of damage to air-conditioning components.**

- Do not start engine.
- Do not tow the vehicle.

1. Clean oil drain plug and screw in with new sealing ring.

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Oil drain plug for differential oil for front final drive		Tightening torque	28 Nm (21 ftlb.)		

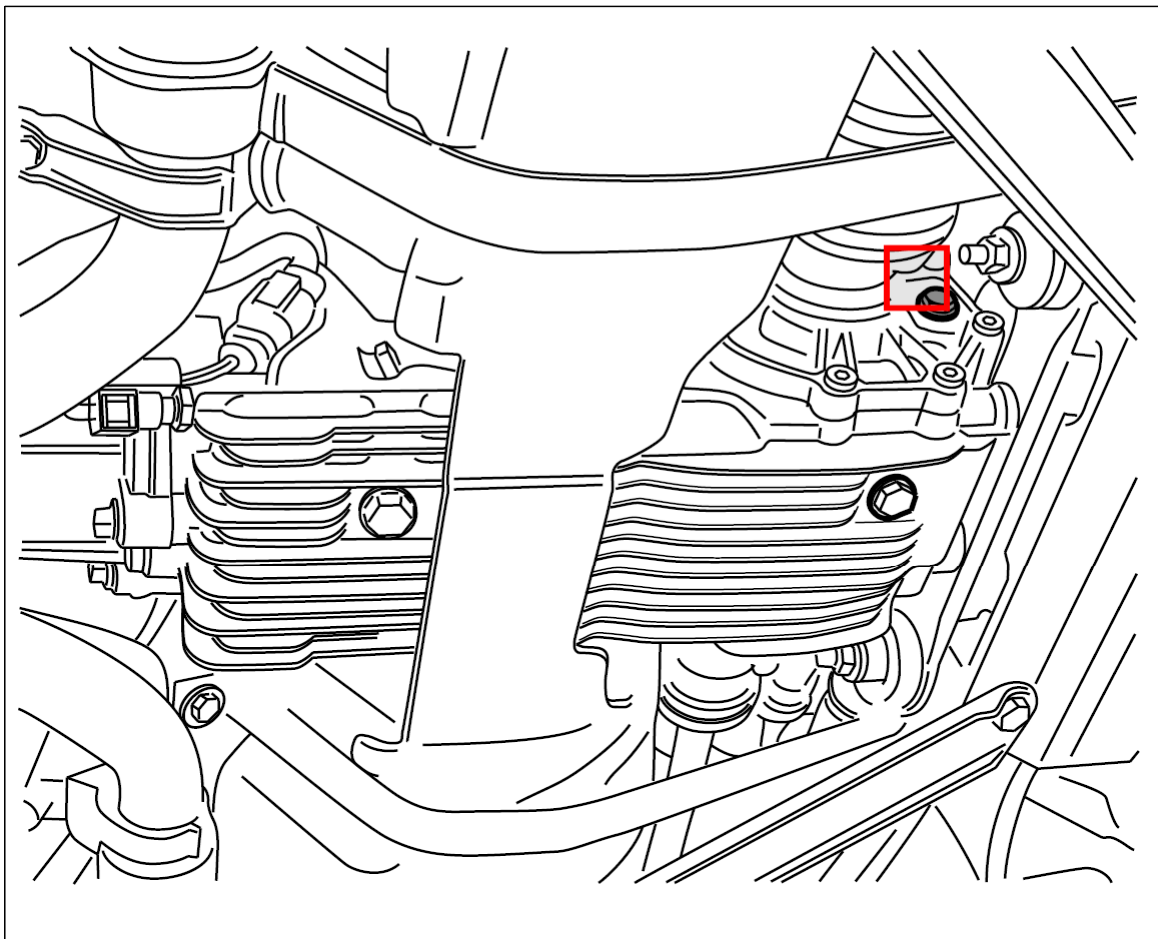


*Oil filler screw for differential oil for front final drive*

2. Fill in transmission oil up to the bottom edge of the filler opening.
3. Clean oil filler screw and screw in with a new seal.

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Oil filler screw for differential oil for front final drive		Tightening torque	28 Nm (21 ftlb.)		





*Oil filler screw for differential oil for front final drive*

**Filling in clutch fluid for front final drive**

**NOTICE**

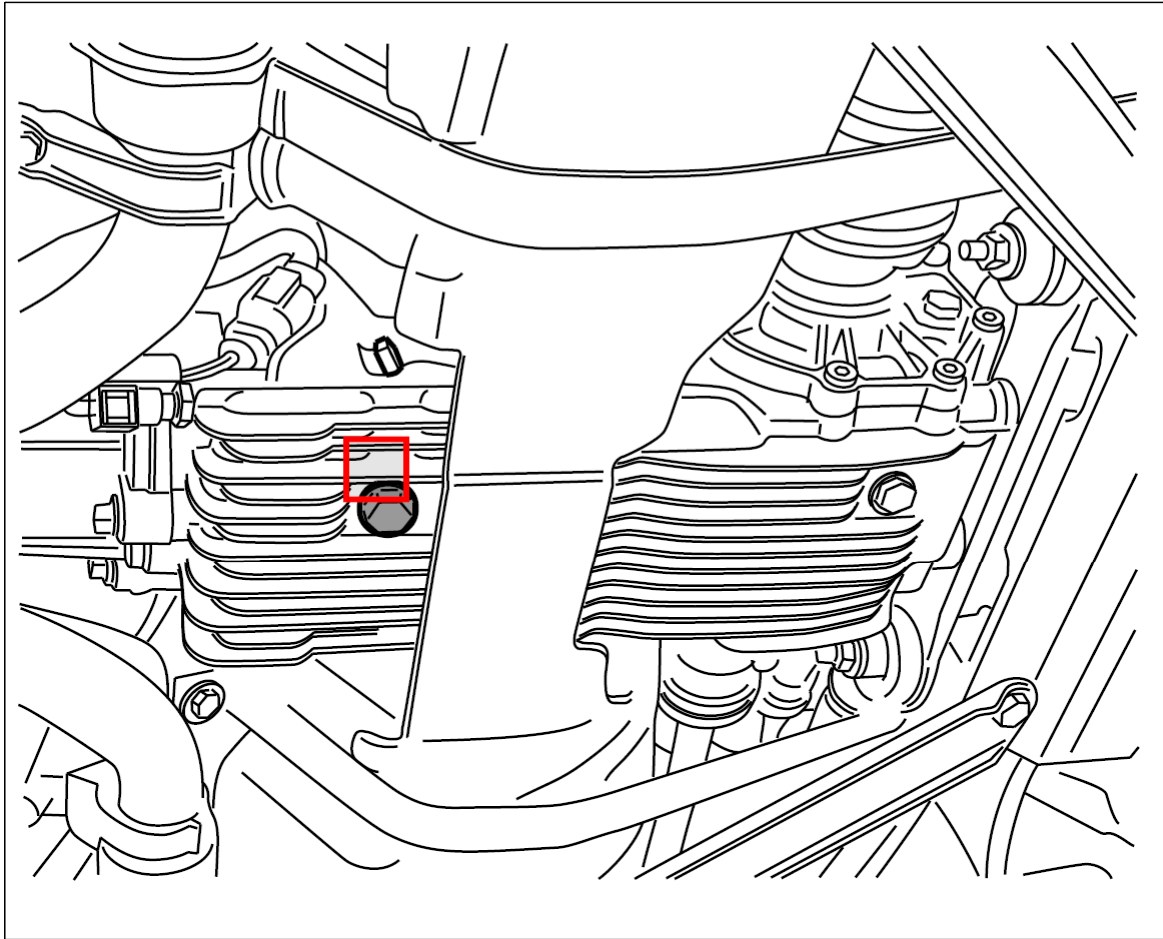
**Too much refrigerant oil in new air-conditioning compressor.**

- Risk of damage to air-conditioning components.

- Do not start engine.
- Do not tow the vehicle.

1. Clean oil drain plug and screw in with new sealing ring.

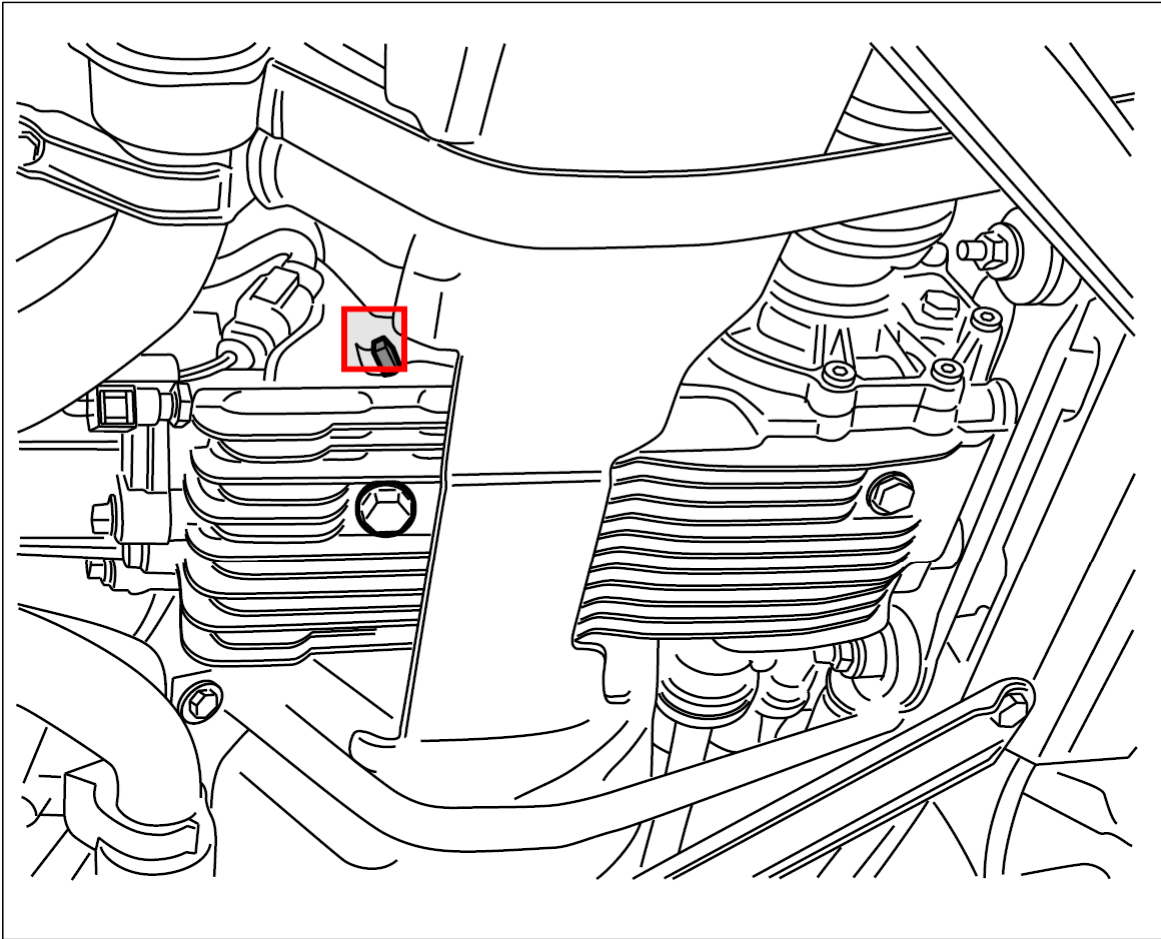
Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Oil drain plug for clutch fluid for front final drive		Tightening torque	28 Nm (21 ftlb.)		



*Oil drain plug for clutch fluid for front final drive*

2. Fill in transmission oil up to the bottom edge of the filler opening.
3. Clean oil filler screw and screw in with a new seal.

Location	Description	Type	Basic value	Tolerance 1	Tolerance 2
Oil filler screw for differential oil for front final drive		Tightening torque	28 Nm (21 ftlb.)		



*Oil filler screw for clutch fluid for front final drive*

## Subsequent work

### Subsequent work

1. Fit front underbody panel. → *519219 Removing and installing front cover - section on "Installing"*
2. Lower the vehicle.

997410, 997411, 997420, 997421, 997430, 997431, 997450, 997451, 997510, 997511, 997520, 997521, 997610, 997611, 997620, 997621, 997630, 997631, 997650, 997651, 997460, 997461, 997560, 997561, 997660, 997661

Model year as of 2009

C00, C02, C05, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C32, C33, C34, C35, C36, C37, C38, C39, C45, C46, C98, C99