

- Loosen bolts - **arrows** - of oil pan - **A** - in diagonal sequence and remove.

**Note:**

- *Some transmission oil remains in the oil pan because not all of it can drain out.*

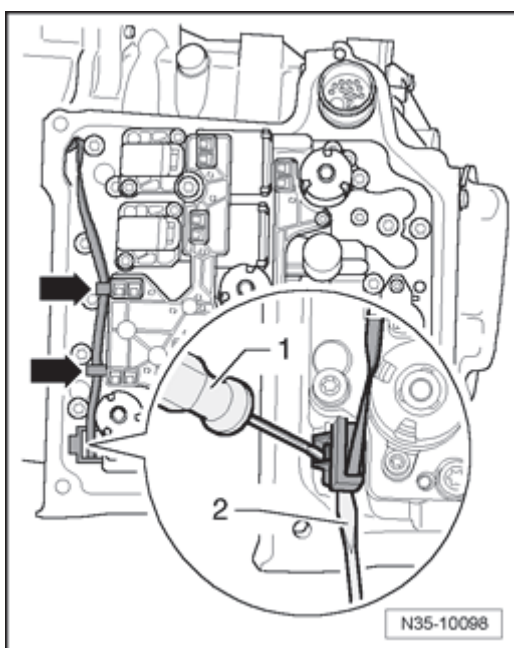
- Remove oil pan together with oil pan gasket.

- Always replace oil pan gasket.

cover for transmission oil pump and oil pan bolts must always be replaced.

**Caution!**

***If cover for transmission oil pump is not removed, the long Transmission Output Speed (RPM) Sensor G195 / Transmission Output Speed (RPM) Sensor 2 G196 on the rear side will be damaged when removing Direct Shift Gearbox (DSG) Mechatronic unit J743 .***



- Carefully release connector of Transmission Input Speed (RPM) Sensor G182 with Clutch Oil Temperature Sensor G509 using a small screwdriver - **1** - and simultaneously

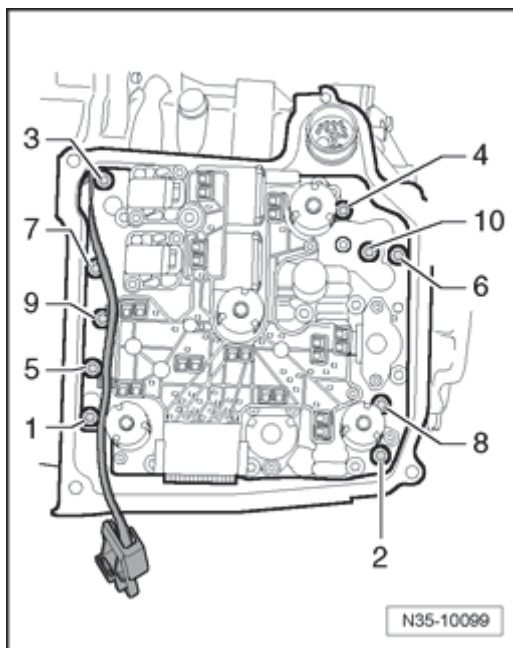
pry out carefully using a second screwdriver - **2** - .

**Note:**

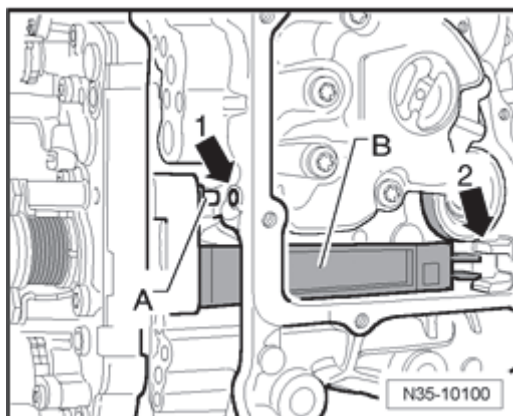
- *Do not pull on wire of connector! If wire is damaged, the Transmission Input Speed (RPM) Sensor G182 / Clutch Oil Temperature Sensor G509 must be replaced.*

- Disconnect connector without pulling on the wire.

- Remove wire from retaining tabs - **arrows** - .

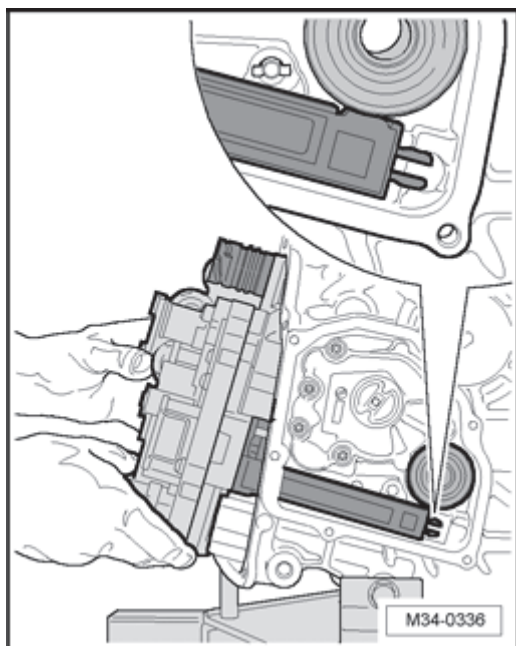


- Loosen and unscrew mounting bolts - **1** - to - **10** - in the specified sequence.



- Pull Mechatronic unit out of transmission housing far enough until sensor arm - **B** - on rear side is longer located in transmission housing.

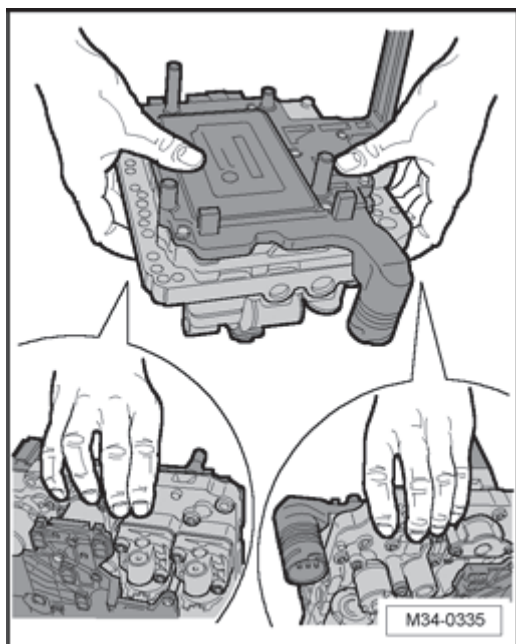
- Carefully swivel Direct Shift Gearbox (DSG) Mechatronic unit J743 downward.



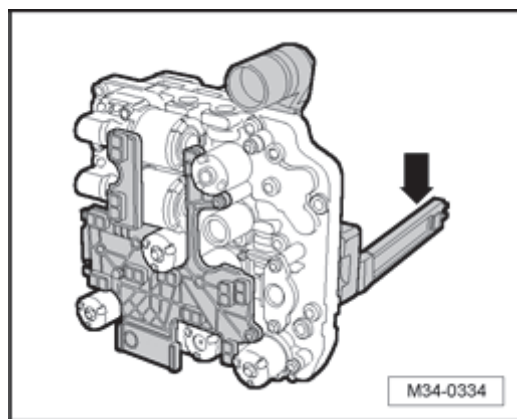
- Remove Direct Shift Gearbox (DSG) Mechatronic unit J743 .

**Caution!**

**Never lift up Mechatronic unit unit on sensor arm or set it down on it.**

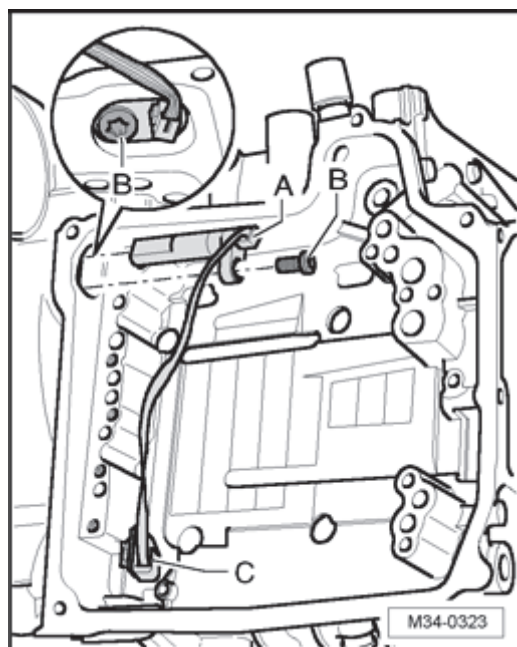


- Transport and store Mechatronic unit as depicted in the illustration.

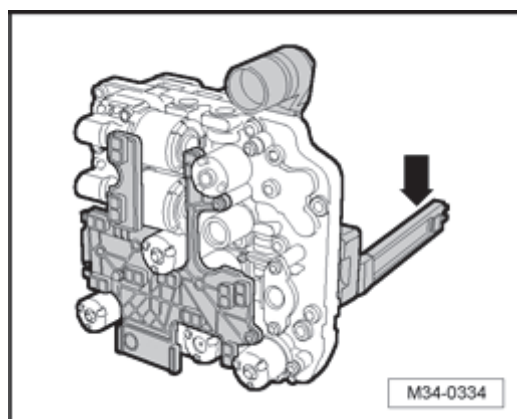


When handling Mechatronic unit, pay special attention to the long sensor arm - **arrow** - .

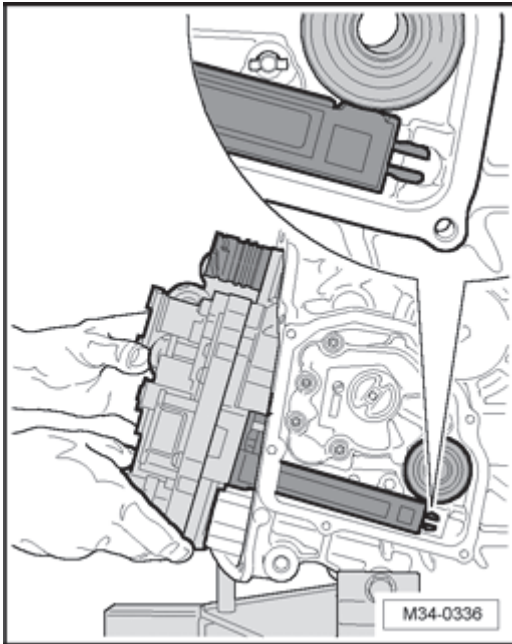
### Installing



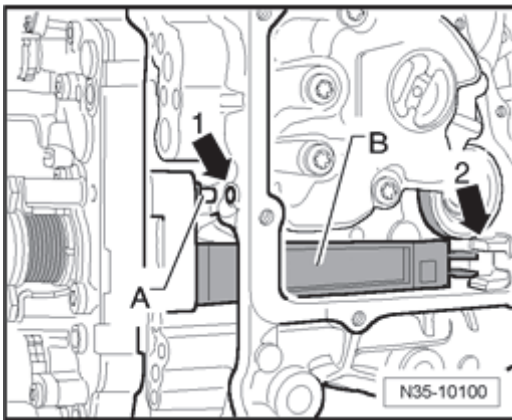
- Before installation, ensure that Transmission Input Speed (RPM) Sensor G182 and Clutch Oil Temperature Sensor G509 are installed.



**If sensor arm - arrow - is damaged, the Mechatronic unit must be replaced.**



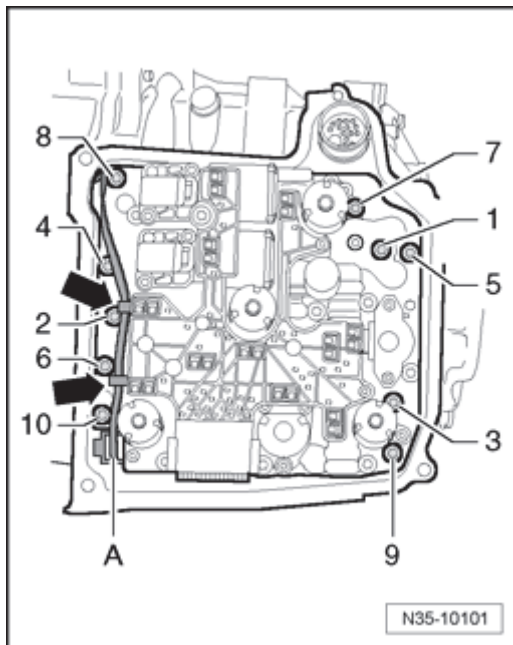
- Carefully place Direct Shift Gearbox (DSG) Mechatronic unit J743 into transmission housing.



- Make sure alignment pin - **A** - in transmission housing - **arrow 1** - and sensor arm - **B** - in guide - **arrow 2** - are seated correctly on transmission housing.

**Note:**

- Do not pinch wire of Transmission Input Speed (RPM) Sensor G182 and of Clutch Oil Temperature Sensor G509 .



- *Wire of connector - A - must not be pinched when installing Direct Shift Gearbox (DSG) Mechatronic unit J743 . If wire is damaged, the Transmission Input Speed (RPM) Sensor G182 / Clutch Oil Temperature Sensor G509 must be replaced.*
- *Long sensor on rear side of Direct Shift Gearbox (DSG) Mechatronic unit J743 must not be damaged.*

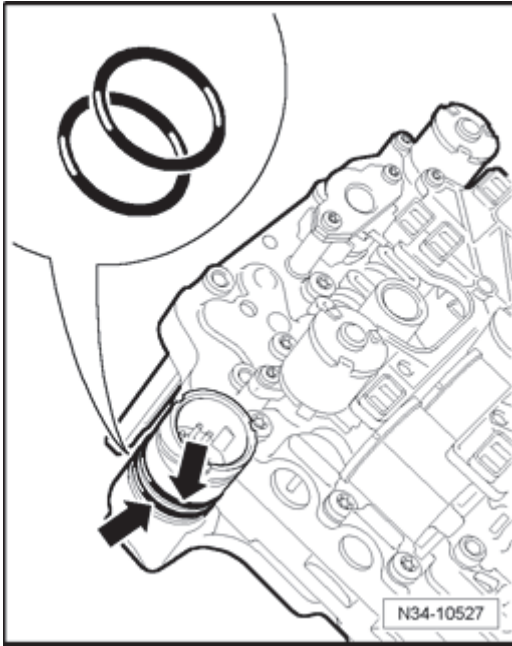
- Screw in new bolts - **1** - to - **10** - hand-tight.

- Tighten bolts in specified sequence to 5 Nm + 90 ° (  $\frac{1}{4}$  additional rotation).

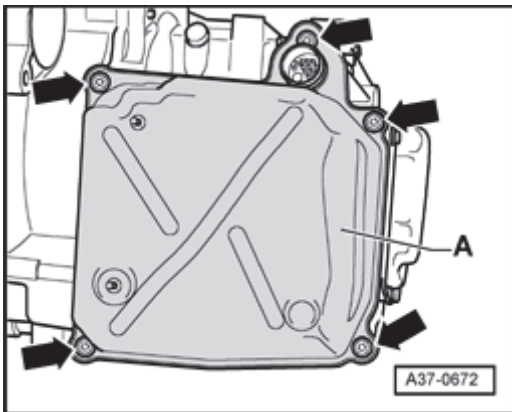
- Engage wire - **A** - first into top, then into bottom retaining tab - **arrows** - .

- Connect and engage connector.





- Replace both O-rings - **arrows** - on connection of Mechatronic unit.
- Coat O-rings with direct shift transmission oil.
- Clean sealing surfaces and eliminate oil residue.
- Make sure new oil pan gasket is seated correctly.
- Place oil pan on. Do not pinch lines when doing this.



- Screw in new bolts - **arrows** - for oil pan - **A** - and tighten in stages to 10 Nm in diagonal sequence.

