- 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 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 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 ° (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.