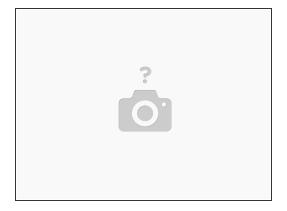


BMW X3 3.0d (E83) Plasticgear in the transfercase Replacement

Symptoms: 4x4, Brake, ABS warninglights are on. Only rearwheeldrive.

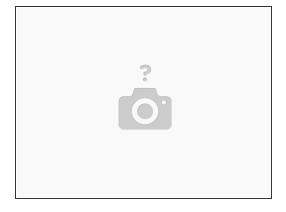
Written By: Veit Aulenberg

Step 1 — Lift the car up



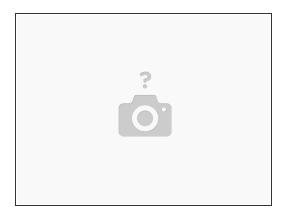
Lift your car with a carlift.

Step 2 — Transmissionjack



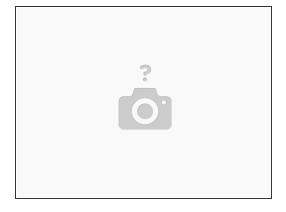
Place a transmissionjack under your transmission.

Step 3 — Remove Transmissioncarrier



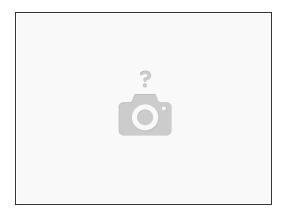
Remove the transmissioncarrier.

Step 4 — Remove Heatshield



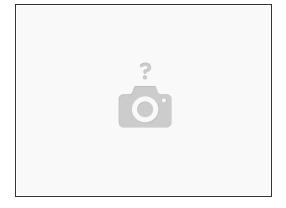
• Remove the heatshield (you can remove one screw and bend it back).

Step 5 — Remove Servomotor



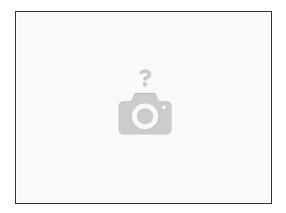
Remove the servomotor (four ET10 screws and the cable).

Step 6 — Remove Motor



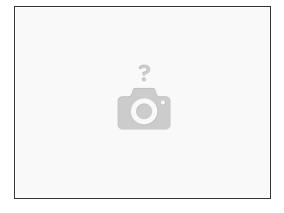
Remove the motor by uscrewing the four T25 screws.

Step 7 — Remove Gasket



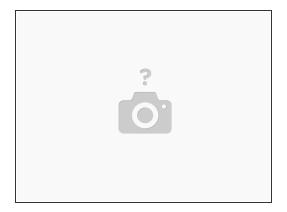
Remove the gasket with the metalplate.

Step 8 — Remove Snapring



Remove the snapring and the washer underneath.

Step 9 — Remove Plasticgear



Remove the plasticgear.

To reassemble your device, follow these instructions in reverse order.