

### **BMW ATC35L And ATC45L**

Around late 2009 early 2010 BMW introduced two new transfer cases, the ATC35L and the ATC45L.

The ATC35L is a gear driven transfer case. Which means there is no chain making for a more compact unit. This unit is used in the 1, 2, 3, 4, 5, 6 and 7 Series coupes & sedans and the X1.

The ATC45L is a chain driven transfer case used in the X3, X4, X5 and X6s. Both the 35L and 45L are electrically shifted and have clutch drums.

With the introduction of the ATC400 and ATC500 in the X3 and X5 respectively, BMW moved from a more traditional transfer case to the electric shifted clutch pack system.

These units have a drum with frictions and steels known as the clutch pack. The clutch pack is activated by the electric shift motor which receives information from various sensors in the vehicle.