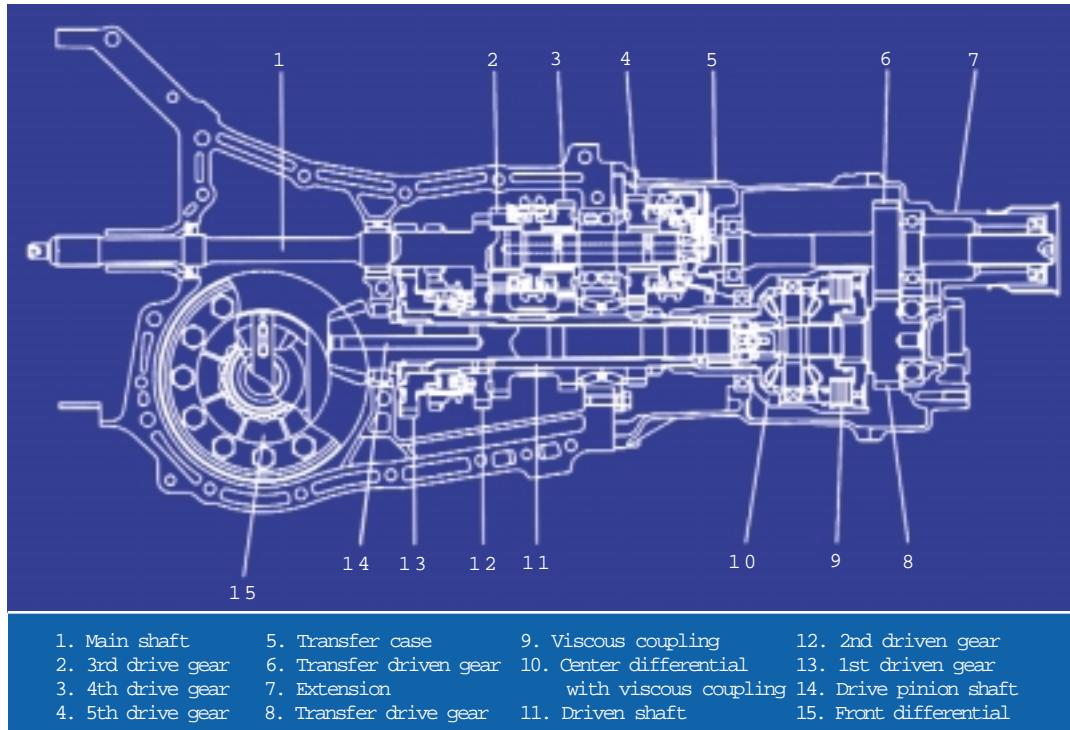


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Transmission/Rear Differential Gear Ratios



Driveability-related problems may be caused by incorrect gear ratios between the transmission and rear differential on 4EAT-equipped vehicles. Here's an example of how problems can get started:

- The car was repaired at an independent repair facility, where a used transmission and rear differential were installed.
- The car then returned to the dealer where the correct remanufactured Subaru transmission was installed. The vehicle now developed other problems.
- The dealer attempted to resolve the problem by installing three or four additional remanufactured transmissions into the same vehicle, thinking the problem was located in the transmission.

This solution did not work. The problem was in the rear differential ratios. Front and rear differential gear ratios must be checked before you replace the transmission. This will save you time and effort.

Driving a vehicle with different front and rear gear ratios, even for a short time, may cause permanent damage to the transfer clutches.

The same problem could also occur if the rear differential was replaced and the transmission gear ratio was incorrect.