

# L322 TD6 - GEARBOX UPGRADE



## WHAT AND WHY

This conversion is designed for the Range Rover L322 TD6 (2002-2006) with the M57 engine and GM 5L40E gearbox. It replaces the factory 5-speed automatic with a ZF6HP26X 6-speed automatic.

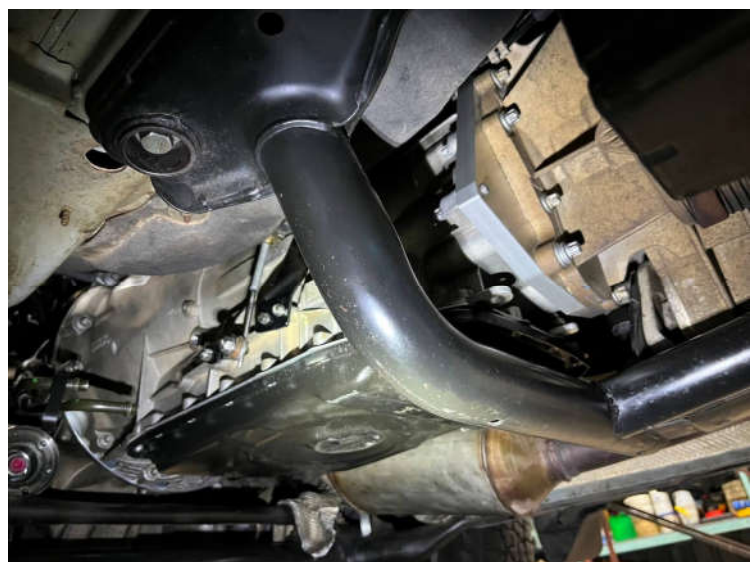
The original 5-speed is a known weak point, it is only rated for 340 Nm while the TD6 produces 390 Nm (detuned), they always break and can't be strengthened. The ZF6HP26 solves this having a torque capacity of 600 Nm capacity, enabling the possibility of significant performance upgrades.

## THE CONVERSION

The kit is engineered for a plug-and-play installation:

**No chassis modifications** - Original transfer case mounts, driveshafts, and gearbox footprint are retained.

**Original shifter and cable** - Retained and fully compatible with the new gearbox.



**Transmission cooler lines** - Connect via a supplied adapter block for the 6HP.

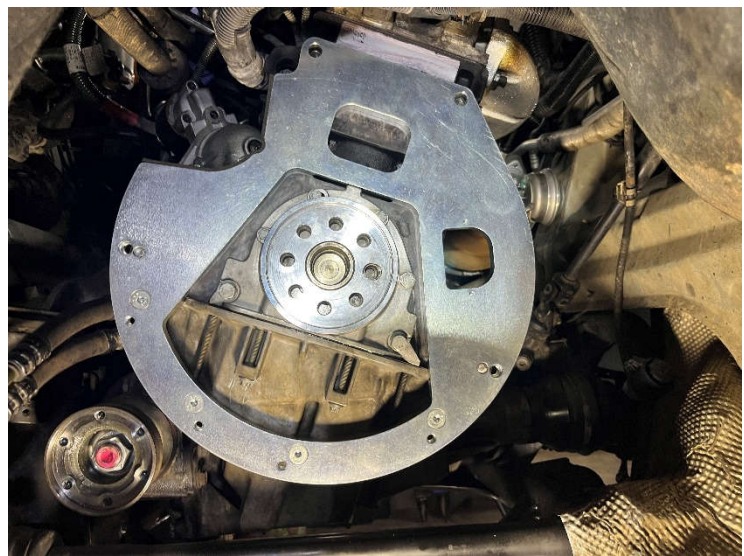
**Electronics** - 100% plug-and-play with OEM connectors; no soldering or wiring required.

**All OEM functions retained** - high range - low range, cruise control etc.



The ZF6HP26 was chosen for its gear ratios, closely matching the original 5-speed to maintain factory driving characteristics. Sixth gear offers slightly better fuel economy.

The gearbox uses the BMW factory TCU and tunes; this means the gearbox can also now be tuned using xHP via the K-Line. Full diagnostics available with the gearbox using INPA, PAssoft BMW scanner or any OBD scanner.



With its 600 Nm capacity, the ZF6HP26 unlocks the full potential of the bullet proof M57 motor, supporting remapping and performance upgrades such as bigger turbos, upgraded injectors, upgraded high pressure injection pump etc. without any worry of ending up on the side of the road with a failed

## Upgrade Your Drive - From GM Weak to ZF Strong

### KIT CONTENTS

- Engine adapter plate
- Transfer case adaptor plate
- Crank adaptor
- Electronic interface ECU
- 5L to 6HP adapter loom
- Cooler line adaptor block
- Modified shift lever
- Shift cable mounting bracket
- ECU adjustment for the 6<sup>th</sup> gear
- All required bolts
- Full install instructions (Electronic copy - PDF format)



### GET IN CONTACT

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### COST

**\$2960AUD**

### VISIT US



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