



## HOW TO DRAIN AND REFILL A ZF 6 SPEED AUTOMATIC TRANSMISSION

### STEP 1. Drain

- Place drain container under transmission
- Remove the transmission fluid drain plug (see black arrow on first picture)
- Remove and replace the sealing washer
- Allow the fluid to drain
- Replace drain plug and tighten

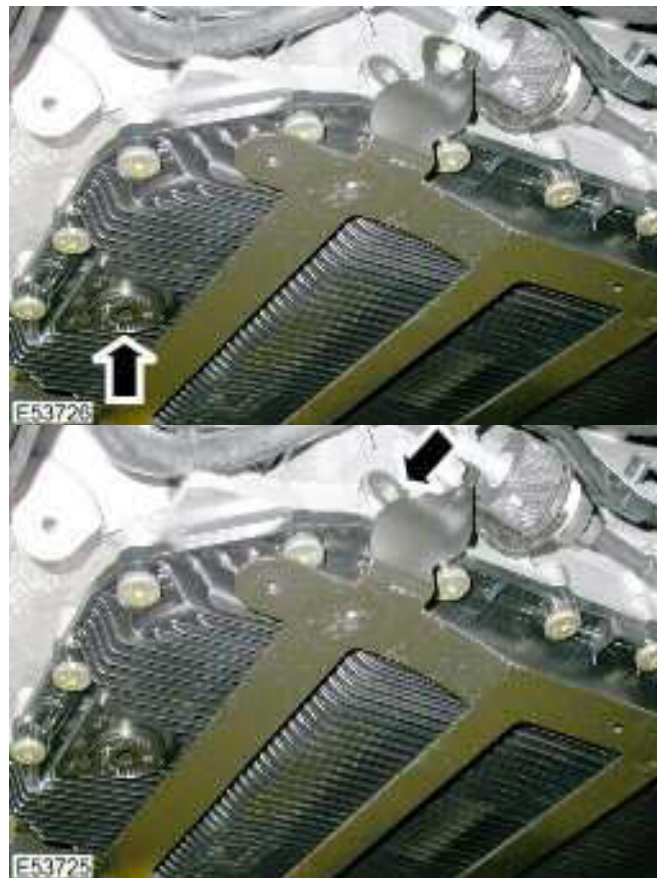
### Step 2. Refilling

- Remove the transmission filler plug (see black arrow in second picture) and wipe area clean
- Remove and replace the sealing washer with a new one.
- Fill transmission with 3.5 to 4.0L of Penrite SIN ATF transmission fluid, or until a small thread of transmission fluid trickles out.
- Replace filler plug and tighten

### Step 3. Check and top up transmission fluid

***Please note that it is extremely important to ensure that the transmission fluid level should only be checked when the fluid temperature is between 30°C and 50°C (ie must be warm to the touch)***

- The vehicle MUST be horizontal, (ie on a flat surface)
- Vehicle must be in park
- Parking brake must be on and the wheels locked
- Start the engine and move the gear selector through all positions, pausing in each gear for 2-3 seconds. Return to the 'P' position.
- Remove the filler plug and if no fluid loss is evident whilst the vehicle is at idle, continue to add fluid until fluid starts to run from the filler hole.
- Re-install the filler plug and tighten
- Clean surrounding area, lower vehicle and test drive



These transmissions are sensitive to fluid level, so please ensure that the correct amount of fluid is used as per the above procedure. It is highly recommended that power flush machines are not used to re-fill these transmissions. Many thanks to John Firth for providing this information.

