

# TECHNICAL BULLETIN



**ZF Automatic Transmission –  
Internal Damage Due to High Engine  
Speed in Park or Neutral**  
MODEL All (3.6L and 4.0L) 1988 MY ON      DATE 3/95

**44-26**

## ISSUE:

ZF automatic transmissions may be damaged by running the engine at high speed for prolonged periods with the transmission in PARK or NEUTRAL.

## ACTION:

If high engine speed operation is required for purposes such as emission testing, charging system testing, injector cleaning or A/C charging, observe the following precautions to avoid transmission damage.

**CAUTION: With the transmission in PARK or NEUTRAL,  
DO NOT EXCEED 2000 RPM  
DO NOT OPERATE THE ENGINE AT HIGH SPEED FOR PROLONGED PE-  
RIODS  
DO NOT OPERATE THE ENGINE AT HIGH SPEED TO ACHIEVE**

For service operations that require that the engine be at normal operating temperature, follow the procedure outlined below.

1. Drive the vehicle to bring it to operating temperature.
2. Shift to PARK and switch OFF the ignition.
3. Wait at least 30 seconds before restarting the engine.
4. Restart the engine with the transmission in PARK. During the service procedure, do not move the gear selector through the forward or reverse gears with the engine running.
5. Perform the service procedure. Observe the cautions above.
6. Following the service procedure, switch OFF the engine.
7. Wait at least 30 seconds before restarting the engine. Do not increase engine speed above idle before selecting a forward or reverse gear.