

Stall Speed

Test

CAUTION :

- To prevent transmission damage, do not test stall speed for more than 10 seconds at a time.
- Do not shift the lever while rising the engine speed.
- Be sure to remove the pressure gauge before testing stall speed.

1. Engage parking brake and block the front wheels.
2. Connect safety chains to both front two hooks and attach, with minimum slack, to some strong stationary object.
3. Connect tachometer, and start the engine.
4. After the engine has warmed up to normal operating temperature, shift into **2**.
5. Fully depress the brake pedal and accelerator for 6 to 8 seconds, and note engine speed.
6. Allow 2 minutes for cooling, then repeat same test in **D4**, and **R**.

NOTE: Stall speed in **D4**, **2** and **R** must be the same, and must also be within limits:

Stall Speed RPM :

Specification : 2,750 min⁻¹ (rpm)

Service Limit : 2,300—2,900 min⁻¹ (rpm)

TROUBLE	PROBABLE CAUSE
Stall rpm high in 2 , D4 and R .	<ul style="list-style-type: none">• Low fluid level• Faulty oil pump• Clogged oil strainer• Pressure regulator valve stuck closed
Stall rpm high in R only	<ul style="list-style-type: none">• Slippage of 4th clutch
Stall rpm high in 2 only	<ul style="list-style-type: none">• Slippage of 2nd clutch
Stall rpm high in D4 only	<ul style="list-style-type: none">• Slippage of 1st clutch or one-way clutch
Stall rpm high in 2 , D4 and R .	<ul style="list-style-type: none">• Engine output low• Engine throttle valve not in full open position• Torque converter one-way clutch slipping

