

# 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 **[D]**, **[S]**, and **[R]**.

Stall speed in **[D]**, **[S]**, **[2]** and **[R]** must be the same, and must also be within limits:

### NOTE:

Stall speed test must be made only for checking the cause of trouble.

### Stall Speed RPM:

(Carbureted Engine)

Standard: 2,700 min<sup>-1</sup> (rpm)

Service Limit: 2,550–2,850 min<sup>-1</sup> (rpm)

(Fuel Injected Engine)

Standard: 2,750 min<sup>-1</sup> (rpm)

Service Limit: 2,600–2,900 min<sup>-1</sup> (rpm)

TROUBLE	PROBABLE CAUSE
Stall rpm high in <b>[D]</b> , <b>[S]</b> , <b>[2]</b> & <b>[R]</b>	<ul style="list-style-type: none"> <li>• Low fluid level or oil pump output.</li> <li>• Clogged oil strainer.</li> <li>• Pressure regulator valve stuck closed.</li> <li>• Slipping clutch.</li> </ul>
Stall rpm high in <b>[R]</b>	<ul style="list-style-type: none"> <li>• Slippage of 4th clutch</li> </ul>
Stall rpm high in <b>[2]</b>	<ul style="list-style-type: none"> <li>• Slippage of 2nd clutch</li> </ul>
Stall rpm high in <b>[D]</b> & <b>[S]</b>	<ul style="list-style-type: none"> <li>• Slippage of 1st clutch or 1st gear one-way clutch</li> </ul>
Stall rpm low in <b>[D]</b> , <b>[S]</b> , <b>[2]</b> & <b>[R]</b>	<ul style="list-style-type: none"> <li>• Engine output low</li> <li>• Torque converter one-way clutch slipping</li> </ul>



