

## ENGINE LACKS POWER

### 1. Drive Train Inspection

Raise wheel off the ground and spin by hand.

*Did the wheel spin freely?*

- NO – • Brake dragging  
• Worn or damaged wheel bearings

YES – GO TO STEP 2.

### 2. Tire Pressure Inspection

Check the tire pressure.

*Is the tire pressure correct?*

- NO – • Faulty tire valve  
• Punctured tire

YES – GO TO STEP 3.

### 3. Clutch Inspection

Accelerate rapidly, shift from first to second.

*Did the engine speed change accordingly when clutch is released?*

- NO – • Clutch slipping  
• Worn clutch discs/plates  
• Warped clutch discs/plates  
• Weak clutch spring  
• Additive in engine oil

YES – GO TO STEP 4.

### 4. Engine Performance Inspection

Accelerate lightly.

*Did the Engine speed increase?*

- NO – • Dirty air cleaner  
• Restricted fuel flow  
• Clogged muffler

YES – GO TO STEP 5.

### 5. Spark Plug Inspection

Remove and inspect spark plugs.

*Are the spark plugs in good condition?*

- NO – • Plugs not serviced frequently enough  
• Incorrect spark plug heat range  
• Incorrect spark plug gap

YES – GO TO STEP 6.

### 6. Engine Oil Inspection

Check the oil level and condition.

*Is the engine oil in good condition?*

- NO – • Oil level too high  
• Oil level too low  
• Contaminated oil

YES – GO TO STEP 7.

### 7. Ignition Timing Inspection

Check the ignition timing.

*Is the ignition timing as specified?*

- NO – • Faulty engine control module (ECM)  
• Faulty ignition pulse generator  
• Improper valve timing

YES – GO TO STEP 8.