
ENGINE LACKS POWER

1. Engine Oil Inspection

Check the oil level and condition.

Is the oil level correct and the oil in good condition?

YES – GO TO STEP 2.

NO –

- Oil level too high
- Oil level too low
- Contaminated oil

2. Wheel Inspection

Raise the rear wheel off the ground and spin it by hand.

Does the wheel spin freely?

YES – GO TO STEP 3.

NO –

- Brake dragging
- Worn or damaged final reduction and driven pulley bearings
- Bent final gear shaft

3. Tire Pressure Inspection

Check the tire pressure.

Is the tire pressure correct?

YES – GO TO STEP 4.

NO –

- Faulty tire valve
- Punctured tire

4. Spark Plug Inspection

Remove and inspect the spark plug.

Is spark plug in good condition?

YES – GO TO STEP 5.

NO –

- Plug not serviced frequently enough
- Incorrect spark plug heat range
- Incorrect spark plug gap
- Dirty air cleaner element

5. Ignition Timing Inspection

Check the ignition timing.

Is the ignition timing correct?

YES – GO TO STEP 6.

NO –

- Faulty ECM
- Faulty CKP sensor
- Improper valve timing

6. Cylinder compression Inspection

Test the cylinder compression.

Is the compression within specification?

YES – GO TO STEP 7.

NO –

- Valve stuck open
- Worn cylinder and piston rings
- Damaged cylinder head gasket
- Seized valve
- Incorrect valve seat contact
- Improper valve timing