

## DIY - Changing the Valve Lifters

### Removal

1. Remove rear heater blower assembly
2. Remove air cleaner assembly
3. Remove rear wheels
4. Remove mufflers, tips, brackets and black heater hoses
5. Disconnect lower spark plug boots
6. Remove engine tins
7. Disconnect upper spark plug boots
8. Remove valve covers
9. Remove spark plugs

### Prep

1. Soak new valve lifters overnight in fresh engine oil.
2. Clean valve covers and fasteners.

### Install

1. Bring engine to TDC for #1 cylinder
2. Remove intake rocker and pull out old lifter
3. Clean rocker, rocker shaft and fasteners
4. Insert new valve lifter into rocker and install (13 Nm). Apply oil to sliding surfaces.
5. Repeat steps 2-4 for exhaust valve
6. Rotate engine 120 degrees

Repeat steps 2-6 for the remaining cylinders in firing order (1-6-2-4-3-5)

7. Refit spark plugs (30 Nm)
8. Refit valve covers (9.7 Nm)
9. Refit upper spark plug boots
10. Refit engine tins
11. Refit lower spark plug boots
12. Refit mufflers, tips, brackets and black heater hoses
13. Refit air cleaner assembly
14. Start engine and check operation
15. Refit rear heater blower assembly
16. Refit rear wheels (130 Nm)
17. Test drive and check operation