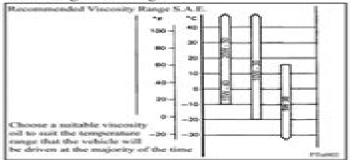
#### ENGINE TUNE-UP & MAINTENANCE

#### Oil Specification

#### VIE-VY:

V6 & 5.0 litre V8; Use classification SG or SH, viscosity grade 20w/50 for general use and high ambient temperatures. If using vehicle for prolonged periods in snow areas use viscosity grade of 15w/40, this will assist engine starting.



GenIII V8: Use classification SJ - GF2 viscosity grade 10w-30

Note: Use only low phosphorous engine oils or contamination of catalytic convertor may result.

V6: SG or SH, viscosity grade 5W30.

GenHI/IV: SJ, viscosity grade GF3 5W30 or 100W30

#### Oil Pressure

Check oil pressures with engine at operating temperature and oil at correct level on the dipstick.



- Remove the oil pressure switch/gauge sender unit
- 2. Fit the oil pressure gauge adapter and pressure SCHOOL SECTION
- 3. Start engine and allow to idle, check the pressure gauge reading and take note of pressure.



#### Oil Pressure:

#### VT-VY:

V6 & V6 Supercharged @	1850 rpm375 kpa
	48 kpa
	276-414 kpa
GenIII V8 @ 2,000 rpm	125 kPa (Min, Hot)
GenIII V8 @ 4,000 rpm	
MY:	

V6 @ Idle	69 kPa
V6 @ 2000 rpm	138 kPa
GenIII & GenIV V8	@1,000 rpm 45kPa (Min Hot)
	@2,000 rpm 125kPa (Min Hot)
	@4,000 rpm 165kPa (Min Hot)

#### COMPRESSION CHECK

Refer to appropriate Engine chapter for your specific vehicle for detailed procedures for performing engine compression check.

#### OIL FILTER

The oil filter should be replaced at the vehicles scheduled service intervals or when the engine oil is contaminated ins amoy weavy.

Note: It is common practise to always replace the oil filter when the oil is changed.

#### Replacement Oil Filter - External VT-VY - V6 & All V8 models

- Unscrew the oil filter with a suitable oil filter wrench. then remove and discard the filter
- 2. Make sure that the seal is fitted correctly in the recess in the new oil filter.
- a) Pour some clean engine oil into the filter, until level is approximately 2 cms below top of filter
- b) Smear some engine oil over the filter seal
- c) Screw the filter into place until the seal contacts mating surface of adaptor, then tighten through a further 2/3 of a turn.
- 3. Clean any excess oil from filter and adaptor

# **Vt Commodore Manual**

**RD Boyd** 



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