

Maintenance and Care

Owner Maintenance

Engine Oil

NOTE

The Mazda RX-8 requires regular checking of the engine oil level. The compact, high performance RENESIS rotary engine in your vehicle consumes a small amount of engine oil due to its structural design. An oil pump optimizes the amount of oil injected to lubricate the rotor seals in the combustion cycle. Although your vehicle is equipped with an engine oil level warning light and an engine oil pressure gauge, it is best to keep the engine oil level in the range between full and low by checking the oil dipstick regularly. Mazda recommends checking the oil level at every second fuel filling. The oil consumption of the engine depends on engine speed and engine load. Under extreme driving conditions, oil consumption can be higher.

▼ Recommended Oil

Use SAE 5W-20 engine oil.

Oil container labels provide important information.

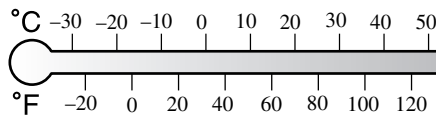
A chief contribution this type of oil makes to fuel economy is reducing the amount of fuel necessary to overcome engine friction.

U.S.A. and CANADA



(ILSAC)

Only use oils “Certified For Gasoline Engines” by the American Petroleum Institute (API). An oil with this trademark symbol conforms to the current engine and emission system protection standards and fuel economy requirements of the International Lubricant Standardization and Approval Committee (ILSAC), comprised of U.S. and Japanese automobile manufacturers.



5W-20

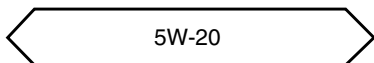
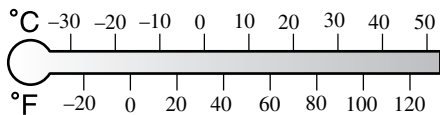
Maintenance and Care Owner Maintenance

Except U.S.A. and CANADA



(ILSAC)

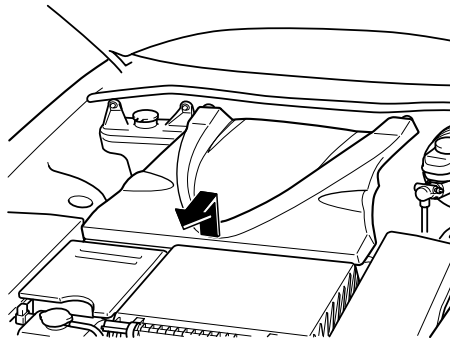
The quality designation SL, or ILSAC must be on the label.



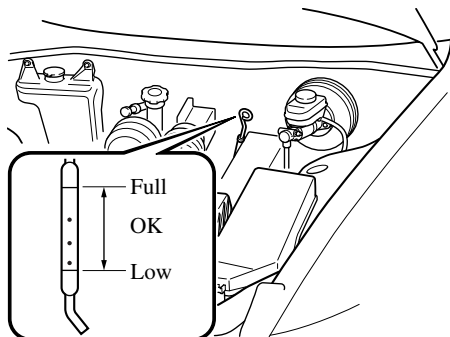
▼ Inspecting Engine Oil Level

1. Be sure the vehicle is on a level surface.
2. Warm up the engine to normal operating temperature.
3. Turn it off and wait at least 5 minutes for the oil to return to the oil pan.

4. Remove the engine cover.



5. Pull out the dipstick, wipe it clean, and reinsert it fully.



6. Pull it out again and examine the level. It's OK between L and F. But if it's near or below L, add enough oil to bring the level to F.

⚠ CAUTION

Don't add engine oil over F. This may cause engine damage.

The distance between L and F on the dipstick represents the following:

Oil capacity	
L (US qt, Imp qt)	1.7 (1.8, 1.5)