

Service Information

Mazda Motor Corporation

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Category C	Technical	Ref. No. E017/06	Page 1 of 1
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued July 7, 2006	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep.		Date Revised	
Applicable Model RX-8, RX-7	Applicable Countries or Specifications European Market		

Subject: Rotary Engine Oil (Prohibition of Use of Synthetic Engine Oil)

DESCRIPTION

If synthetic engine oil is used on rotary engine, there is a possibility that carbon deposit may get accumulated, which will cause some trouble in the engine.

Please advise your customers to use only Mazda genuine engine oil or equivalent mineral oil on the rotary engine. Mazda do not recommend that our customers use synthetic or semi-synthetic engine oils that our R&D has not evaluated.

Mazda recommends DEXELIA ULTRA 5W30 (ACEA A5/B5) for use in Mazda rotary engines.

The following is a sample of carbon deposit appears on the rotary engine in which synthetic engine oil is used.



A large amount of sticky carbon deposit is accumulated in the inlet port on the side housing. If the carbon deposit is accumulated in the combustion chamber, it will get to the plug hole and seal, resulting in misfire and/or knocking.

As for the Owners Manual of RX-8, it will be revised by adding this notation as per the following schedule. (The revised section is "Owner Maintenance", Section 8 "Engine Oil".)

The Owners Manual will not be revised, but leaflet has been included since July 1, 2006 production vehicles.

K. Tsuji

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