

Engine Lubrication System Trouble in General

LUBRICATION

10. Engine Lubrication System Trouble in General

A: INSPECTION

Before performing diagnostics, make sure that the engine oil level is correct and no oil leakage exists.

Trouble	Possible cause	Corrective action
Warning light remains ON.	a. Oil pressure switch failure	
	<input type="radio"/> Cracked diaphragm or oil leakage within switch	Replace.
	<input type="radio"/> Broken spring or seized contacts	Replace.
	b. Low oil pressure	
	<input type="radio"/> Clogging of oil filter	Replace.
	<input type="radio"/> Malfunction of oil by-pass valve in oil filter	Replace.
	<input type="radio"/> Malfunction of oil relief valve in oil pump	Clean or replace.
	<input type="radio"/> Clogged oil passage	Clean.
	<input type="radio"/> Excessive tip clearance and side clearance of oil pump rotor	Replace.
	<input type="radio"/> Clogged oil strainer or broken pipe	Clean or replace.
	c. No oil pressure	
	<input type="radio"/> Insufficient engine oil (degradation, etc.)	Replace.
Warning light does not illuminate.	<input type="radio"/> Broken pipe of oil strainer	Replace.
	<input type="radio"/> Stuck oil pump rotor	Replace.
	a. Malfunction of combination meter	Replace.
Warning light flickers momentarily.	b. Poor contact of switch contact points	Replace.
	c. Disconnection of wiring	Repair.
	a. Defective terminal contact	Repair.
	b. Defective wiring harness	Repair.
	c. Oil pressure switch failure	
	<input type="radio"/> Cracked diaphragm or oil leakage within switch	Replace.
	<input type="radio"/> Broken spring or seized contacts	Replace.
	d. Low oil pressure	
	<input type="radio"/> Clogging of oil filter	Replace.
	<input type="radio"/> Malfunction of oil by-pass valve in oil filter	Replace.
	<input type="radio"/> Malfunction of oil relief valve in oil pump	Clean or replace.
	<input type="radio"/> Clogged oil passage	Clean.
	<input type="radio"/> Excessive tip clearance and side clearance of oil pump rotor	Replace.
	<input type="radio"/> Clogged oil strainer or broken pipe	Clean or replace.

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