



Maintenance

Lubricants and Fluids3-2

Maintenance Minder

General Information3-4

Maintenance Main Items 3-8

Maintenance Sub Items3-9

Lubricants and Fluids

For the details of the lubrication points and type of lubricants to be applied, refer to the illustrated index and the various work procedures (such as Assembly/Reassembly, Replacement, Overhaul, Installation, etc.) contained in each section.

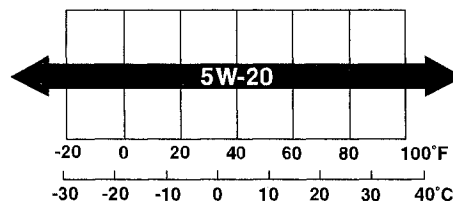
Lubrication Points		Lubricant
A	Engine	Acura Motor Oil: American Honda P/N 08798-9023A (5W-20), Honda Canada P/N CA66808 (5W-20) Look for the API certification seal on the oil container. Make sure it says "For Gasoline Engines." SAE viscosity: See chart.
B	Manual transmission	Acura Manual Transmission Fluid (MTF): American Honda P/N 08798-9031A Honda Canada P/N 08798-9033C Always use Acura MTF. Using motor oil can cause stiffer shifting because it does not contain the proper additives.
C D	Automatic transmission Rear differential (SH-AWD models)	Acura Automatic Transmission Fluid (ATF-Z1): American Honda P/N 08200-9001A, Honda Canada P/N CA66704 Always use Acura ATF-Z1. Using a non-Acura ATF can affect shift quality.
E	Transfer assembly (SH-AWD models)	Hypoid gear oil GL4 or GL5 Use a SAE 90 viscosity hypoid gear oil, API classified GL4 or GL5 only. Viscosity SAE 90: above 0 °F (-18 °C)
F G	Brake system (including VSA lines) Clutch system (manual transmission)	Acura DOT 3 Brake Fluid: P/N 08798-9008A Always use Acura DOT 3 Brake Fluid. Using a non-Acura brake fluid can cause corrosion and decrease the life of the system.
H I J K L M N	Brake booster clevis pin Clutch master cylinder clevis pin (manual transmission) Release fork (manual transmission) Battery terminals Fuel fill door Hood hinges and hood latch Trunk hinges	Multipurpose grease
O P	Shift cable ends (manual transmission) Caliper piston boots, caliper piston seals, caliper pins, and caliper pin boots	Honda Silicone Grease: P/N 08C30-B0234M
Q	Parking brake shoe linkage	Molykote 44MA Grease
R	Air conditioning compressor	Compressor Oil: DENSO ND-OIL 8 (P/N 38897-PR7-A01AH) for refrigerant HFC-134a (R-134a)
S	Cooling system	Acura Long Life Antifreeze/Coolant-Type2: P/N 0L999-9011A

API CERTIFICATION SEAL



Recommended Engine Oil

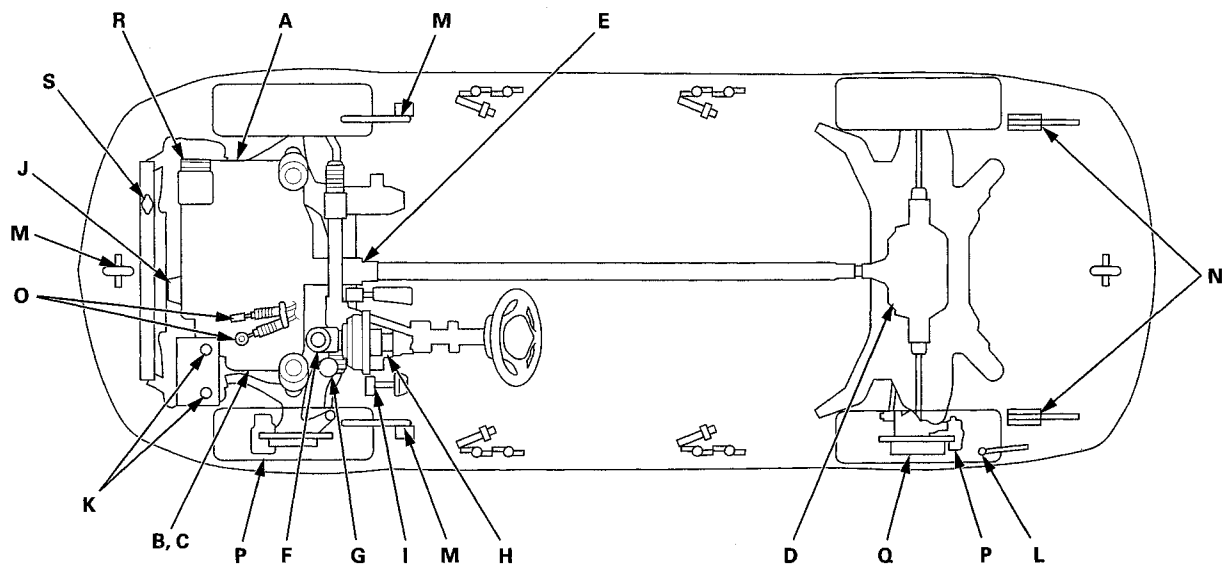
Engine oil viscosity for ambient temperature ranges





NOTE:

- Lubricate the following areas using the recommended lubricants and fluids.
- In corrosive areas, more frequent lubrication is necessary.



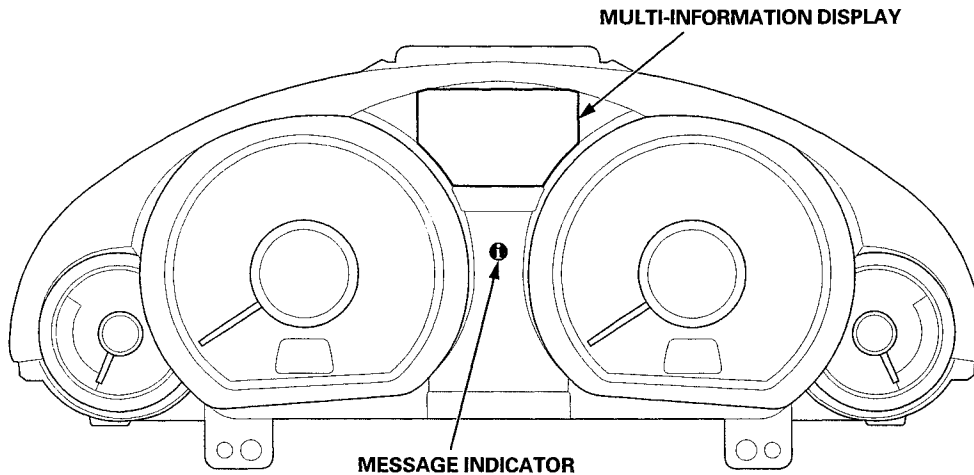
Maintenance Minder

General Information

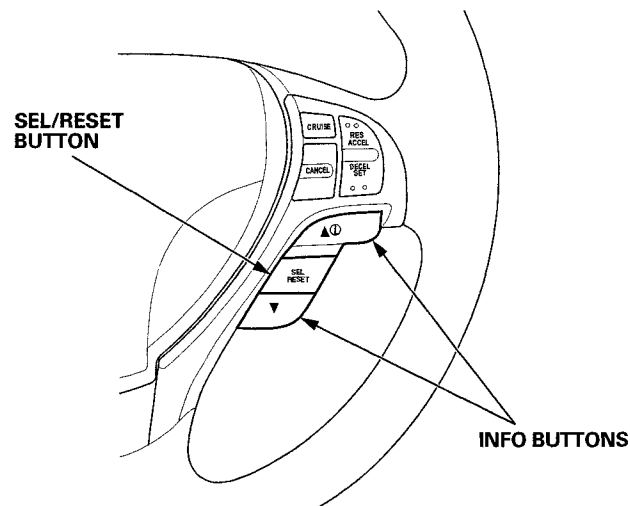
Maintenance Display

The maintenance minder is an important feature of the multi-information display. Based on engine and transmission operating conditions, and accumulated engine revolutions, the TL's onboard computer (ECM/PCM) calculates the remaining engine oil and the transmission fluid life. The system also displays the remaining engine oil life along with the code(s) for other scheduled maintenance items needing service.

Meter:



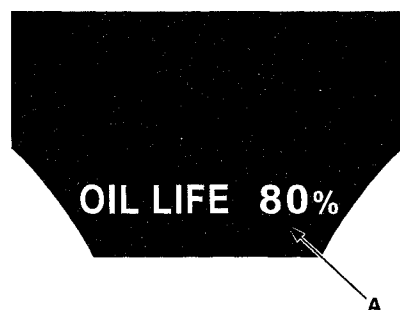
Steering Wheel:





Service Information

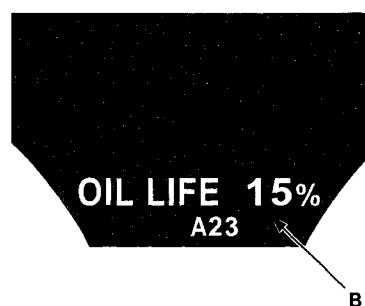
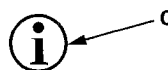
1. The remaining engine oil life (A) is shown as a percentage in the multi-information display. To see the current engine oil life, turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode then push and release the SEL/RESET button repeatedly until the engine oil life displays.



2. When the ignition switch is ON (II) or the vehicle ignition in the ON mode and the remaining engine oil life is 15 % to 6 %, the remaining engine oil life and other scheduled maintenance item(s) needing service are displayed.

The maintenance system message "SERVICE DUE SOON" (A) also comes on. To cancel the message, press the INFO button. The display continues to show the remaining engine oil life (B) and the message indicator (C) until it is reset.

- Complete list of maintenance main items (D) (see page 3-8).
- Complete list of maintenance sub items (E) (see page 3-9).



(cont'd)

Maintenance Minder

General Information (cont'd)

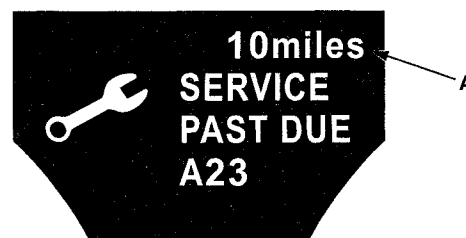
3. When the ignition switch is ON (II) or the vehicle ignition in the ON mode and the remaining engine oil life is 5 % to 1 %, the maintenance system message "SERVICE DUE NOW" is displayed along with the same maintenance item code(s). If the maintenance system message display is canceled, a "SERVICE" message appears.



4. When the ignition switch is ON (II) or the vehicle ignition in the ON mode and the remaining engine oil life is 0 %, the maintenance system message "SERVICE PAST DUE" is displayed along with the same maintenance item code(s).



5. If the indicated maintenance is not done, the "SERVICE PAST DUE" message shows a negative mileage, for example "10," on the display. If the negative mileage is between 0 and 9, the message is displayed for only a few seconds when the ignition switch is turned to ON (II), or press the engine start/stop button to select the ON mode. The negative mileage (A) remains displayed after the vehicle is driven more than 10 miles (for USA models) or 10 km (for Canada models) after 0 % oil life is reached, and the display cannot be canceled. This means the indicated maintenance item(s) should have been done more than 10 miles (or 10 km) ago.





Resetting the Maintenance Information Display

NOTE:

- The vehicle must be stopped to reset the display.
- If a required service is done and the display is not reset, or if the maintenance display is reset without doing the service, the system will not show the proper maintenance timing. This can lead to serious mechanical problems because there will be no accurate record of when the required maintenance is needed.
- The engine oil life and maintenance item(s) can be independently reset with the HDS.

1. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
2. If system message(s) are displayed, press the INFO button to cancel the display.
3. Push and release the SEL/RESET button repeatedly until the engine oil life indicator is displayed.
4. Press and hold the SEL/RESET button for about 10 seconds, the "OIL LIFE RESET" mode display appears.

NOTE:

- If you are resetting the display when the engine oil life is more than 15 %, make sure any maintenance item(s) requiring service are done before resetting the display.
- To cancel the "OIL LIFE RESET" mode, press the INFO button repeatedly until the "CANCEL" indicator is displayed, then press the SEL/RESET button.



5. Press the INFO button to select "RESET," then press the SEL/RESET button. The maintenance item code(s) will disappear, and the engine oil life will reset to "100".



Resetting Individual Maintenance Items

1. Connect the Honda Diagnostic System (HDS) to the data link connector (DLC) (see step 2 on page 11-3).
2. Turn the ignition switch to ON (II), or press the engine start/stop button to select the ON mode.
3. Make sure the HDS communicates with the vehicle and the powertrain control module (ECM/PCM). If it doesn't communicate, troubleshoot the DLC circuit (see page 11-258).
4. Select BODY ELECTRICAL with the HDS.
5. Select ADJUSTMENT in the GAUGES MENU with the HDS.
6. Select RESET in the MAINTENANCE MINDER with the HDS.
7. Select the individual maintenance item you wish to reset.

Maintenance Minder

Maintenance Main Items

If the message "SERVICE DUE NOW" does not appear more than 12 months after the display is reset, change the engine oil every year.

NOTE:

- Independent of the maintenance messages in the multi-information display, replace the brake fluid every 3 years.
- Inspect idle speed every 160,000 miles (256,000 km).
- Adjust the valves during services A, B, 1, 2 or 3 only if they are noisy.

Symbol	Maintenance Main Items
A	Replace engine oil (see page 8-12) Engine oil capacity without oil filter: 4.0 L (4.2 US qt).
B	Replace engine oil and oil filter (see page 8-13) Engine oil capacity with oil filter: 4.3 L (4.5 US qt).
	Check front and rear brakes (see page 19-3) • Check pads and discs for wear (thickness), damage, and cracks. • Check calipers for damage, leaks, and tightness of mounting bolts.
	Check parking brake adjustment (see page 19-8) Number of clicks (6 to 8) when the parking brake lever is pulled with 196 N (20 kgf, 44 lbf) of force.
	Inspect tie-rod ends, steering gearbox, and gearbox boots (see page 17-5) • Check steering linkage. • Check boots for damage and leaking grease.
	Inspect suspension components (see page 18-3) • Check bolts for tightness. • Check condition of ball joint boots for deterioration and damage.
	Inspect driveshaft boots (see page 16-4) Check boots for cracks and boot bands for tightness.
	Inspect brake hoses and lines including VSA lines (see page 19-38) Check the master cylinder and VSA modulator-control unit for damage and leakage.
	Inspect all fluid levels and condition of fluids • Engine coolant (see page 10-6) • Manual transmission fluid (MTF) (see page 13-14) • Automatic transmission fluid (ATF) (see page 14-202) • Transfer fluid (SH-AWD models) M/T (see page 13-102), A/T (see page 14-205) • Rear differential fluid (SH-AWD models) (see page 15-68) • Clutch fluid (see page 12-5) • Brake fluid (see page 19-10) • Windshield washer fluid
	Inspect exhaust system (see page 9-9)* Check catalytic converter heat shields, exhaust pipes, and muffler for damage, leaks, and tightness.
	Inspect fuel lines* Without SH-AWD (see page 11-372) With SH-AWD (see page 11-374) and connections* Without SH-AWD (see page 11-376) With SH-AWD (see page 11-377) Check for loose connections, cracks, and deterioration; retighten loose connections and replace damaged parts.

NOTE: According to state and federal regulations, failure to do the maintenance items marked with an asterisk (*) will not void the client's emissions warranties. However, Acura recommends that all maintenance services be done at the recommended interval, to ensure long-term reliability.



Maintenance Sub Items

Number	Maintenance Sub Items
1	Rotate tires, and check tire inflation and condition Follow the pattern shown in the Owner's Manual.
2	Replace air cleaner element (see page 11-422) If the vehicle is regularly driven in dusty conditions, replace every 15,000 miles (24,000 km). Replace dust and pollen filter (see page 21-108) - If the vehicle is driven mostly in areas that have high concentrations of dust, pollen, or soot in the air, replace every 15,000 miles (24,000 km). - Replace the filter whenever airflow from the heating and air conditioning system is less than normal. Inspect drive belt (see page 4-43) Look for cracks and damage, and inspect auto-tensioner; no adjustment is needed.
3	Replace manual transmission fluid (MTF) (see page 13-14) Capacity: 2.1 L (2.2 US qt); use Acura MTF. Replace automatic transmission fluid (ATF) (see page 14-203) and transfer fluid (SH-AWD models) (see page 14-205) - Automatic transmission fluid capacity Without SH-AWD: 3.3 L (3.5 US qt) With SH-AWD: 2.8 L (3.0 US qt) - Use Acura Automatic Transmission Fluid (ATF-Z1). - Transfer fluid capacity: 0.43 L (0.45 US qt), use hypoid gear oil GL4 or GL5.
4	Replace spark plugs (see page 4-34) - J35Z6: Use ILZKR7B11 (NGK). - J37A4: Use SXU22HCR11S (DENSO). Replace timing belt - J35Z6 (see page 6-21) - J37A4 (see page 6-84) and inspect water pump (see page 10-5) If the vehicle is regularly driven in very high temperatures over 110 °F (43 °C), or in very low temperatures under -20 °F (-29 °C), replace every 60,000 miles (USA)/100,000 km (Canada). Inspect valve clearance (cold) - J35Z6 (see page 6-9) - J37A7 (see page 6-72) Intake: 0.20–0.24 mm (0.008–0.009 in), Exhaust: 0.28–0.32 mm (0.011–0.013 in)
5	Replace engine coolant (see page 10-6) Capacity (including the reservoir): 6.3 L (1.66 US gal), use Acura Long Life Antifreeze/Coolant Type 2.
6	Replace rear differential fluid (SH-AWD models) (see page 15-68) - Driving in mountainous areas at very low vehicle speeds or trailer towing results in higher level of mechanical (shear) stress to fluid. This requires differential fluid changes more frequently than recommended by the maintenance minder. If the vehicle is regularly driven in these conditions, have the differential fluid changed at 7,500 miles (12,000 km), thereafter every 15,000 miles (24,000 km). - Capacity: 2.53 L (2.67 US qt), use Acura Automatic Transmission Fluid (ATF-Z1).