



Maintenance

Lubricants and Fluids 3-2

Maintenance Minder

General Information 3-4

Maintenance Main Items 3-7

Maintenance Sub Items 3-8

Lubricants and Fluids

For details of the lubrication points and the 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.

Application		Lubricant or Fluid
A	Engine	Acura Motor Oil: • K20Z2: P/N CA66808 (5W-20) • K20Z3: P/N CA66807 (5W-30) 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): P/N 08798-9033C Always use Acura MTF. Using motor oil can cause stiffer shifting because it does not contain the proper additives.
	Automatic transmission	Acura Automatic Transmission Fluid (ATF-Z1): P/N CA66704 Always use Acura ATF-Z1. Using a non-Acura ATF can affect shift quality.
C	Brake system (including VSA lines)	Honda DOT 3 Brake Fluid: P/N 08798-9008 Always use Honda DOT 3 Brake Fluid. Using a non-Honda brake fluid can cause corrosion and decrease the life of the system.
D	Clutch system (manual transmission)	
E	Brake booster clevis pin	Multipurpose Grease
F	Clutch master cylinder clevis pin (manual transmission)	
G	Release fork (manual transmission)	
H	Battery terminals	
I	Fuel fill door	
J	Trunk hinges	
K	Hood hinges and hood latch	
L	Shift cable ends (manual transmission)	Honda Silicone Grease: P/N 08C30-B0234M
M	Caliper piston seal and boot, caliper pins and boots	
N	Air conditioning compressor	Compressor Oil: SP-10 (P/N 38897-P13-A01AH) for refrigerant HFC-134a (R-134a)
O	Cooling system	Honda Long Life Antifreeze/Coolant Type 2: P/N CA66688

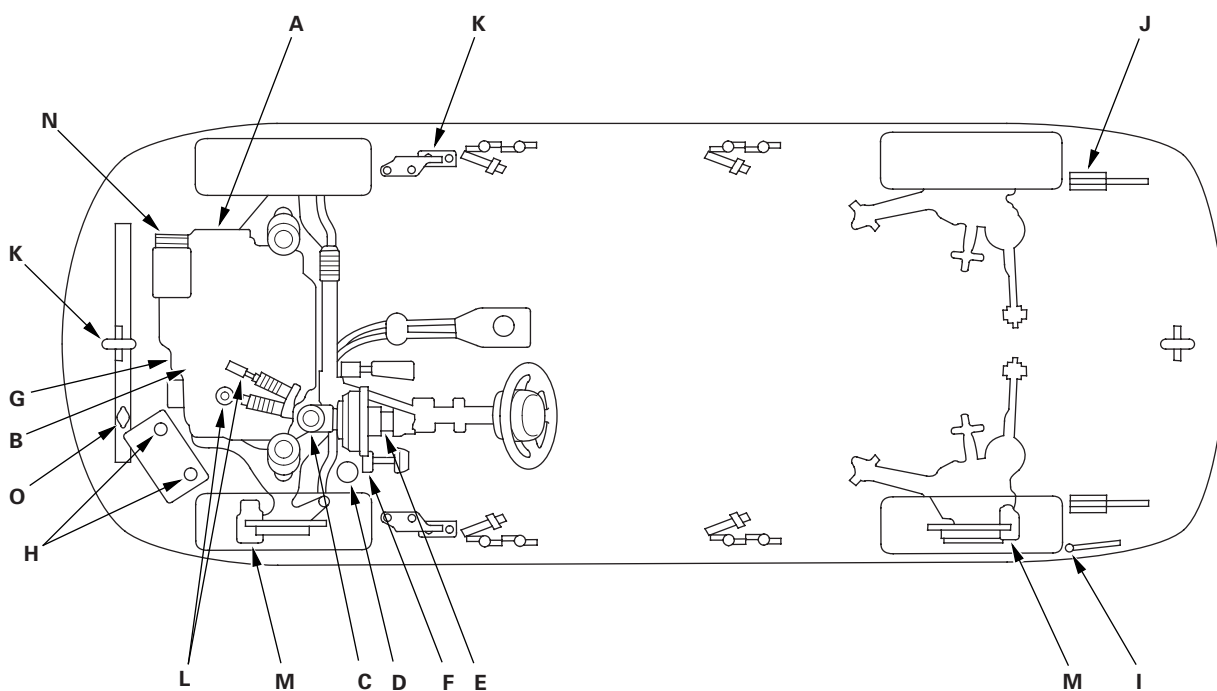
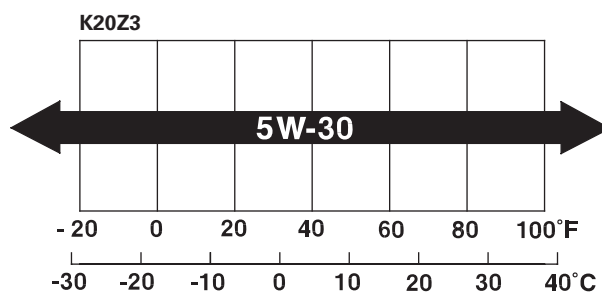
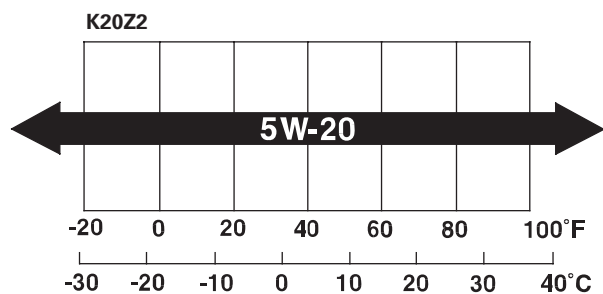
API CERTIFICATION SEAL





Recommended Engine Oil

Engine oil viscosity for ambient temperature ranges

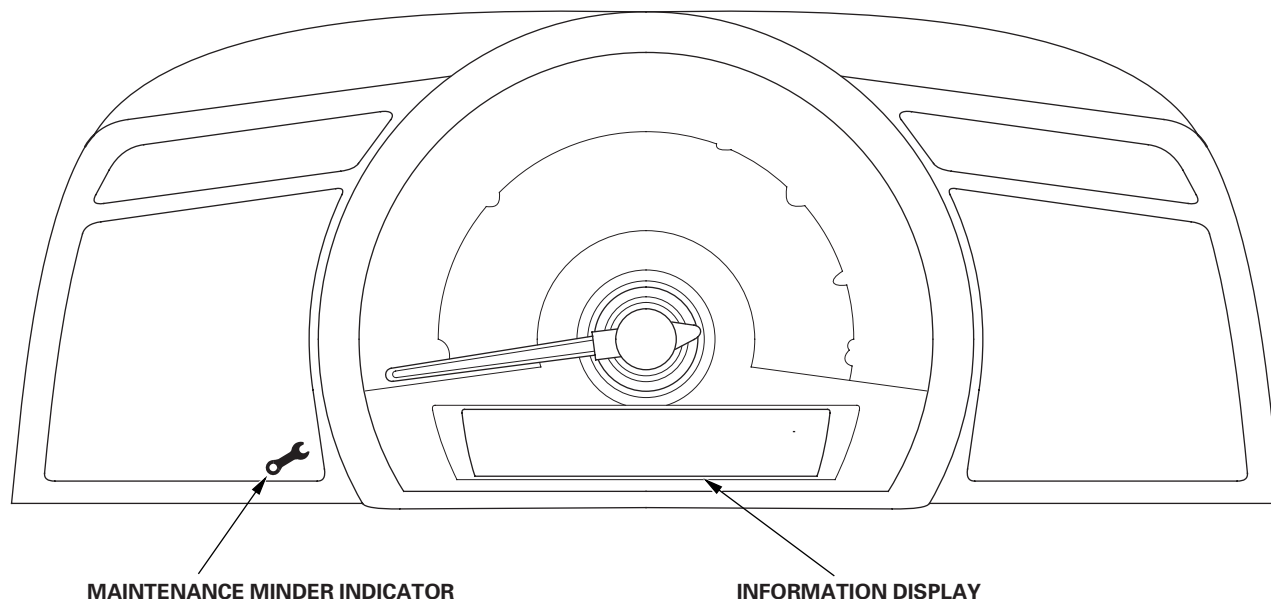


Maintenance Minder

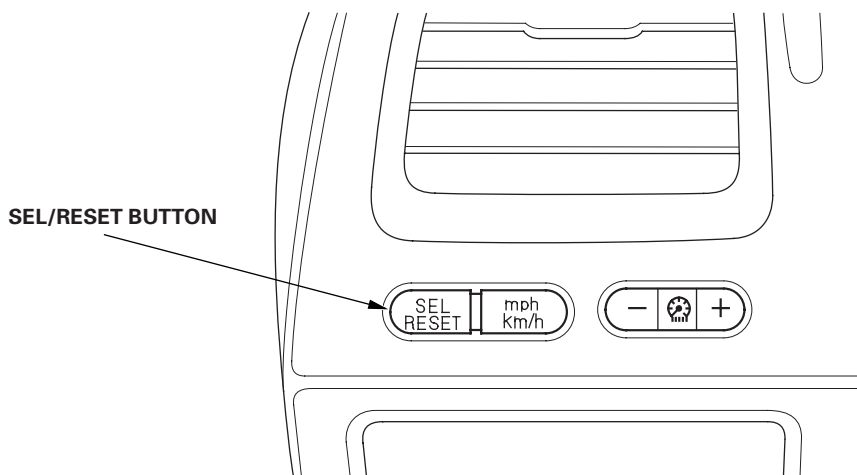
General Information

Information Display

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



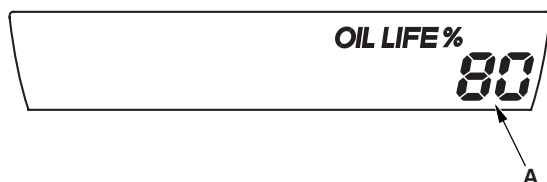
Driver's Side Dashboard:





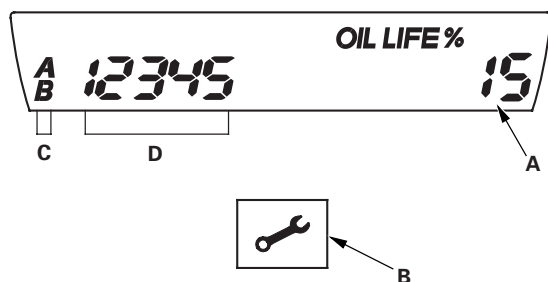
Service Information

1. The remaining engine oil life (A) is shown as a percentage on the information display. To see the current engine oil life, turn the ignition switch to ON (II), then push and release the SEL/RESET button repeatedly until the engine oil life displays.

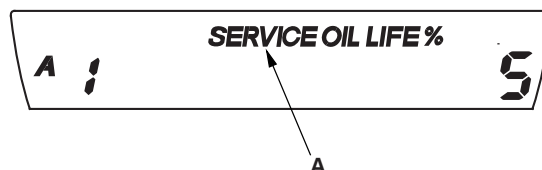


2. When the ignition switch is ON (II), and the remaining engine oil life is 6 % to 15 %, the remaining engine oil life (A) and other scheduled maintenance item(s) needing service are displayed. The maintenance minder indicator (B) also comes on when the engine oil life is 15 % or less. To cancel the display and the indicator, press SEL/RESET button.

- Complete list of maintenance main items (C) (see page 3-7).
- Complete list of maintenance sub items (D) (see page 3-8).



3. When the ignition switch is ON (II), and the remaining engine oil life is 1 % to 5 %, the message "SERVICE" (A) is displayed along with engine oil life and the same maintenance item code(s).



4. When the ignition switch is ON (II), and the remaining engine oil life is 0 %, the engine oil life indicator (A) blinks. Pressing SEL/RESET button cancels the display, but the maintenance minder indicator stays on.



5. If the indicated maintenance is not done, the engine oil life indicator shows a negative mileage, for example "— 10," on the display. If the negative mileage is between 0 and —9, the indicator is displayed for only a few seconds when the ignition switch is turned to ON (II). The negative mileage remains displayed after the vehicle is driven more than 10 km 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 km ago.



(cont'd)

Maintenance Minder

General Information (cont'd)

Resetting 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 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 the maintenance item(s) can be only reset independently with the HDS.

1. Turn the ignition switch to ON (II).
2. Push and release the SEL/RESET button repeatedly until the engine oil life indicator is displayed.
3. Press and hold the SEL/RESET button for about 10 seconds. The engine oil life indicator and the maintenance item code(s) will blink, then release the button.

NOTE: If you are resetting the display when the engine oil life is more than 15 %, make sure the maintenance item(s) requiring service are done before resetting the display.

4. Press and hold the SEL/RESET button for another 5 seconds. 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).
3. Make sure the HDS communicates with the vehicle and the engine control module/powertrain control module (ECM/PCM). If it doesn't communicate, troubleshoot the DLC circuit (see page 11-6).
4. Select GAUGES in the BODY ELECTRICAL with the HDS.
5. Select ADJUSTMENT in the GAUGES with the HDS.
6. Select SERVICE REMINDER in the ADJUSTMENT with the HDS.
7. Select RESET in the SERVICE REMINDER with the HDS.
8. Select the individual maintenance item you wish to reset.



Maintenance Main Items

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

NOTE:

- Replace the brake fluid every 3 years independent of the maintenance messages in the information display.
- 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 8-10). Engine oil capacity without oil filter: • K20Z2: 4.0 L (4.2 US qt) • K20Z3: 4.2 L (4.4 US qt)
B	Replace engine oil and oil filter (see page 8-11). Engine oil capacity with oil filter: • K20Z2: 4.2 L (4.4 US qt) • K20Z3: 4.4 L (4.6 US qt)
	Check front and rear brakes (see page 19-3). • Check pad and disc for wear (thickness), damage, and cracks. • Check calipers for damage, leaks, and tightness of mounting bolts.
	Check parking brake adjustment (see page 19-7). Check the number of clicks (8 to 10) 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. • Check fluid lines for damage and leaks.
	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 19-37). Check the master cylinder and VSA modulator-control unit for damage or leakage.
	Inspect all fluid levels and condition of fluids. • Engine coolant (see page 10-7) • Automatic transmission fluid (ATF-Z1) (see page 14-231) • Manual transmission fluid (MTF) 5M/T (see page 13-5), 6M/T (see page 13-82) • Clutch fluid (see page 12-7) • Brake fluid (see page 19-9) • Windshield washer fluid (see page 22-234)
	Inspect exhaust system: K20Z2 (see page 9-13), K20Z3 (see page 9-14) Check catalytic converter heat shields, exhaust pipes, and muffler for damage, leaks, and tightness.
	Inspect fuel lines* (see page 11-326) and connections* (see page 11-328). 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 Minder

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 11-346). Replace every 15,000 miles (24,000 km) if the vehicle is driven in dusty conditions. Replace dust and pollen filter (see page 21-75). - If the vehicle is driven mostly in urban 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 4-30). Look for cracks and damage, then check the position of the drive belt auto-tensioner indicator.
3	Replace automatic transmission fluid (see page 14-232). Capacity: 2.9 L (3.1 US qt); use Acura ATF-Z1. Replace manual transmission fluid. 5M/T (see page 13-5), 6M/T (see page 13-82) Capacity: 1.5 L (1.6 US qt); use Acura MTF.
4	Replace spark plugs (see page 4-21). - K20Z2: Use SKJ20DR-M11 (DENSO). - K20Z3: Use SK22PR-M11S (DENSO). Inspect valve clearance (cold). - K20Z2 (see page 6-12) Intake: 0.21—0.25 mm (0.008—0.010 in.), Exhaust: 0.28—0.32 mm (0.011—0.013 in.) - K20Z3 (see page 6-14) Intake: 0.21—0.25 mm (0.008—0.010 in.), Exhaust: 0.25—0.29 mm (0.010—0.011 in.)
5	Replace engine coolant (see page 10-8). Capacity (including the reservoir): - K20Z2: M/T 4.3 L (1.14 US gal), A/T 4.2 L (1.11 US gal) - K20Z3: 4.5 L (1.19 US gal) Use Honda Long Life Antifreeze/Coolant Type 2.

