

# Service Information

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Category <b>ZOT</b>	<b>Technical</b>	Ref. No. E006/12(REV)	Page 1 of 3
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued March 6, 2012	
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 April 2, 2012	
Applicable Model  CX-5 (KE)		Applicable Countries or Specifications  Europe	

**REVISED**

**Revision Note: MAZDA Original Oil Ultra has been added to table "Engine oil, SKYACTIV-G 2.0"**

## Subject: Service Caution for CX-5

### DESCRIPTION

This Service Information is to advise you on service caution for CX-5 (KE).

#### 1. Engine oil

##### (1) SKYACTIV-G 2.0

Mazda Genuine engine oils, so called "Mazda Original Oil Supra" and "Mazda Original Oil Ultra", have been newly established for SKYACTIV-G engine.

Engine oil \ Engine	SKYACTIV-G 2.0	Reference	
		All L type (except L3T)	
Mazda Original Oil Supra 0W-20 (Newly established)	*	*	
<b>MAZDA Original Oil Ultra 5W-30 (Newly established)</b>	*	*	

##### (2) SKYACTIV-D 2.2

Mazda Genuine engine oils, so called "Mazda Original Oil Supra DPF" and "Mazda Original Oil Ultra DPF", have been newly established for SKYACTIV-D engine.

Please note that Mazda Dexelia DPF 0W-30 /5W-30 do not suit on SKYACTIV-D engine and have been discontinued.

Engine oil \ Engine	SKYACTIV-D 2.2	Reference	
		R2	RF
Mazda Original Oil Supra DPF 0W-30 (Newly established)	*	*	*
Mazda Original Oil Ultra DPF 5W-30 (Newly established)	*	*	*

Newly established Mazda genuine oils mentioned above are also well suit on R2 and RF engines.

In order to prevent engine damage by diluted oil, PCM always monitors oil dilution ratio and driving condition. It is necessary to reset the engine oil data of PCM by M-MDS when engine oil is replaced.

2. Manual transaxle oil

GL-4 (75W-80) for existing MT can be also used for SKYACTIV-MT.

3. Automatic transaxle fluid

Always make sure to use “Automatic Transmission Fluid (ATF) FZ” for SKYACTIV-DRIVE. If any ATF other than “ATF FZ” is used for SKYACTIV-DRIVE, MC cannot guarantee the performance or reliability.

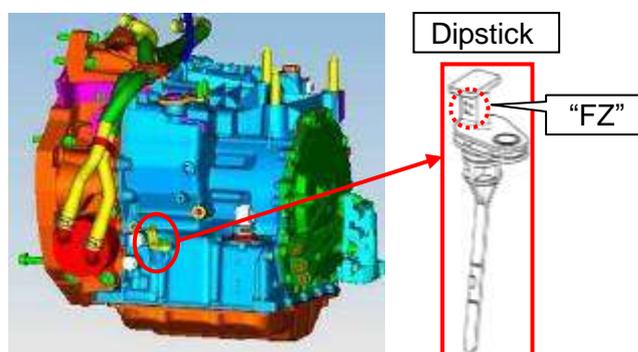
Consequently, any malfunction of SKYACTIV-DRIVE caused by usage of ATF other than “ATF FZ” cannot be covered by warranty.

“ATF FZ” is very low viscosity formulation and low friction, in order to achieve best-in-class fuel mileage.

Due to this, do NOT use “ATF FZ” for AT other than SKYACTIV-DRIVE, or it could cause serious trouble on the AT.

Note: ATF FZ is colored blue, for easy identification.

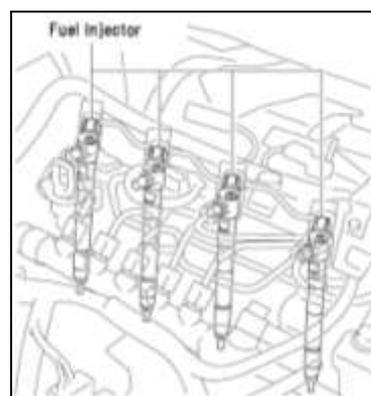
For AT that requires ATF FZ, “FZ” is marked on the dipstick as shown below.



Please refer to Service Information E018/11.

4. Common-rail injection system (SKYACTIV-D 2.2)

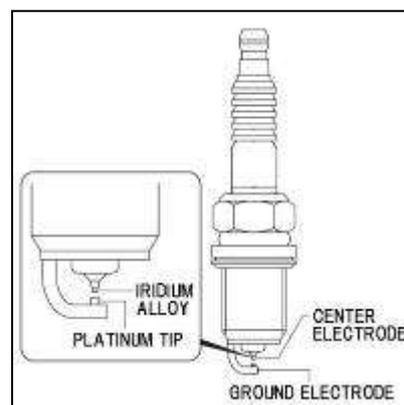
Due to the system’s strict fuel injection control, it is necessary to perform injection amount learning at regular intervals as per the scheduled maintenance table shown in Workshop Manual.



5. Spark plug (SKYACTIV-G 2.0)

Always make sure to use the designated spark plugs for SKYACTIV-G.

In order to achieve excellent ignition performance, iridium is used on extremely thinned center electrode and platinum is used on the ground electrode for SKYACTIV-G spark plugs. Usage of general nickel or iridium plugs for SKYACTIV-G could result in engine knocking, MIL illumination and/ or poor drivability.



## 6. Battery (with i-stop)

Battery “Q-85” is used for SKYACTIV-G, and “T-110” is used for SKYACTIV-D.

Both are a battery exclusively designed for high charge acceptance, longer life and high current, to ensure durability and reliability for frequently repeated engine start-stop by i-stop.

Using another type of battery could result in lower performance and shorter battery life.

Besides, due to difference of battery characteristics, the vehicle may falsely detect the regular battery as malfunctioning and stops/restricts the i-stop function.

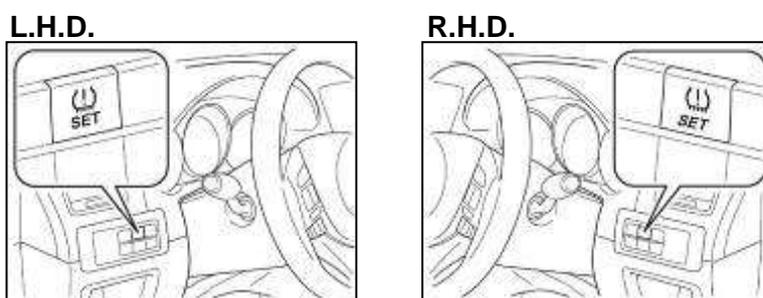
## 7. Tire pressure monitoring system (TPMS)

The tire pressure monitoring system monitors the tire pressure based on the signals from the ABS wheel-speed sensors.

On this system, system initialization is required by pressing TPMS set switch installed to the instrumental panel, in the following cases.

- When tire pressure is adjusted.
- When tire or wheel is replaced, etc...

For detail, refer to Technical Guide or Workshop Manual.



## 8. Navigation system

The navigation for CX-5 has a function of “Latest Map Guarantee” (LMG), which provides complimentary map updates for a limited period of time.

Note that when the starting condition of LMG (e.g. destination setup) is fulfilled, the internal timer automatically starts the count down.

Therefore, make sure NOT to operate the navigation just when you receive the vehicle. Only operate the navigation closely before handover the vehicle to the customer to enable utilizing the full time frame.

(It is not possible to stop the count down of LMG once it has started)

Furthermore, pay services (Live Services) are also available for some markets, with certain free trial period. Make sure NOT to press the “Activate” button of the main menu just when you receive the vehicle. Only activate this live service closely before handover the vehicle to the customer to enable utilizing the full time frame of the trial period.



Please refer to Service Information MME/E003/12.

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