

# Service Information

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Category <b>ZOT</b>	<b>Technical</b>	Ref. No. E055/12	Page 1 of 5
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued December 3, 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	
Applicable Model  Mazda6 (GJ)		Applicable Countries or Specifications  Europe	

## Subject: Service Caution for Mazda6

### DESCRIPTION

This Service Information is to advise you on service caution for Mazda6 (GJ).

#### 1. Engine oil

##### (1) SKYACTIV-G 2.0 & SKYACTIV-G 2.5

Always make sure to use "Mazda Original Oil Supra" and "Mazda Original Oil Ultra" for SKYACTIV-G engines.

Engine type	SKYACTIV-G 2.0 / SKYACTIV-G 2.5
Engine oil	Mazda Original Oil Supra 0W-20 Mazda Original Oil Ultra 5W-30

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

Always make sure to use "Mazda Original Oil Supra DPF" and "Mazda Original Oil Ultra DPF" for SKYACTIV-D engine.

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

Engine type	SKYACTIV-D 2.2
Engine oil	Mazda Original Oil Supra DPF 0W-30 Mazda Original Oil Ultra DPF 5W-30

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.

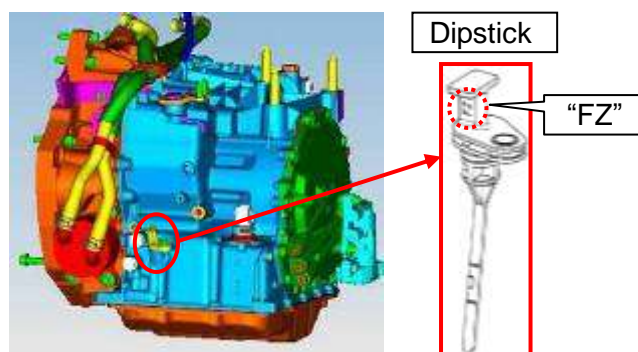
Consequently, any malfunction of SKYACTIV-DRIVE caused by usage of ATF other than "ATF FZ" cannot be covered by warranty.

“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.

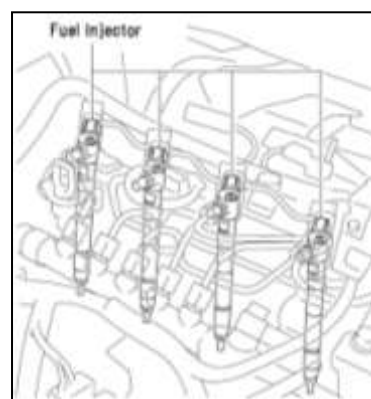
For AT that requires ATF FZ, “FZ” is marked on the dipstick as shown below.



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 & SKYACTIV-G 2.5)

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

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 and/or i-ELOOP)

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 and the i-ELOOP function.

Please refer to Service Information E039/12A.

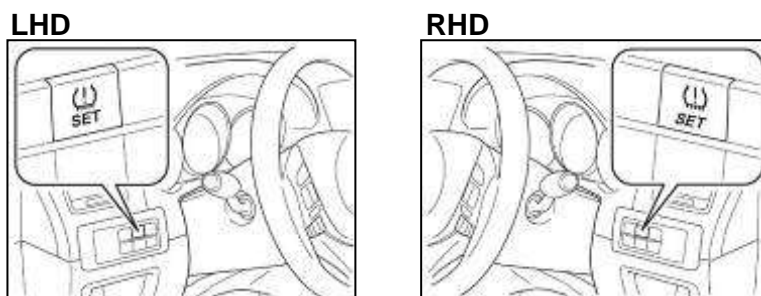
## 7. Tire pressure monitoring system (TPMS)

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 Mazda6 (GJ) 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 tap the “Activate” icon 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.

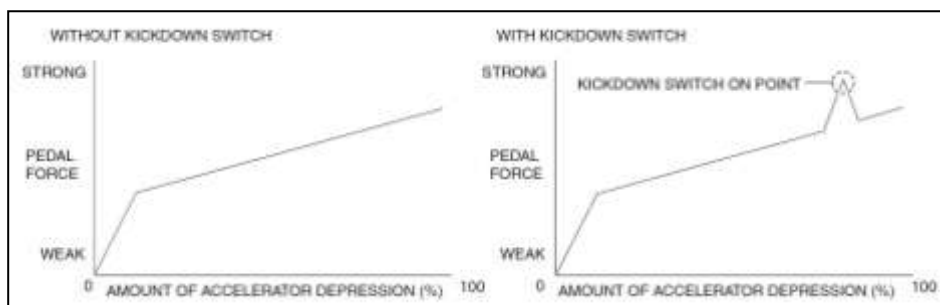


Please refer to Service Information MME/E003/12.

## 9. Kickdown switch (ATX)

A kickdown switch has been adopted so that it can be determined that the accelerator pedal is fully open based on the driver's intention of depressing the accelerator pedal for kickdown.

A load can be felt while the accelerator pedal is being depressed and when it is further depressed the kickdown switch turns on.

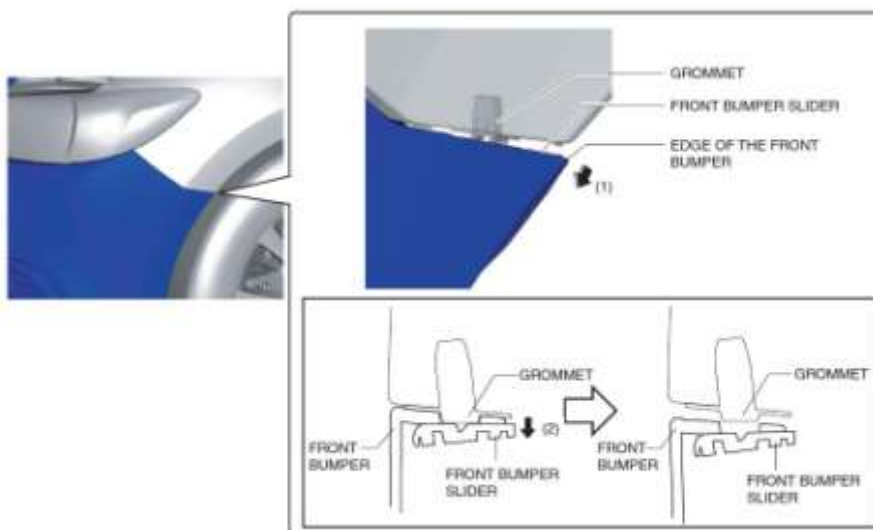


The driver can control the kickdown by knowing the amount of accelerator depression.

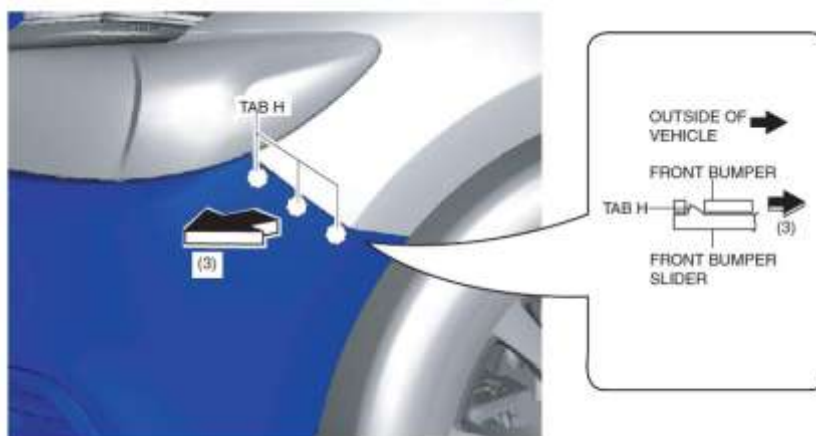
The kickdown switch is only a measure of the kickdown. An electrical signal is not transmitted by the kickdown switch turning on/off, and vehicle control is not affected.

# 10. Front bumper removal (For previous steps refer to workshop manual [FRONT BUMPER REMOVAL/INSTALLATION])

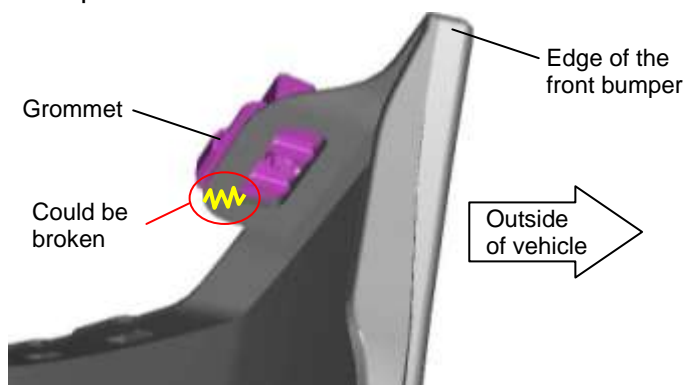
Pull the front bumper slider in direction of arrow (2) as shown in the figure, while removing the edge of the front bumper in the direction of the arrow (1) shown in the figure.



Pull the edge of the front bumper in the direction of the arrow (3) as shown in the figure, and then remove tabs H.



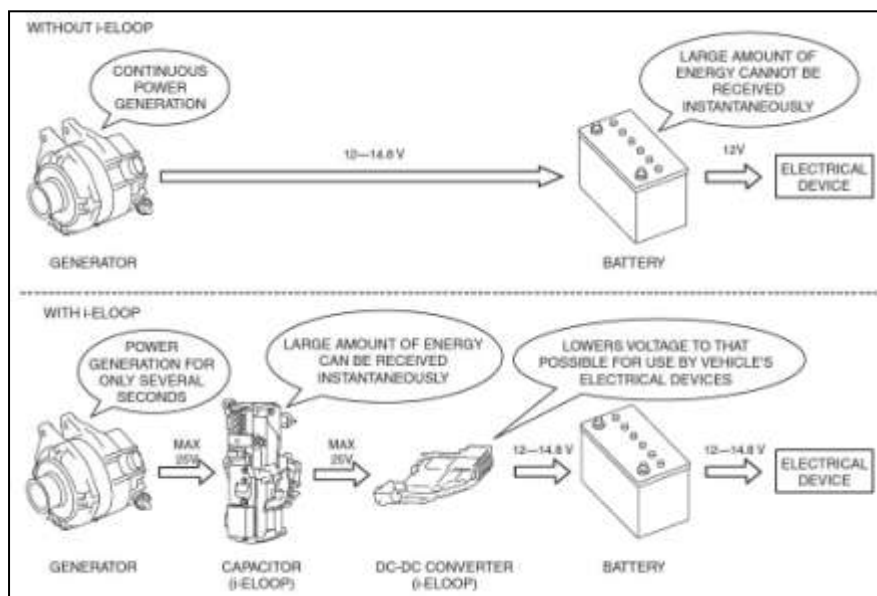
If you pull the edge of the front bumper to outside of vehicle before grommet removal, the fastening part of front bumper could be broken.



## 11. i-ELOOP

For improved fuel economy, electrical power is generated using kinetic energy during deceleration and retrieved as electrical energy, which decreases the amount of fuel used for supplying power.

The Mazda-unique regenerative braking system stores large quantities of energy instantly during deceleration using a Capacitor (i-ELOOP) which can be tapped quickly for use. Through efficient regenerative braking, storage and use, effective fuel economy improvement during actual driving can be expected.



**Note:** The capacitor stocked as a repair part must be used within 2 years after production date. Production date is indicated on the outer case of the repair part.  
When the capacitor is stored, maintain it upright.  
When you dispose of the vehicle or the part, be sure to conduct the forced discharge of the capacitor before disposal according to the Workshop Manual.  
The Service Information for details of i-ELOOP will be issued separately.

## 12. Maintenance monitor

When the preset maintenance period approaches, the maintenance monitor displays a message on the LCD display in the instrument cluster to inform the driver.

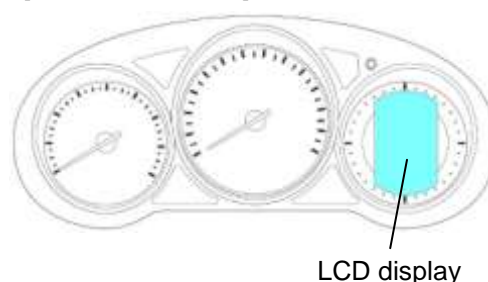
Maintenance settings for the scheduled maintenance, tire rotation and tire pressure and maintenance display/non-display can be set according to user option. Refer to the Workshop Manual for the setting procedure.

This function is setting off as initial setting.

So, please ask customer to set this one on or not when delivery the vehicle.

**NOTE:** The engine oil maintenance monitor for the European spec is set for every year or 20,000 km and the display/non-display setting is performed using the M-MDS. Refer to the Workshop Manual for the detailed setting procedure.

[Instrument cluster]



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