

## **GROUP 54 – CHASSIS ELECTRICAL**

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BULLETIN No.	SUBJECT	MODEL
<a href="#">54/2002/001</a>	Security coded auto fitment	PA Challenger
<a href="#">54/2002/002</a>	Change to ECU connectors	NM Pajero
<a href="#">54/2002/003</a>	Introduction of new instrument cluster	TJ Magna
<a href="#">54/2002/004</a>	Cancelling service reminder icon	TJ Magna



**MITSUBISHI MOTORS  
AUSTRALIA LTD.**

A.C.N. 067 570 995

# SERVICE BULLETIN

**GROUP:** 54—Chassis Electrical

**DATE:** February 2002

**NO.** 54/2002/001

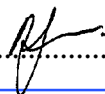
**MODEL:** PA—Challenger

**SUBJECT:** Security coded audio fitment

**COUNTRIES:**

Australia

R.I.WYATT  
MANAGER - WARRANTY &  
TECHNICAL PUBLICATIONS

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**Bulletin Consists of 5 Pages**

This Service Bulletin is to advise of changes to the Challenger Workshop Manual relating to the fitment of a security coded audio unit to the 02 M/Y PA Challenger and a change to the immobiliser system.

## Applicable Manual:

Manual	Publication	Affected Pages
'01 CHALLENGER Workshop Manual Chassis	PWJE9705-2	54-1, 54-2, 54-3 54A-1

The attached pages should be used to ensure that your workshop manuals are updated to reflect the correct information.

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## GROUP 54

# CHASSIS ELECTRICAL

### GENERAL

#### OUTLINE OF CHANGE

- With addition of an anti-theft system, the following service procedures have accordingly been established.

<Added>

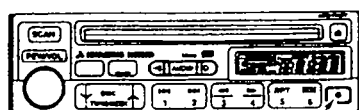
See the attachment.

### RADIO WITH CD PLAYER

#### ON-VEHICLE SERVICE

#### PROCEDURE FOR INPUT OF ANTI-THEFT CODE FOR ANTI-THEFT SYSTEM

Security radio with CD player



Security indicator

10064 CA

The radio with CD player do not work under the following conditions:

The radio with CD player has a security indicator that blinks with the ignition key removed to provide an anti-theft capability.

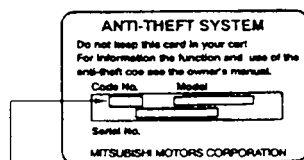
Power supply to the radio with CD player has been suspended for more than an hour continuously by removing the cable from the battery terminal or disconnecting the harness connectors.

The power supply to the radio with CD player has been suspended for more than an hour due to a blown fuse or discharged battery.

If the radio with CD player does not work for these conditions, enter the security code as follows:

The radio with CD player has been replaced.

Card

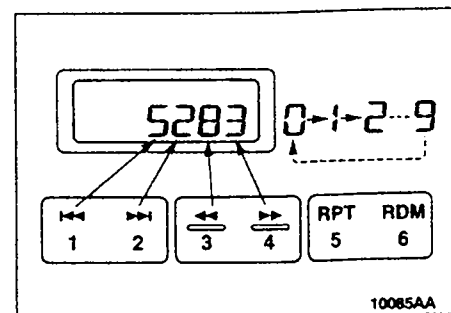
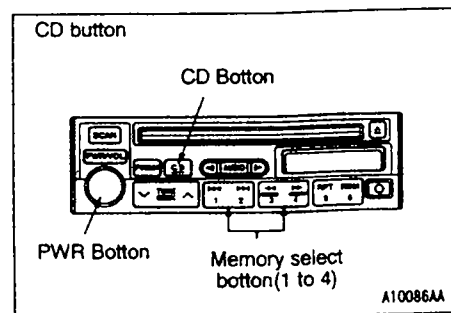
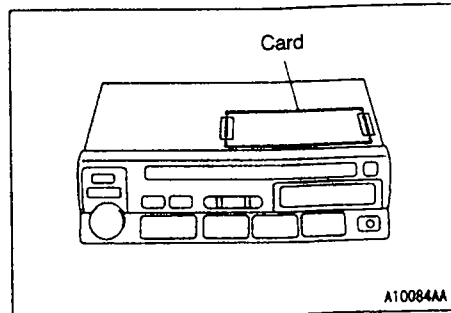
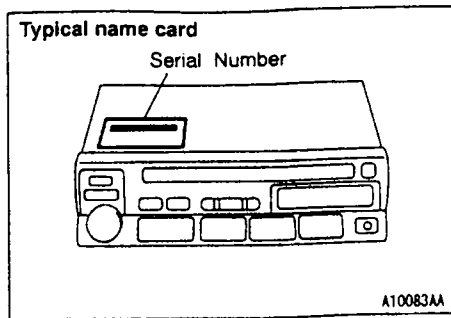


Security code

A10087AA

1. Confirm the security code using any of the following methods.

- (1) Use the security code indicated on the cards retained in the vehicle.



- (2) If the security code is unknown owing to the owner's loss of the card:
  - a. Remove the radio with CD player.
  - b. Read the serial number stamped on the radio with CD player.
  - c. Look up the security code (anti-theft code table) corresponding to the serial number.

- (3) When the radio with CD player is replaced: Use the security code on the cards attached to the upper surface of the replacement radio with CD player.

NOTE: Deliver the two cards to the owner.

2. Connect the radio to the vehicle harness.
3. Turn the ignition key to the "ACC" or "ON" position.

4. Press the "PWR" button, and "codE" will be displayed.

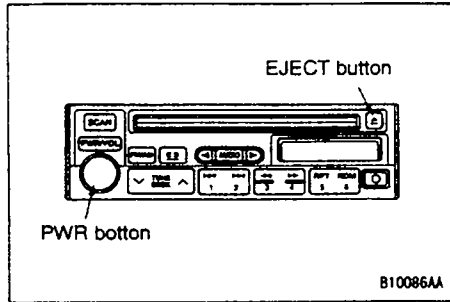
5. Press number 1 through number 4 memory select button to set the four-digit security code shown on the card. Every time each digit key is pressed, the figure changes as follows: 0 to 1 to 2 to 3 to 4 to 5 to 6 to 7 to 8 to 9 to 0
6. Press the "CD" button, and a beep will be heard. If entered correctly, the radio will work.

7. If the security code is not accepted, "Err" is displayed. In a few seconds, it will change to "code." Then repeat steps 5 and 6.

#### NOTE

- (1) The second error is displayed as "2 Err." When the third error is made, "3 Err" is displayed and then the display changes to "oFF." If this should occur, the unit will not work any more.

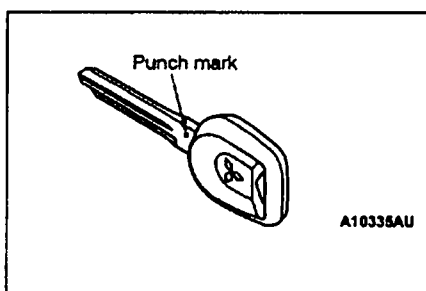
- (2) To input the security code again, turn the ignition switch to the "ACC" or "ON" position and wait for one hour when "oFF" is displayed. After "oFF" disappears on the display, press the "PWR" button and "codE" will be displayed. The security code can be input again.



### Three-minute operation mode

To facilitate replacement or check, the radio with CD player can be operated for three minutes without inputting the security code.

1. Press the "PWR" button and "EJECT" button together to operate the radio with CD player.
2. In three minutes the unit will not be able to work. Then the radio with CD player will be switched off.



- With change in the immobilizer system, the ignition key for the 2001 and earlier model year cars is not interchangeable with the ignition key for the 2002 model year cars. (A punch mark is provided on both sides of the ignition key for the 2002 and later model year cars.)
- When the engine-ECU or engine-A/T-ECU has been replaced, replacement of the ignition key will become unnecessary.

Item	Engine-ECU <M/T> Engine-A/T-ECU <A/T>	Immobilizer-ECU	Ignition key
When replacing engine-ECU <M/T>, engine-A/T-ECU <A/T>	—	Replacement required	Replacement not required and re-registration are re- quired



**MITSUBISHI MOTORS  
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# SERVICE BULLETIN

**GROUP:** 54—Chassis Electrical

**DATE:** February 2002

**NO.** 54/2002/002

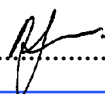
**MODEL:** NM—Pajero

**SUBJECT:** Change to ECU connectors

**COUNTRIES:**

Australia

R.I.WYATT  
MANAGER - WARRANTY &  
TECHNICAL PUBLICATIONS

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**Bulletin Consists of 3 Pages**

This Service Bulletin is to advise of a change made to the connectors for the A/T—ECU, ABS—ECU, engine ECU and transfer—ECU.

## Applicable Manual:

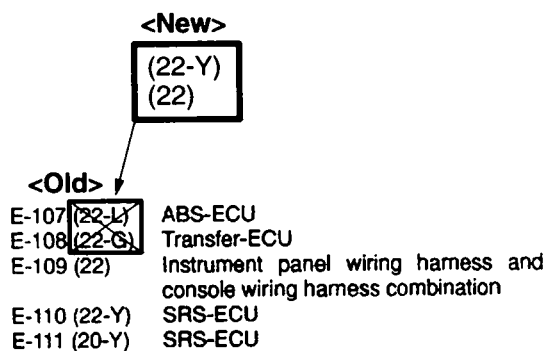
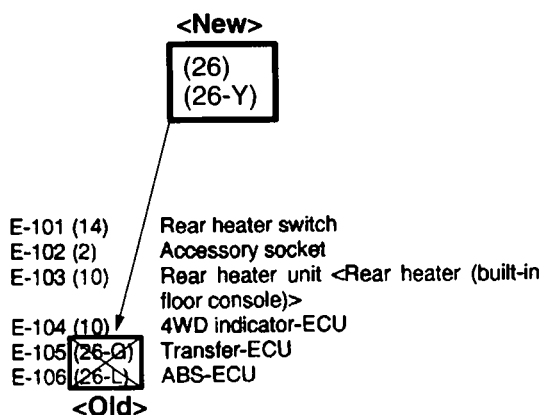
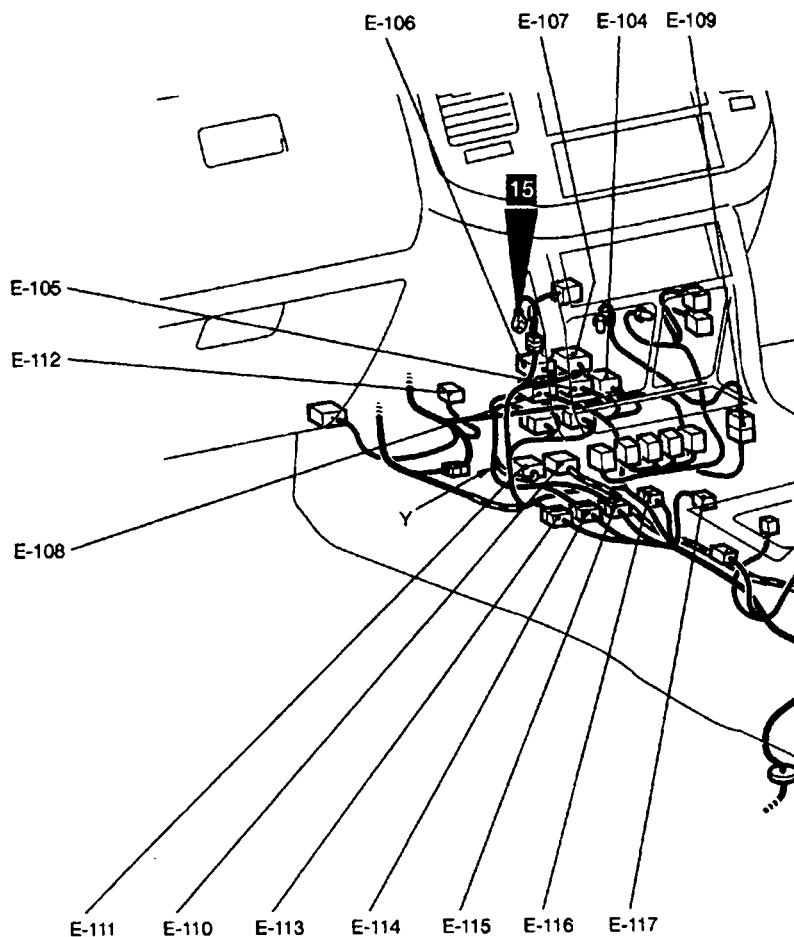
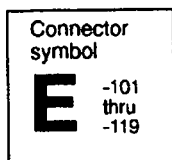
Manual	Publication	Affected Pages
'01 PAJERO Electrical wiring	PHJE0005	1—46
'02 PAJERO Electrical wiring Supplement	PHJE0005—3	1—12

The attached pages should be used to ensure that your workshop manuals are updated to reflect the correct information.

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R.H. drive vehicles

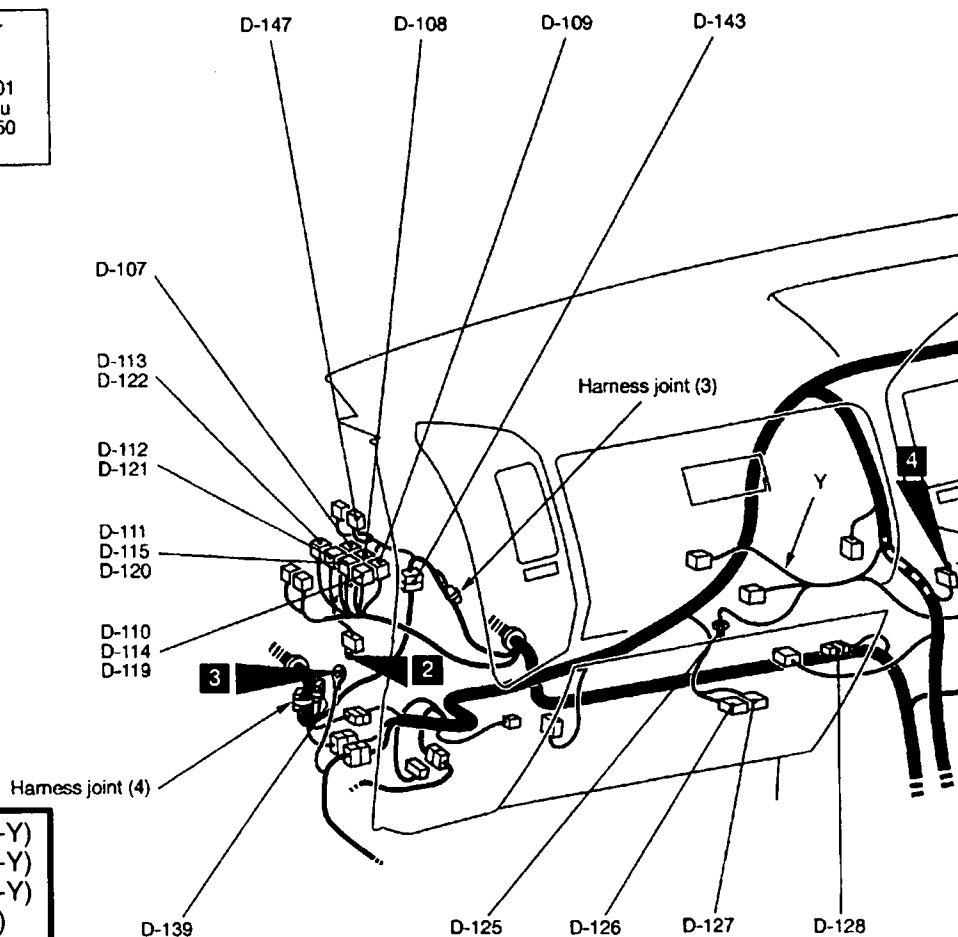
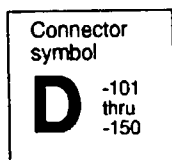




1-12

WIRING HARNESS CONFIGURATION DIAGRAMS

R.H. drive vehicles



<New>

(26-Y)  
(16-Y)  
(22-Y)  
(26)  
(16)  
(12)  
(22)

<Old>

D-101 (2) Heater control panel illumination lamp  
D-103 (6) Blower switch <Heater or manual A/C>  
D-104 (4) Hazard warning switch  
D-105 (12) A/C switch  
D-106 (2) Photo sensor <Automatic A/C>  
D-107 (26-L) A/T-ECU <Diesel>  
D-108 (16-L) A/T-ECU <Diesel>  
D-109 (22-L) A/T-ECU <Diesel>  
D-110 (26-G) Engine-ECU <4M41, MPI-M/T>  
D-111 (16-G) Engine-ECU <4M41, MPI-M/T>  
D-112 (12-G) Engine-ECU <4M41, MPI-M/T>  
D-113 (22-G) Engine-ECU <4M41, MPI-M/T>  
D-114 (26-Y) Glow-ECU <4M40 (With EGR)>  
D-115 (14) Glow-ECU <4M40 (Without EGR)>  
D-119 (35-GR) Engine-A/T-ECU <Petrol-A/T>

D-120 (26-GR) Engine-A/T-ECU <Petrol-A/T>  
D-121 (28-R) Engine-A/T-ECU <Petrol-A/T>  
D-122 (30-GR) Engine-A/T-ECU <Petrol-A/T>  
D-123 (38) Instrument panel wiring harness and floor wiring harness (RH) combination  
D-124 (43) Instrument panel wiring harness and floor wiring harness (RH) combination  
D-125 (2) Glove box lamp  
D-126 (4) Blower linear controller <Automatic A/C>  
D-127 (4) Resistor <Heater or manual A/C>  
D-128 (33) J/C (4)  
D-129 (2) Air thermo sensor <Automatic A/C>  
D-130 (7) Air mixing damper control motor and potentiometer <Automatic A/C>  
D-131 (20-B) A/C-ECU

# SERVICE BULLETIN

**GROUP:** 54—Chassis Electrical

**DATE:** April 2002

**NO.** 54/2002/003

**MODEL:** TJ Magna

**SUBJECT:** Introduction of new instrument cluster

**COUNTRIES:**

Australia

R.I.WYATT  
MANAGER - WARRANTY &  
TECHNICAL PUBLICATIONS

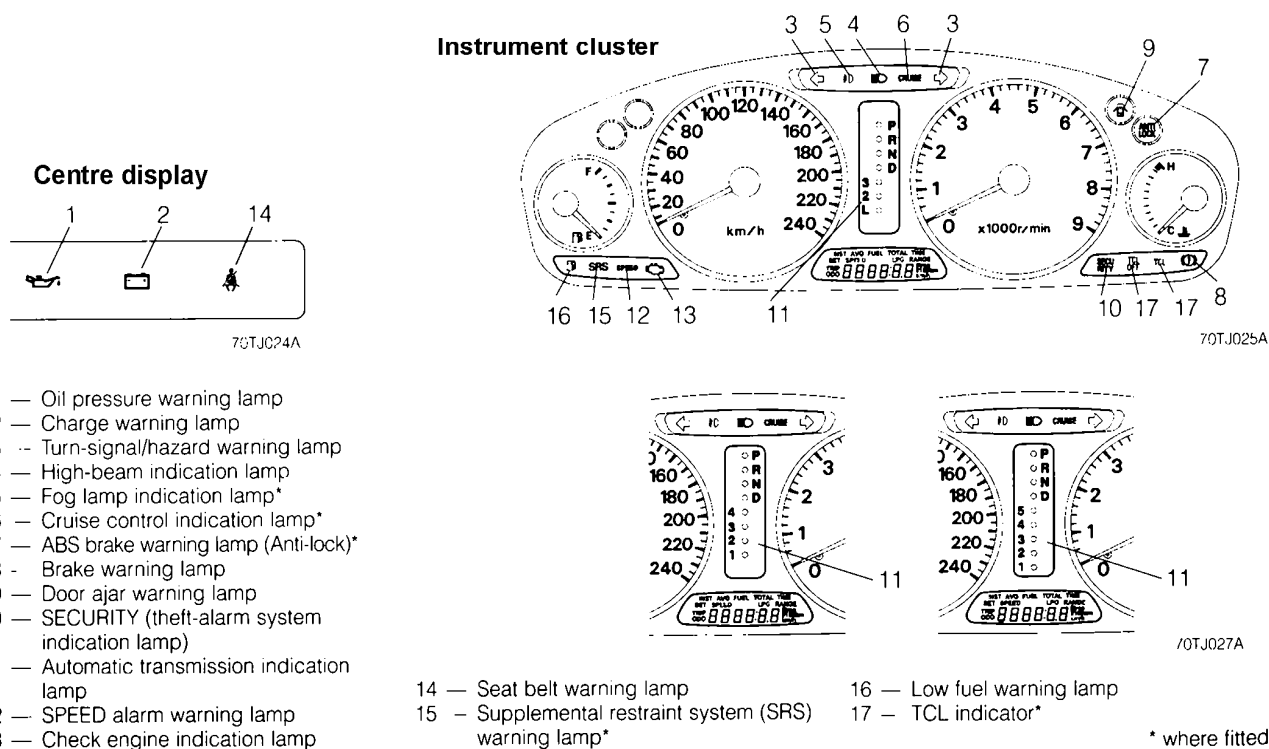
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**Bulletin Consists of 2 Pages**

This Service Bulletin is to advise of the running change introduction of a new style instrument cluster and centre display for the TJ Magna range of vehicles. It replaces the instrument cluster previously identified as TYPE 1 in the operators manual.

## CHANGE DETAILS

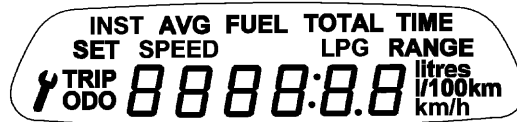
This cluster ( new TYPE 1) now contains the Trip computer with revised functionality to include LPG fuel compatability and digital trip meter and odometer. The centre display contains warning displays for Oil pressure,battery charge and seat belts.



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## TRIP COMPUTOR



### Computer display

- Odometer
- Tripmeter
- Range to empty
- Time travelled (since last reset)
- Average speed (since last reset)
- Service reminder
- Total fuel used (since last reset)
- Average fuel consumption (since last reset)
- Instantaneous fuel consumption
- Total distance travelled (since last reset)
- Speed alarm

The Service reminder function will display a spanner icon on the left hand side of the trip computer display. This will be activated 500 kilometres before a scheduled regular service. If the vehicle is not serviced, the service reminder will turn off 1000 kilometres after the scheduled service. The service reminder can be manually reset.

## OPERATORS MANUAL

Operators Manual Pt No. **MR926588** is provided with the vehicle and explains all operational features of the new Instrument cluster and changes to the centre display. It is essential that this publication is in the vehicle when delivered to the customer.

## SERVICE MANUAL

Changes to the service manual information relating to the new instrument cluster will be provided in the TJ /KJ workshop manual update due for release in June 2002. Any dealer requiring technical information on this system prior to the workshop manual update should contact Technical Support at MMAL at 1300–131211.

## WARRANTY REPAIR

Should the instrument cluster be the subject of a warranty defect, then the current change over procedure as previously advised by General Letter W20 applies.

## PRODUCTION DATE

March 2002



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# SERVICE BULLETIN

**GROUP:** 54—Chassis Electrical

**DATE:** October 2002

**NO.** 54/2002/004

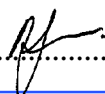
**MODEL:** TJ Magna

**SUBJECT:** Cancelling service reminder icon

**COUNTRIES:**

Australia

R.I.WYATT  
MANAGER - AFTERSALES  
TECHNICAL SUPPORT

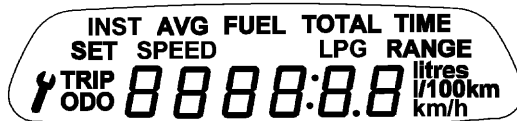
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**Bulletin Consists of 1 Pages**

This Service Bulletin is to advise of the need and the procedure required to cancel the service reminder icon upon the completion of all scheduled services.

## Computer display

The Service reminder function will display a spanner icon on the left hand side of the trip computer display. This will be activated 500 kilometres before a scheduled regular service. If the vehicle is not serviced, the service reminder will turn off 500 kilometres after the scheduled service. The service reminder can be manually reset.



## Deactivating Service Reminder

The service reminder icon can be turned OFF by pushing and holding the “UP” button of the mode switch while turning the ignition switch from LOCK to IGNITION ON.

This method can also be used to prevent the service reminder from activating if the vehicle is serviced more than 500 km before the scheduled service. In this case the icon will flash for 10 sec @ 1hz and then turn off and will not activate again until the next scheduled service, 15000 km later.

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