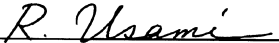




SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN		No.: MSB-98E54-501	
		Date: 1998-05-15	<Model> (EC,EXP)GALANT (EA0)
Subject: CORRECTION OF BATTERY TYPE		<M/Y> 97-10	
Group:	CHASSIS ELECTRICAL	Draft No.: 98JY011015	
CORRECTION	OVERSEAS SERVICE DEPT	 R. USAMI - MANAGER QUALITY INFORMATION ANALYSIS	

1. Description:

This Service Bulletin informs you of correction of the type of battery installed on the car equipped with the 4G63 or 6A13 engine.

2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'97 GALANT/GALANT WAGON Technical Information Manual	PYDE9604	(English)	7-4
'97 GALANT/GALANT WAGON Workshop Manual Chassis	PYDE9611	(English)	54-6
	PYDS9612	(Spanish)	
	PYDF9613	(French)	
	PYDG9614	(German)	
	PYDD9615	(Dutch)	
	PYDW9616	(Swedish)	

3. Details:

'97 GALANT/GALANT WAGON Technical Information Manual, Page 2
'97 GALANT/GALANT WAGON Workshop Manual Chassis, Page 3

BATTERY

The specification of the battery are as follows.

SPECIFICATIONS

<Correct>

75D23L

Items	Petrol-powered vehicles	Diesel-powered vehicles
Type	75D26L <Incorrect>	95D31L
Capacity (5HR) ah.	52	70
Reserve capacity min.	118	159
Cold cranking current A [at-18°C]	520	622

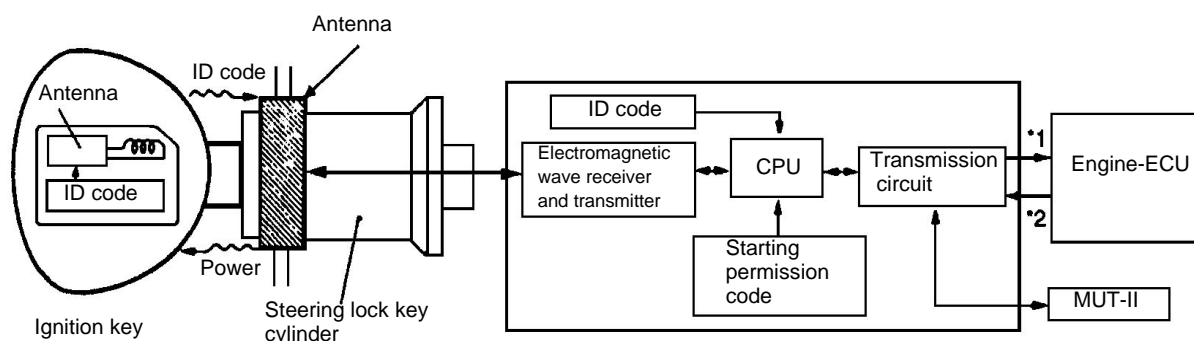
IMMOBILIZER SYSTEM

The immobilizer system consist of the ignition key, the antenna, the immobilizer-ECU, and the engine-ECU. The ignition key has a built-in transponder as the oscillator. The antenna is installed on the steering lock key cylinder. The system prevents the engine from theft. The operation is as follows.

1. When the ignition switch is turned on, the immobilizer-ECU supplies power to the transponder inside the ignition key via the antenna.
2. The energized transponder outputs an ID code to the immobilizer-ECU via the antenna.
3. The immobilizer-ECU compares the input ID. code with the registered ID code. If they are the same, the immobilizer-ECU sends a

starting permission signal to the engine-ECU. If they are not the same or if the ID code input cannot be received, the immobilizer-ECU sends a starting prohibition signal to the engine-ECU.

As mentioned above, only the ID code, which is specific to each ignition key, permits the engine to start. Therefore, the engine can never be started by means of a forged key or by connecting the ignition wiring directly. The system is significantly safe and reliable against theft. In addition, the driver has only to turn the ignition switch to the ON position to activate the immobilizer system. If the ignition key is lost or another ignition key is added, the ID code can be registered or erased by using the MUT-II.



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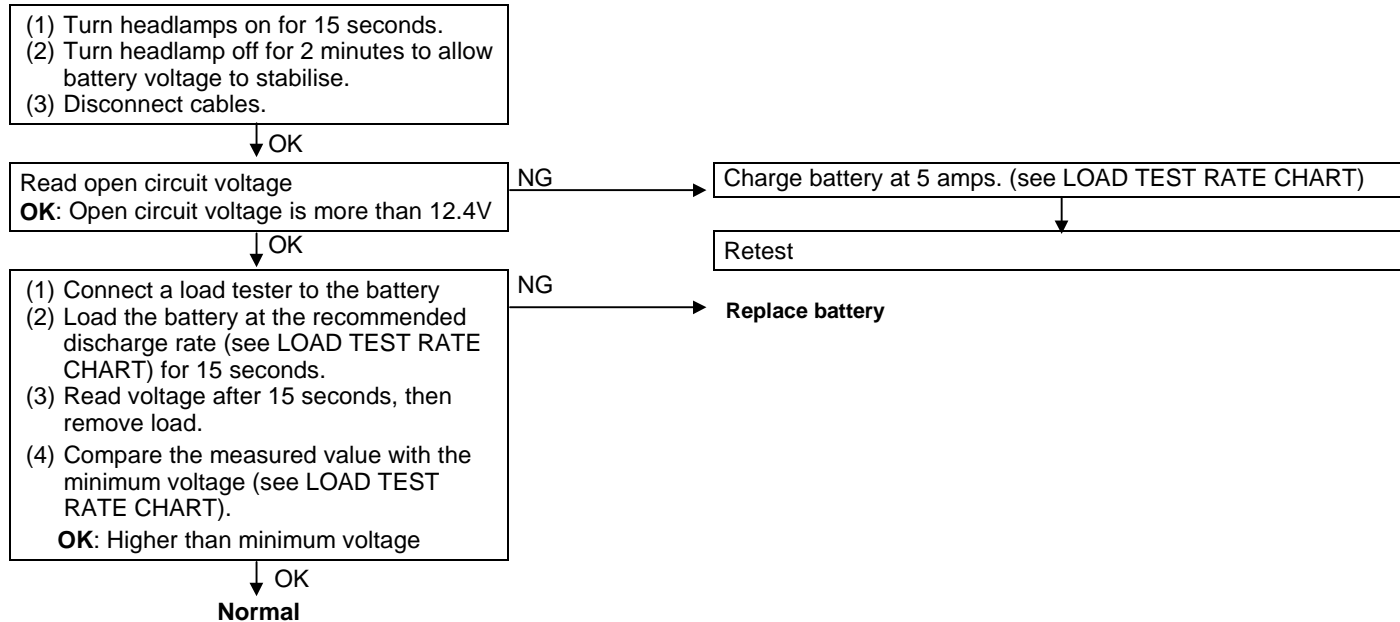
NOTE

*1: Starting permission code

*2: Permission confirmation code

BATTERY TESTING PROCEDURE

TEST STEP



<Correct>

75D23L

LOAD TEST RATE CHART

Battery type	75D26L	95D31L
Charging time when fully discharged h [5-amp rated current charging]	11	14
Load test (Amps)	260	310

LOAD TEST CHART

Temperature °C	21 and above	16	10	4	-1	-7	-12	-18
Minimum voltage V	9.6	9.5	9.4	9.3	9.1	8.9	8.7	8.5