SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN	**No.:** MSB-98E23-502	
	Date: 1999-05-31	**<Model>** (EUR) GALANT (ST) **<M/Y>** 97-10
Subject: ADDITION / CORRECTION OF HYDRAULIC PRESSURE TEST OF AUTOMATIC TRANSMISSION		
Group: AUTOMATIC TRANSMISSION	**Draft No.:** 98-JY-591618	
INFORMATION	**OVERSEAS SERVICE DEPT**	T.NITTA - VICE GENERAL MANAGER QUALITY INFORMATION ANALYSIS

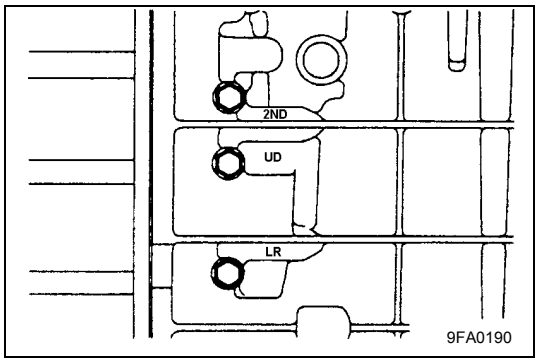
1. Description:

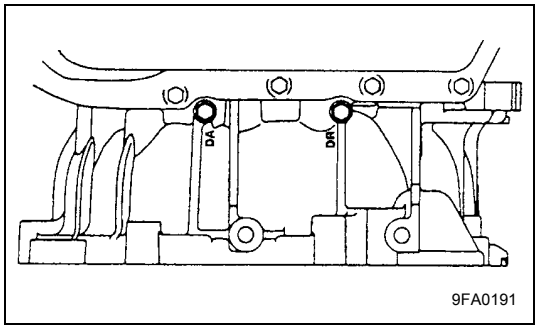
This service bulletin informs you concerning addition and correction of the hydraulic pressure test of the automatic transmission.

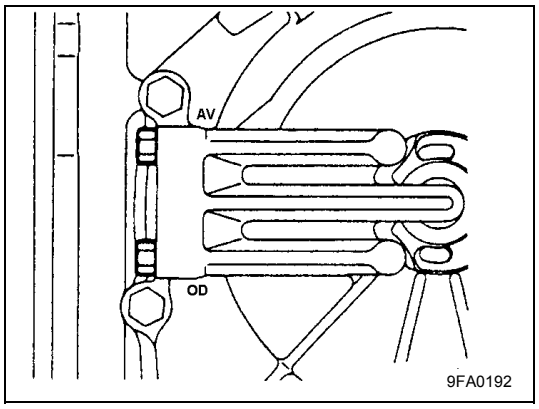
2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'97 GALANT Workshop Manual chassis	PWDE9611	(English)	23-56, 23-57
	PWDS9612	(Spanish)	
	PWDF9613	(French)	
	PWDG9614	(German)	
	PWDD9615	(Dutch)	
	PWDW9616	(Swedish)	

3. Details:







HYDRAULIC PRESSURE TEST

(1) Warm up the engine until the automatic transmission fluid temperature is 80-100°C.
(2) Jack up the vehicle so that the wheels are free to turn.
(3) Connect the special tools (2,942-kPa oil pressure gauge [MD998330] and joints [MD998332, MD998900] to each pressure discharge port.
(4) Measure the hydraulic pressure at each port under the conditions given in the standard hydraulic pressure table, and check that the measured values are within the standard value ranges.
(5) If a value is outside the standard range, correct the problem while referring to the hydraulic pressure test diagnosis table.

<Added>

NOTE

2ND	:	Second brake pressure port
UD	:	Under drive clutch pressure port
LR	:	Low & reverse brake pressure port
DR	:	Torque converter pressure port
DA	:	Damper clutch apply pressure port
RD	:	Reverse clutch pressure port
OD	:	Overdrive clutch pressure port

STANDARD HYDRAULIC PRESSURE TEST

<4G63>

Measurements condition			Standard hydraulic pressure kPa					
Selector lever position	Shift position	Engine speed (rpm)	Underdrive clutch pressure [UD] **<Added>**	Reverse clutch pressure [RV] **<Added>**	Overdrive clutch pressure [OD] **<Added>**	Low and reverse brake pressure [LR]**<Added>**	Second brake pressure [2ND] **<Added>**	Torque converter pressure [DR] **<Added>**
P	–	2,500	–	–	–	310-390	–	310-390
R	Reverse	2,500	–	1,320 – 1,720	–	1,320 – 1,720	–	500-700
N	-	2,500	–	–	–	310-390	–	310-390
~~D~~ ← L **<Incorrect> <Correct>**	1st gear	2,500	1,010- 1,050	–	–	1,010-1,050	–	500-700
2	2nd gear	2,500	1,010- 1,050	–	–	–	1,010-1,050	500-700
3	3rd gear	2,500	590-690	–	590-690	–	–	450-650
D	4th gear	2,500	–	–	590-690	–	590-690	450-650

<Added>

<6A13>

Measurements condition			Standard hydraulic pressure kPa					
Selector lever position	Shift position	Engine speed (rpm)	Underdrive clutch pressure [UD] **<Added>**	Reverse clutch pressure [RV] **<Added>**	Overdrive clutch pressure [OD] **<Added>**	Low and reverse brake pressure [LR] **<Added>**	Second brake pressure [2ND] **<Added>**	Torque converter pressure [DR] **<Added>**
P	–	2,500	–	–	–	260-340	–	260-340
R	Reverse	2,500	–	1,320 – 1,720	–	1,320 – 1,720	–	500-700
N	-	2,500	–	–	–	260-340	–	260-340
~~D~~ ← L **<Incorrect> <Correct>**	1st gear	2,500	1,010-1,050	–	–	1,010-1,050	–	500-700
2	2nd gear	2,500	1,010- 1,050	–	–	–	1,010-1,050	500-700
3	3rd gear	2,500	780-880	–	780-880	–	–	450-650
D	4th gear	2,500	–	–	780-880	–	780-880	450-650

<Added>