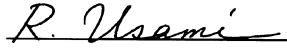




SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN		No.: MSB-97E23-501							
		Date: 1997-11-24	<table border="1"> <tr> <td><Model></td> <td><M/Y></td> </tr> <tr> <td>(EC,EXP)COLT (CJ0A)</td> <td>96-10</td> </tr> <tr> <td>(EC,EXP)LANCER (CK0A)</td> <td>96-10</td> </tr> </table>	<Model>	<M/Y>	(EC,EXP)COLT (CJ0A)	96-10	(EC,EXP)LANCER (CK0A)	96-10
<Model>	<M/Y>								
(EC,EXP)COLT (CJ0A)	96-10								
(EC,EXP)LANCER (CK0A)	96-10								
Subject: ROAD TEST JUDGEMENT VALUE									
Group: AUTOMATIC TRANSAXLE	Draftno: 97-TA-504								
Correction	OVERSEAS SERVICE DEPT	 R. USAMI - MANAGER QUALITY INFORMATION ANALYSIS							

1. Description:

This Service Bulletin informs you of correction to the A/T road test judgement value.

2. Applicable Manuals:

Manual	Pub. No.	Language	A/T model	Page(s)
'96 COLT/LANCER Workshop Manual	PWME9511	(English)	F4A41	23-7, 23-9
	PWMS9512	(Spanish)		
	PWMF9513	(French)		
	PWMG9514	(German)		
	PWMD9515	(Dutch)		
	PWMW9516	(Swedish)		

3. Details:

Please refer to the attached pages.

No.	Condition	Operation	Judgement value	Check item	Code No.	Inspection procedure page if there is an abnormality
5	Engine: Idling Selector lever position: N	Brake pedal (retest) (1) Depressed (2) Released	Data list No. 26 (1) ON (2) OFF	Stop lamp switch	26	Stop lamp switch system (23-16)
		A/C switch (1) ON (2) OFF	Data list No. 65 (1) ON (2) OFF	Dual pressure switch	-	Dual pressure switch system (23-35)
		Accelerator pedal (1) Released (2) Half depressed	Data list No. 64 (1) ON (2) OFF	Idle position switch	-	Idle position switch system (23-34)
			Data list No. 21 (1) 650 - 900 rpm Gradually rises from (1)	Crank angle sensor <Added> <4G92>	21	Crank angle sensor system (23-13)
		<Added> Data list No.58 <4G13>	Data list No. 57 >< >< (2) Data changes	Communication with engine-ECU	51	Serial communication system (23-23)
		Selector lever position (1) N → D (2) N → R	Should be no abnormal shifting shocks Time lag should be within 2 seconds	Malfunction when starting	-	Engine stalling during shifting (23-28)
					-	Shocks when changing from N to D and large time lag (23-28)
					-	Shocks when changing from N to R and large time lag (23-29)
					-	Shocks when changing from N to D, N to R and large time lag (23-30)
		Driving impossible			-	Does not move forward (23-26)
-	Does not reverse (23-27)					
-	Does not move (forward or reverse) (23-27)					

No.	Condition	Operation	Judgement value	Check item	Code No.	Inspection procedure page if there is an abnormality	
8	Use the MUT-II to stop the INVECS-II function	Monitor data list No. 11, 23, and 63 with the MUT-II. (1) Accelerate to 4th gear at a throttle position sensor output of 1.5V (accelerator opening angle of 30%) (2) Gently decelerate to a standstill. (3) accelerate to 4th gear at a throttle position sensor output of 2.5V (accelerator opening angle of 50%) (4) While driving at 60 km/h in 4th gear, shift down to 3 range. (5) While driving at 40 km/h in 3rd gear, shift down to 2 range. (6) While driving at 20 km/h in 2nd gear, shift down to L range	For (1), (2) and (3), the reading should be the same as the specified output shaft torque and no abnormal shocks should occur. For (4), (5) and (6), downshifting should occur immediately after the shifting operation is made.	Malfunction when shifting	-	Shocks and running up (23-30)	
				Displaced shifting points	-	All points (23-31)	
					-	Some points (23-32)	
				Does not shift <div style="border: 1px solid black; padding: 2px; display: inline-block; margin: 5px;">speed</div> <Correct>	-	No diagnosis code (23-32)	
					22	Input shaft speed sensor system (23-14)	
					23	Output shaft speed sensor system (23-15)	
				Does not shift from 1 to 2 or 2 to 1	31	Low and reverse solenoid valve system (23-17)	
					33	Second solenoid valve system (23-17)	
					41	1st gear ratio is not specified (23-18)	
					42	2nd gear ratio is not specified (23-19)	
					Does not shift from 2 to 3 or 3 to 2	33	Second solenoid valve system (23-17)
						34	Overdrive solenoid valve system (23-17)
						42	2nd gear ratio is not specified (23-17)
				Does not shift from 3 to 4 or 4 to 3	43	3rd gear ratio is not specified (23-20)	
					32	Underdrive solenoid valve system (23-17)	
					33	Second solenoid valve system (23-17)	
43	3rd gear ratio is not specified (23-20)						
	44	4th gear ratio is not specified (23-21)					