SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN	**No.:** MSB-97E21-001	
	Date: 1998-04-15	**<Model>** GALANT(EAO) **<M/Y>** 97-10
Subject: CHANGES TO CLUTCH		
Group: CLUTCH	**Draftno:** 97-JY-003	
INFORMATION	**OVERSEAS SERVICE DEPT**	R. USAMI - MANAGER QUALITY INFORMATION ANALYSIS

1. Description:

The clutch installed on the 4D68 engine has been changed as follows:

- On the LH drive car, the clutch fluid line damper has been moved in position from transmission side to clutch master cylinder side.
- On the RH drive car, the clutch fluid line damper has been eliminated, and the clutch damper installed on the master cylinder.

2. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'97 GALANT Technical Information Manual	PYDE9604	(English)	2-2
'97 GALANT Workshop Manual	PWDE9611	(English)	21-5, 21-6, 21-7
	PWDS9612	(Spanish)	
	PWDF9613	(French)	
	PWDG9614	(German)	
	PWDD9615	(Dutch)	
	PWDW9616	(Swedish)	

3. Effective Date:

From April 21, 1997

4. Details:

'97 GALANT Technical Information Manual, page 2
'97 GALANT Workshop Manual, page 3,4,5

CLUTCH

The clutch that has been adopted is a dry single plate diaphragm spring type, and the control system that has been adopted is a hydraulic type.

- ~~As vibration minimising measures, a clutch fluid line damper has been added to the clutch hydraulic piping on the models with 4D68 or 6A13 engines.~~

<Old>

- The models powered by 6A13 engines have clutch pedals fitted with a turnover spring. The turnover spring improves the driver's clutch operating feeling while reducing the operating effort.

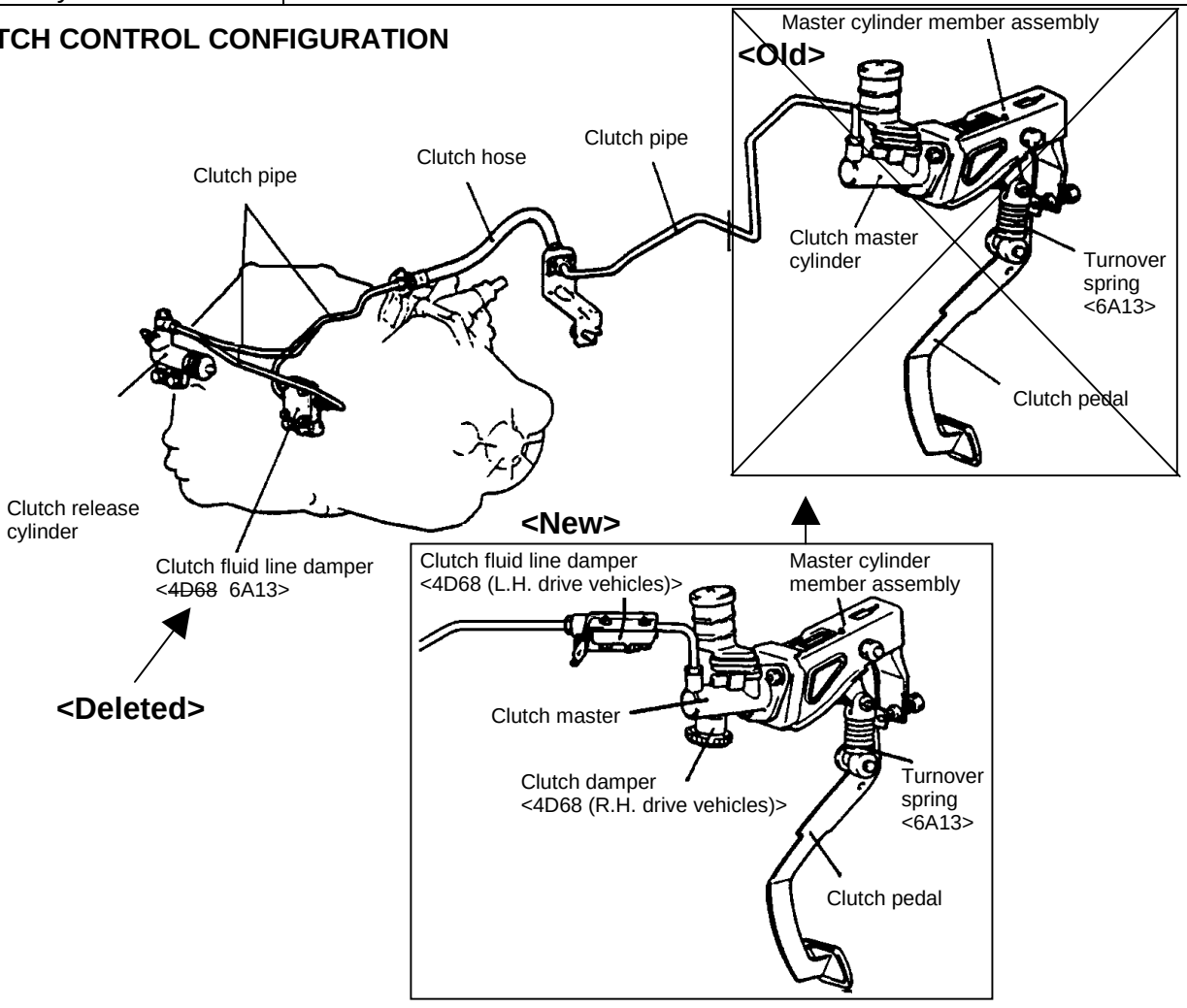
On the 4D68 engine equipped LH drive vehicles and the 6A13 engine equipped vehicles, the clutch fluid damper has been installed, while on the 4D68 engine equipped RH drive vehicles, the clutch damper has been installed on the master cylinder, in order to decrease vibrations.

<New>

SPECIFICATIONS

Engine	4G63	6A13	4D68
Clutch disc type	Single dry disc type		
Clutch disc facing	215 x 140	225 x 150	225 x 150
Diameter O.D. X I.D. mm			
Clutch cover type	Diaphragm spring		
Clutch cover set load N	4,511	5,198	4,511
Control system	Hydraulic type		
Release cylinder I.D. mm	20.6		
Master cylinder I.D. mm	15.8		

CLUTCH CONTROL CONFIGURATION



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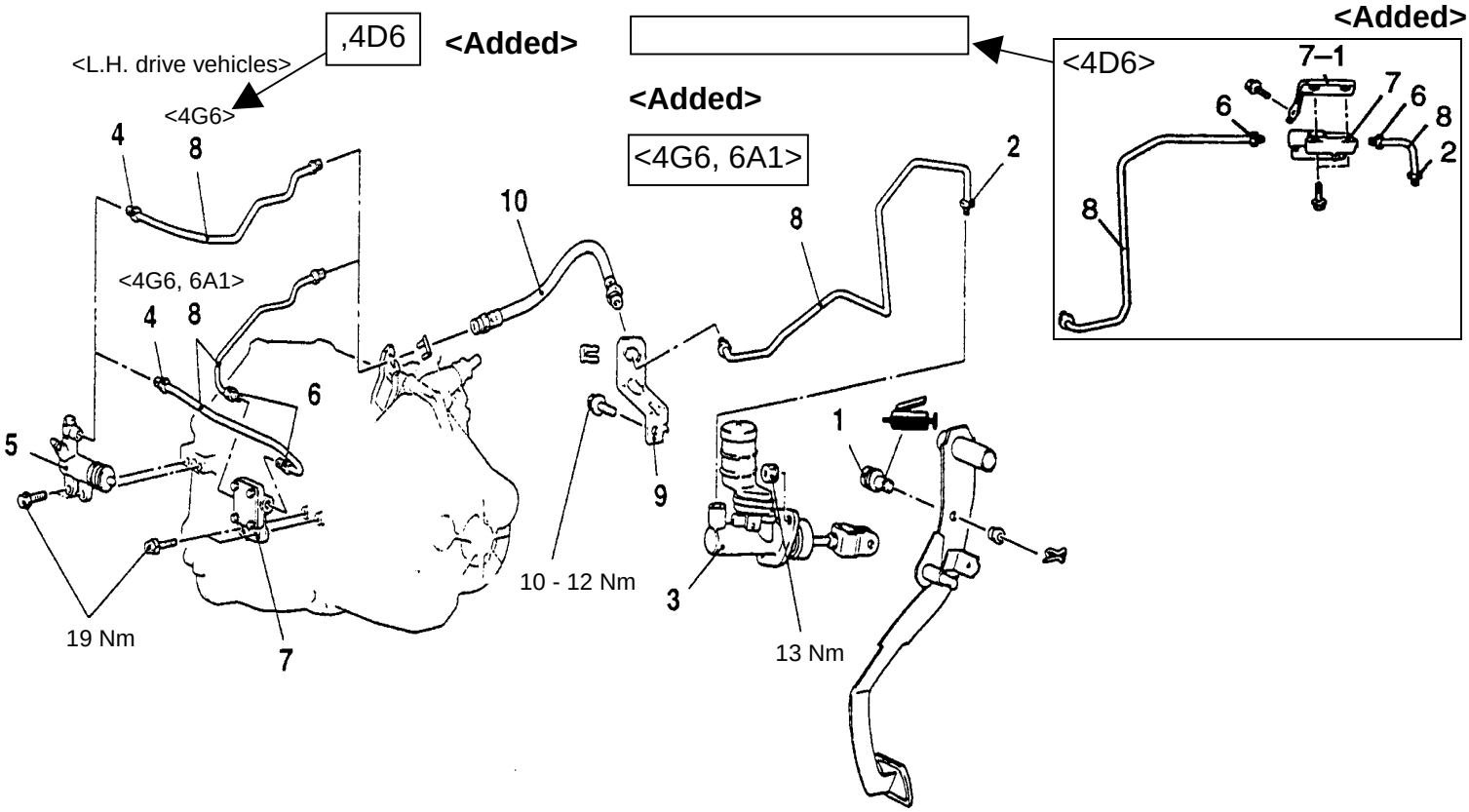
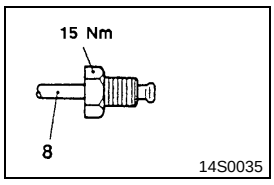
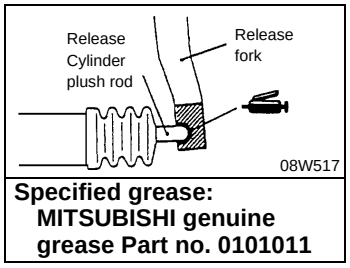
CLUTCH CONTROL REMOVAL AND INSTALLTION

Pre-removal Operation
Clutch Fluid Draining

Post-Installation Operation
- Clutch fluid Supplying
- Clutch Line Bleeding (Refer to P.21-3)
- Clutch Pedal Adjustment (Refer to P.21-2)







Specified grease:
MITSUBISHI genuine grease Part no. 0101011

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Clutch master cylinder removal steps
1. Clevis pin assembly
2. Clutch pipe connection
3. Clutch master cylinder

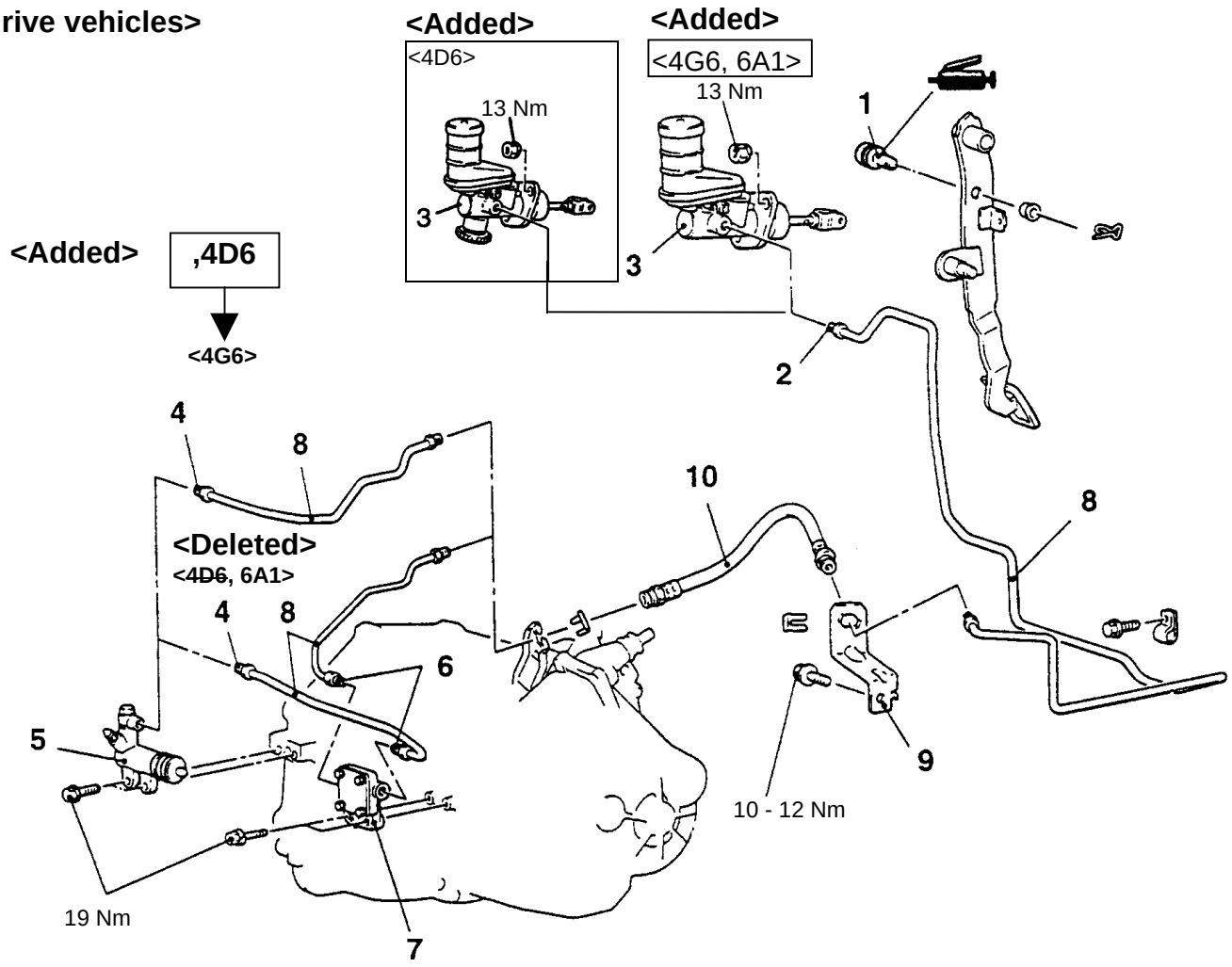
Clutch release cylinder removal steps
4. Clutch pipe connection
5. Clutch release cylinder

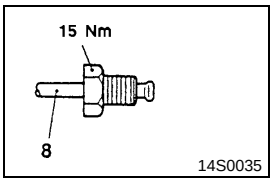
Clutch fluid line damper removal steps <4D6, 6A1>
6. Clutch pipe connection
7. Clutch fluid line damper

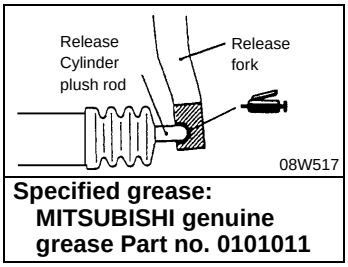
Clutch line removal steps
8. Clutch pipe
9. Bracket
10. Clutch hose

<Added> 7-1. Damper bracket

<R.H. drive vehicles>







Specified grease:
MITSUBISHI genuine grease Part no. 0101011

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Clutch master cylinder removal steps

1. Clevis pin assembly
2. Clutch pipe connection
3. Clutch master cylinder

Clutch release cylinder removal steps

4. Clutch pipe connection
5. Clutch release cylinder

Clutch fluid line damper removal steps
<4D6, 6A1> **<Deleted>**

6. Clutch pipe connection
7. Clutch fluid line damper

Clutch line removal steps

8. Clutch pipe
9. Bracket
10. Clutch hose

DISASSEMBLY AND REASSEMBLY
CLUTCH MASTER CYLINDER

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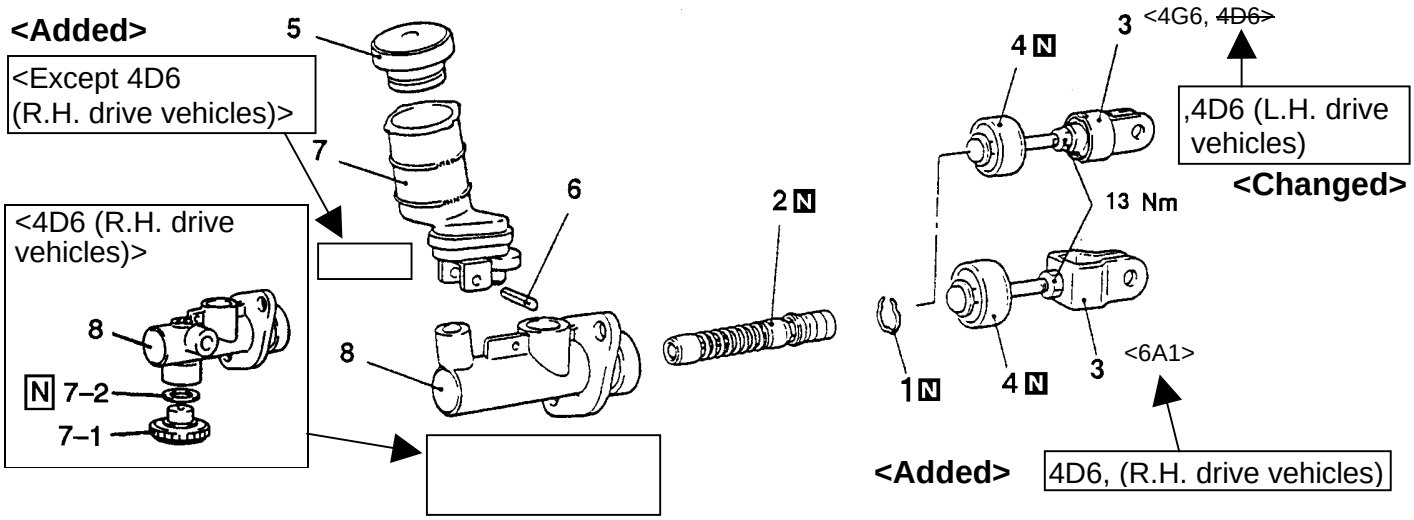
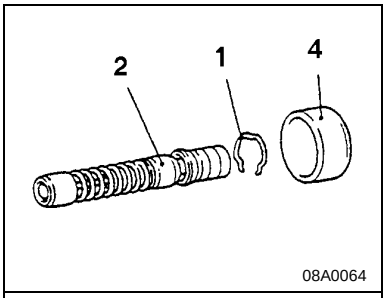
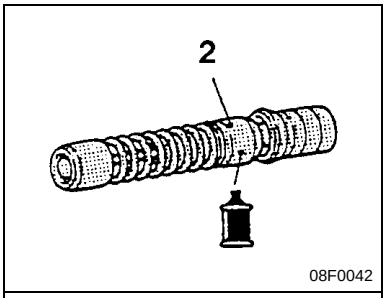
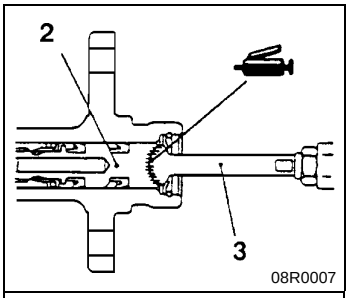




Piston repair kit



Clutch fluid:
Brake fluid DOT3 or DOT4



Grease: Rubber grease

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Disassembly steps

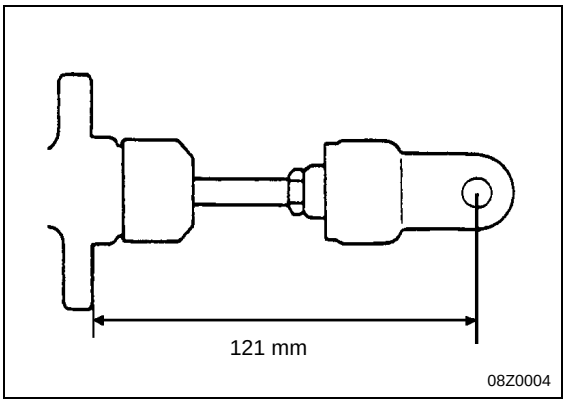
1. Piston stopper ring
2. Piston assembly
3. Push rod assembly
4. Boot
5. Reservoir cap
6. Spring pin
7. Reservoir tank
8. Clutch master cylinder assembly

▶A◀

Caution
Do not disassemble piston assembly

<Added>

7-1. Clutch damper <4D6 (R.H. drive vehicles) >
7-2. Gasket <4D6 (R.H. drive vehicles).>



INSTALLATION SERVICE POINT

▶A◀ PUSH ROD ASSEMBLY INSTALLATION

Set the length of the push rod assembly to the shown dimension to make the adjustment of clutch pedal easier.