



SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS

OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

SERVICE BULLETIN		No.: MSB-97E34-001	
		Date: 1997-11-24	<Model> ALL MODELS <M/Y> 97-10
Subject: ADDITION OF HIGH GROUND-CLEARANCE SUSPENSION			
Group: REAR SUSPENSION			Draftno: 97-JY-008
INFORMATION	OVERSEAS SERVICE DEPT	 R. USAMI - MANAGER QUALITY INFORMATION ANALYSIS	

1. Description:

The high ground-clearance suspension has optionally been added to the front suspension.

- (1) Change in camber
- (2) Change in length of shock absorber

Old	New
379-383 mm	389-393 mm

- (3) Change in damping force of shock absorber

	Old	New
Extension	457-641N	512-708N
Contraction	285-441N	390-450N

[At 0.3 m/sec]

The coil springs remain unchanged

2. Effective Date:

From January 21, 1997

3. Applicable Manuals:

Manual	Pub. No.	Language	Page(s)
'97 GALANT Technical Information Manual	PYDE9604	(English)	3-6
'97 GALANT Workshop Manual	PWDE9611	(English)	34-3, 34-4
	PWDS9612	(Spanish)	
	PWDF9613	(French)	
	PWDG9614	(German)	
	PWDD9615	(Dutch)	
	PWDW9616	(Swedish)	

4. Details:

'97 GALANT Technical information Manual, Page 3-6

'97 GALANT Workshop Manual, Page 34-3,34-4

SPECIFICATIONS

SUSPENSION SYSTEM

Item	Specification
Suspension method	Multi-link

WHEEL ALIGNMENT

Items	Specifications
Camber	-1°00' -0°50'* <Added>
Toe-in	At the center of tyre tread mm
	3
	Toe-angle (per wheel)
	0°09'

NOTE

*: High ground-clearance suspension

<Added>

COIL SPRING

Items	Sedan	Wagon
Wire diameter x average diameter x free length mm	9 x 62 - 102 x 397 9 x 64 - 102 x 330 ¹ 9 - 10 x 68 - 103 x 386 ²	9 - 10 x 63 - 103 x 405 10 x 95 - 103 x 321 ¹ 10 - 11 x 64 - 104 x 383 ²

NOTE

¹: Self-levelling shock absorber

²: Heavy-duty suspension

SERVICE SPECIFICATIONS

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Items	Specifications	
Toe-In	At the centre of tyre tread mm	3 \pm 3
	Toe-angle (per wheel)	0°09' \pm 09' <Added>
Camber	-1°00' \pm 30'	$-0^{\circ}50' \pm 30^*$
Dimension for positioning upper arm bracket mm	37.2 \pm 2	
Toe control arm ball joint turning torque Nm	1.0 - 2.6	
Stabiliser link ball joint turning torque Nm	0.5 - 1.5	

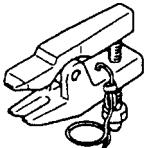
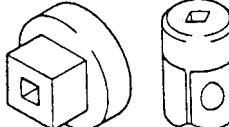
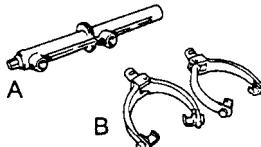
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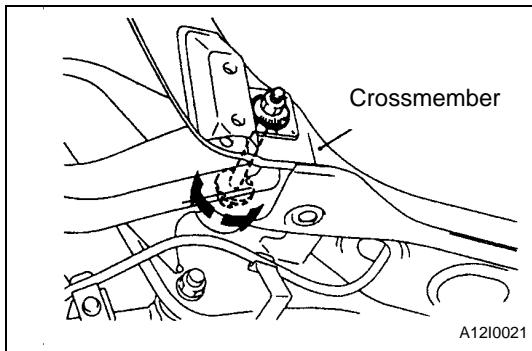
*: High ground-clearance suspension

<Added>

SPECIAL TOOLS

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Tool	Number	Name	Use
 B991113	MB990635, MB991113 or MB991406	Steering linkage puller	Ball joint knuckle disconnection
 B990326	MB990326	Preload socket	Ball joint continuous rotating check
 B990800	MB990800	Ball joint remover and installer	Ball joint dust cover installation
 A: MB991237 B: MB991239 00003796	A: MB991237 B: MB991239	A: Spring compressor body B: Arm seat	Coil spring compression



ON-VEHICLE SERVICE

33100100105

WHEEL ALIGNMENT CHECK AND ADJUSTMENT

TOE-IN

Standard value:

At the centre of tyre tread 3 ± 3 mm
 Toe angle (per wheel) $0^\circ 09' \pm 09'$

Turn the toe control arm mounting bolts of the left and right toe control arms by equal amounts to adjust.

LH: Clockwise viewed from the rear → Toe-out

RH: Clockwise viewed from the rear → Toe-in

Furthermore, toe adjustment can be made at graduations of approximately 2.5 mm

CAMBER

→ Standard value: $-1^\circ 00' \pm 30'$

NOTE

1. Camber is present at the factory and can not be adjusted.
2. If camber is not within the standard value, check and replace bent or damaged parts.

BALL JOINT DUST COVER CHECK

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1. Check the dust cover for cracks or damage by pushing it with finger
2. If the dust cover is cracked or damaged, replace the toe control arm assembly or stabiliser link.

NOTE

Cracks or damage of the dust cover may cause damage of the ball joint.

<Changed>

Standard value:

<except High ground-clearance suspension>

$-1^\circ 00' \pm 30'$

<High ground-clearance suspension>

$-0^\circ 50' \pm 30'$