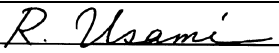




SERVICE BULLETIN

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

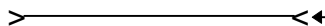
SPECIFICATIONS

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

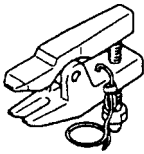
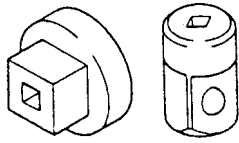
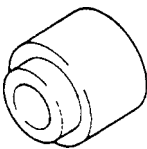
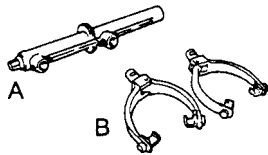
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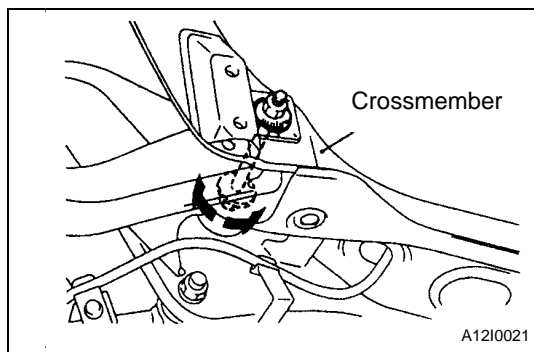
| Items | | Specifications |
|--|--------------------------------|------------------------------------|
| Toe-In | At the centre of tyre tread mm | 3 ± 3 |
| | Toe-angle (per wheel) | 0°09' ± 09' <Added> |
| Camber | | -1°00' ± 30' , -0°50' ± 30* |
| Dimension for positioning upper arm bracket mm | |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

| | | |
|--------------------------------------|--|----------------------|
| <div> <div></div> <div></div> </div> | NOTE *: High ground-clearance suspension | <Added> |
|--------------------------------------|--|----------------------|

SPECIAL TOOLS

34100060159

| 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 B 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

34101280011

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>

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