

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

1994 Mitsubishi 3000GT

1994 WHEEL ALIGNMENT
Chrysler Corp./Mitsubishi
Wheel Alignment Specifications & Procedures

Dodge; Stealth
Mitsubishi; Diamante, 3000GT

NOTE: Prior to performing wheel alignment, perform preliminary visual and mechanical inspection of wheels, tires and suspension components. See PRE-ALIGNMENT INSTRUCTIONS in WHEEL ALIGNMENT THEORY/OPERATION article in GENERAL INFORMATION section.

WHEEL ALIGNMENT PROCEDURES

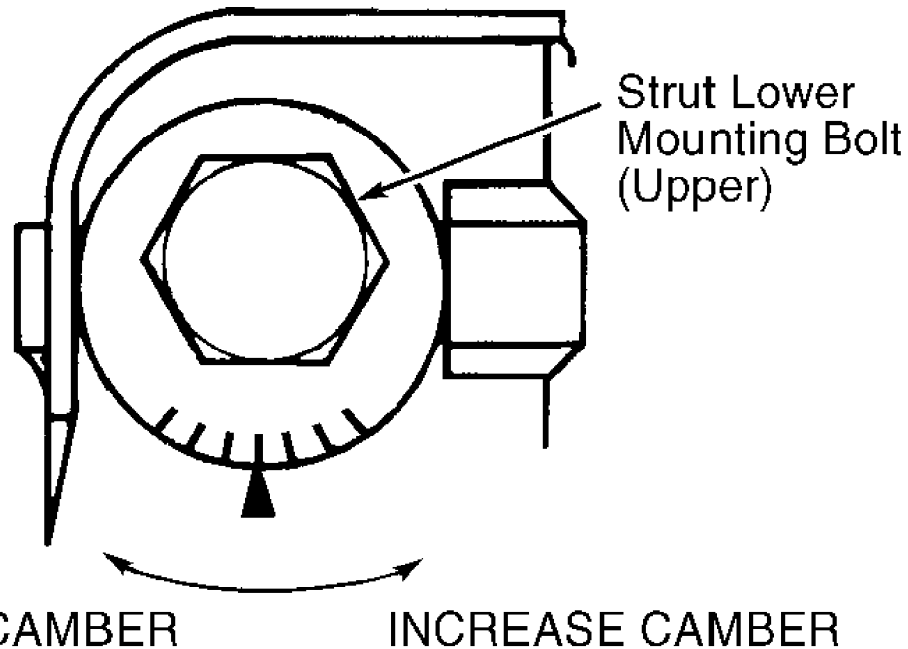
CAMBER ADJUSTMENT

Diamante

Camber is preset and cannot be adjusted. Check camber. See appropriate WHEEL ALIGNMENT SPECIFICATIONS table. If camber is not within specification, replace damaged or bent parts.

Stealth & 3000GT

Check camber. See WHEEL ALIGNMENT SPECIFICATIONS table. If camber is not within specification, loosen eccentric cam nut. Rotate eccentric cam bolt to obtain correct camber. See Fig. 1. Each marking represents a change of .12-.25 degree of camber.



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Fig. 1: Adjusting Front Camber; Adjusting Rear Camber Is Similar
(Stealth & 3000GT)

Courtesy of Mitsubishi Motor Sales of America

CASTER ADJUSTMENT

Check caster. See appropriate WHEEL ALIGNMENT SPECIFICATIONS table. If caster is not within specification, replace damaged or bent parts.

TOE-IN ADJUSTMENT

Front

Check front toe-in. See appropriate WHEEL ALIGNMENT SPECIFICATIONS table. If front toe-in is not within specification, remove clips. Turn tie rods or turnbuckles same amount, but in opposite directions. Recheck front toe-in.

Rear (Diamante)

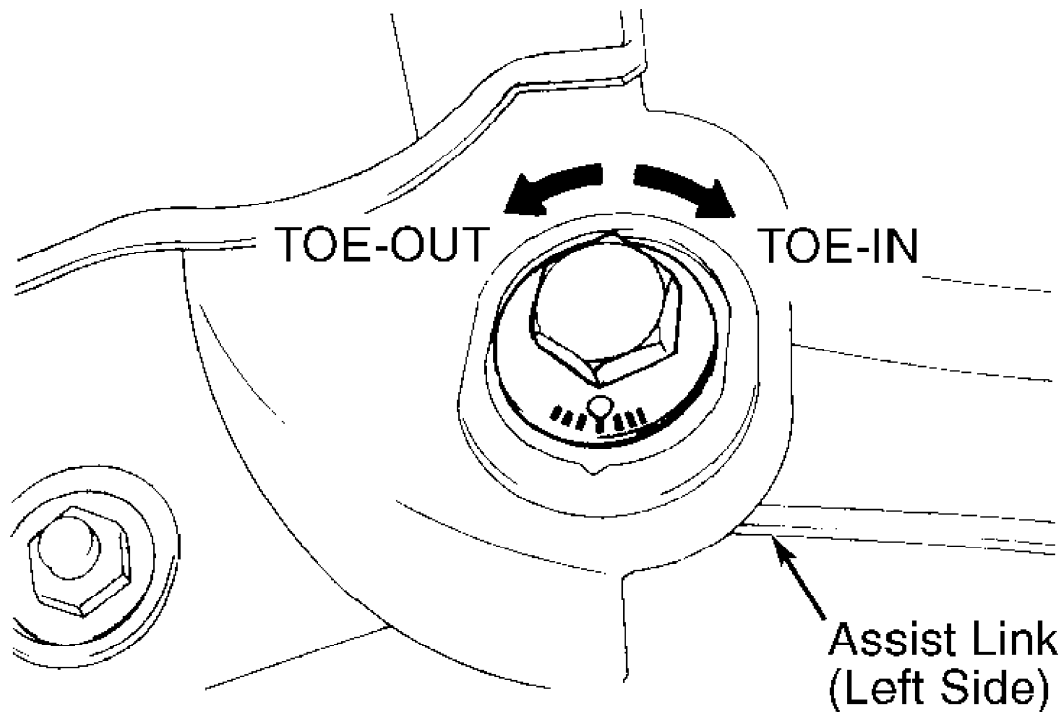
Check rear toe-in. See appropriate WHEEL ALIGNMENT SPECIFICATIONS table. If rear toe-in is not within specification, replace damaged or bent parts.

Rear (Stealth FWD & 3000GT FWD)

Check rear toe-in. See WHEEL ALIGNMENT SPECIFICATIONS table. If rear toe-in is not within specification, loosen both assist link eccentric cam nuts. Turn assist link eccentric cam bolts equal amount to obtain correct rear toe-in. See Fig. 2.

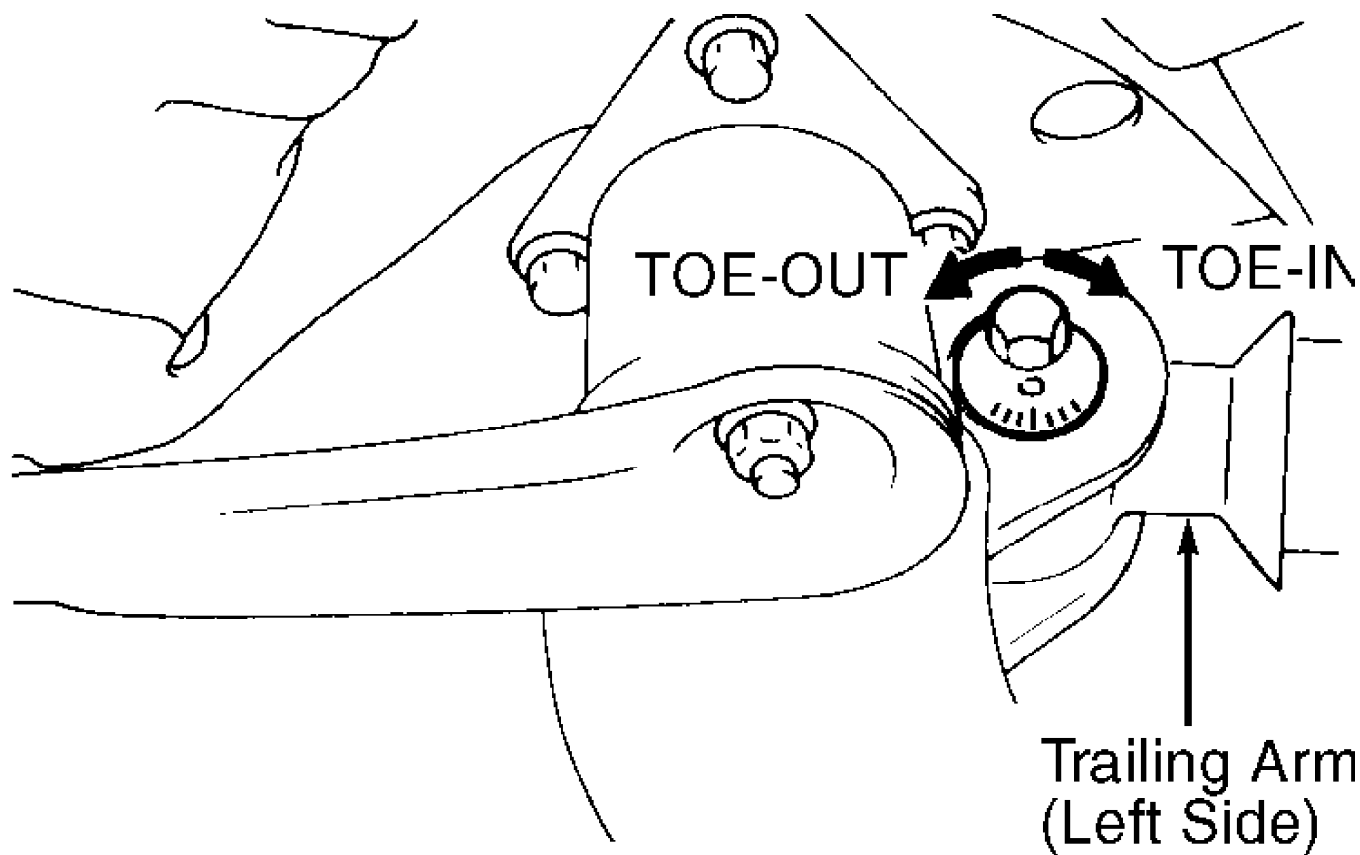
Rear (Stealth AWD & 3000GT AWD)

Check rear toe-in. See WHEEL ALIGNMENT SPECIFICATIONS table. If rear toe-in is not within specification, loosen both trailing arm eccentric cam nuts. Turn trailing arm eccentric cam bolts equal amount to obtain correct rear toe-in. See Fig. 3.



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Fig. 2: Adjusting Rear Toe-In (Stealth FWD & 3000GT FWD)
Courtesy of Mitsubishi Motor Sales of America



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Fig. 3: Adjusting Rear Toe-In (Stealth AWD & 3000GT AWD)
Courtesy of Mitsubishi Motor Sales of America

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

| Application | Ft. Lbs. (N.m) |
|------------------------|------------------|
| Wheel Lug Nut | |
| Stealth & 3000GT | 87-101 (118-137) |
| Diamante | 65-80 (90-110) |

WHEEL ALIGNMENT SPECIFICATIONS

WHEEL ALIGNMENT SPECIFICATIONS TABLE (DIAMANTE)

| Application | Preferred | Range |
|--------------------|-----------|-------------------------|
| Camber (1) | | |
| Front & Rear | 0 | -0.5 To 0.5 |
| Caster (1) | 2.75 | 2.25 To 3.35 |
| Toe-In (2) | | |
| Front & Rear | 0 (0) | -0.12 To 0.12 (-3 To 3) |

(1) - Measurement in degrees.

(2) - Measurement in inches (mm).

WHEEL ALIGNMENT SPECIFICATIONS TABLE (STEALTH & 3000GT)

| Application | Preferred | Range |
|----------------------|------------------|-------------------------|
| Camber (1) | | |
| Front | 0 | -0.5 To 0.5 |
| Rear (FWD) | 0 | -0.5 To 0.5 |
| Rear (AWD) | -0.17 | -0.67 To 0.33 |
| Caster (1) | 3.92 | 3.42 To 4.42 |
| Toe-In (2) | | |
| Front | 0 (0) | -0.12 To 0.12 (-3 To 3) |
| Rear | 0.01 (0.5) | -0.08 To 0.1 (-2 To 3) |
| Toe-Out On Turns (1) | | |
| Inner | 33.75 | |
| Outer | 28.35 | |

(1) - Measurement in degrees.

(2) - Measurement in inches (mm).
