

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

1993 Mitsubishi Montero

1993 WHEEL ALIGNMENT
Mitsubishi - Specifications & Procedures

Montero

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

1) Check camber. See appropriate WHEEL ALIGNMENT SPECIFICATIONS table. If camber is not within specification, remove shock absorber mounting nut and lock nut.

CAUTION: Difference in shim thickness between front and rear must not exceed .16" (4.0 mm). DO NOT use more than 3 shims at one location.

2) Compress shock absorber, and loosen upper arm mounting bolts and nuts. Adjust camber by increasing or decreasing shims between upper arm shaft and crossmember. See Fig. 1.

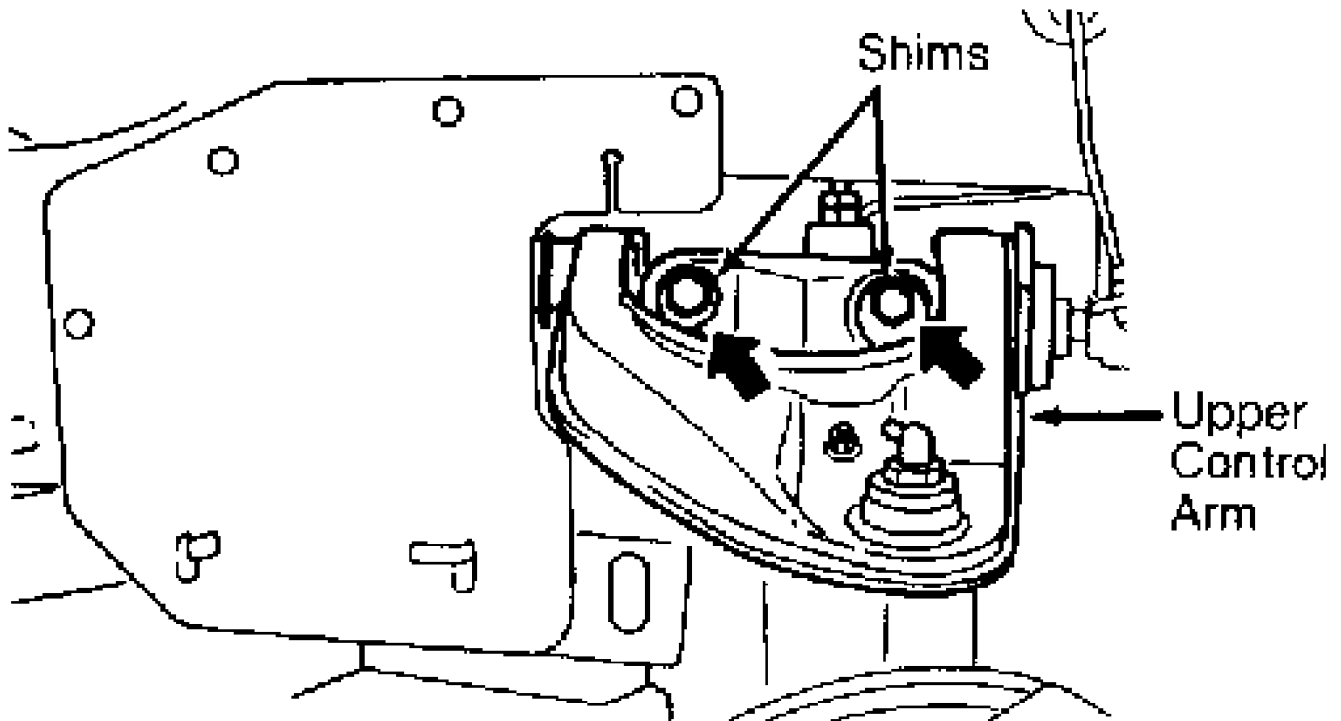


Fig. 1: Adjusting Camber & Caster (Typical)
Courtesy of Mitsubishi Motor Sales of America.

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

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

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Shock Absorber-To-Crossmember Nut	10-13 (14-18)
Shock Absorber-To-Lower Arm Bolt	11-16 (15-22)
Upper Arm Shaft To Crossmember	72-87 (98-118)
Wheel Lug Nut	72-87 (98-118)

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Application	Preferred	Range
Camber (1)		
Front	0.67	0.17 To 1.17
Rear	0
Caster (1)	3	2 To 4
Toe-In (1)		
Front	0.28	0 To 0.56
Rear	0
Toe-In (2)		
Front	0.14 (3.5)	0 To 0.28 (0 To 7)
Rear	0
Toe-Out On Turns (1)		
Inner	21.93
Outer	20

(1) - Measurement in degrees.

(2) - Measurement in inches (mm).