

TECHNICAL BULLETIN



Suspension – Alignment Specifications

MODEL All except XJ6 Series III

DATE 5/95

60-5
Amended
1/96

Remove and destroy Bulletin 60-5, Date 5/95.
Replace with this Bulletin.
Revisions are marked with a bar and indicated in Bold Text.

ISSUE:

Current alignment specifications for 1988 MY ON Sedan Range vehicles and all XJS Range vehicles.

ACTION:

Use the following specifications when performing 4-wheel alignment.

- Sedan Range - 1988-1994 MY Alignment Specifications Page 2
- Sedan Range - 1995-1996 MY Alignment Specifications Page 3
- XJS Range Alignment Specifications Page 4

IMPORTANT:

- Adjust the tire pressures to the “Comfort Settings” found on the vehicle data plate.
- Ensure that the vehicle setting height is within specification.
- Install the correct mid-laden tools (except on XJR-S and sportspack Coupe vehicles). Adjust to setting height as necessary (Sedan Range, front).
- When measuring caster, use the vehicle steering wheel to turn the road wheels to the left and right. **DO NOT START THE ENGINE** unless the ride leveling system has been disabled.
- Center and lock the steering rack with the correct centering pin to measure and adjust toe.
- Record the “before” and “after” tire pressures and alignment data on the repair order.

SEDAN RANGE – ALIGNMENT SPECIFICATIONS 1988 – 1994 MY

NOTE: Install the correct mid-laden tools. Adjust the front suspension tools to the correct setting height.

Vehicle Setting Height - Sedan (3.6L and 4.0L) Range VIN 506664 – 708757

	DIMENSION	MEASUREMENT POSITION
FRONT	6.00 in ± 0.2 in	bottom of the front sub frame to the alignment equipment wheel plates
REAR	6.30 in ± 0.2 in	rear edge of the wishbone to the alignment equipment wheel plates

Vehicle Setting Height - XJ12 Sedan VIN 671007 - 708757

	DIMENSION	MEASUREMENT POSITION
FRONT	5.63 in ± 0.2 in	bottom of the front sub frame to the alignment equipment wheel plates
REAR	6.30 in ± 0.2 in	rear edge of the wishbone to the alignment equipment wheel plates

Vehicle alignment specifications - Sedan Range VIN 506664 – 708757

SEDAN RANGE 1988 - 1994 MY FROM VIN 506664 - 708757	FRONT	REAR	
	ALL	NON-ADJ. TOE	ADJUSTABLE TOE
CASTER ANGLE (degrees)	+2.0° to +7.0°	Not applicable	Not applicable
CAMBER (degrees)	+0.4° to -1.0°	-1.15° to -0.35°	-1.15° to -0.35°
TOTAL TOE (degrees)	+0.25° to -0.08°	0° ± 0.8°	+0.58° to -0.08°
TOTAL TOE (inches) with 15 in wheels	+0.065 in to -0.022 in	0.0 in ± 0.023 in	+0.153 in to -0.022 in
TOTAL TOE (inches) with 16 in wheels	+0.070 in to -0.023 in	0.0 in ± 0.023 in	+0.163 in to -0.023 in

NOTE: Rear toe is not adjustable before VIN 687219.

SEDAN RANGE – ALIGNMENT SPECIFICATIONS 1995 - 1996 MY

NOTE: Install the correct mid-laden tools. Adjust the front suspension tools to the correct setting height.

Vehicle Setting Height - Sedan (4.0L) Range From VIN 720001

	DIMENSION	MEASUREMENT POSITION
FRONT	6.00 in ± 0.2 in	bottom of the front sub frame to the alignment equipment wheel plates
REAR	6.30 in ± 0.2 in	rear edge of the wishbone to the alignment equipment wheel plates

Vehicle Setting Height - XJ12 Sedan From VIN 720001

	DIMENSION	MEASUREMENT POSITION
FRONT	5.63 in ± 0.2 in	bottom of the front sub frame to the alignment equipment wheel plates
REAR	6.30 in ± 0.2 in	rear edge of the wishbone to the alignment equipment wheel plates

Vehicle alignment specifications - Sedan Range From VIN 720001

SEDAN RANGE 1995 - 1996 MY FROM VIN 720001	FRONT	REAR	
	ALL	ALL EXCEPT XJR	XJR ONLY
CASTER ANGLE (degrees)	+2.0° to +7.0°	Not applicable	Not applicable
CAMBER (degrees)	+0.4° to -1.0°	-1.15° to -0.35°	-2.0° to -1.2°
TOTAL TOE (degrees)	+0.25° to -0.08°	+0.58° to -0.08°	+0.58° to -0.08°
TOTAL TOE (inches) with 16 in wheels	+0.070 in to -0.023 in	+0.163 in to -0.023 in	+0.163 in to -0.023 in
TOTAL TOE (inches) with 17 in wheels	+0.074 in to -0.024 in	+0.172 in to -0.024 in	+0.172 in to -0.024 in

XJS RANGE – ALIGNMENT SPECIFICATIONS

NOTE: Install the correct mid-laden tools. All setting height dimensions are for reference only. XJR-S and sportspack Coupe vehicles whose normal ride height prevents the use of mid-laden tools, should be checked/set at their normal ride height.

Vehicle Setting Height - XJS Range - All

	DIMENSION	MEASUREMENT POSITION
FRONT	6.00 in \pm 0.2 in	bottom of the front sub frame to the alignment equipment wheel plates
REAR	6.38 in \pm 0.2 in	rear edge of the wishbone to the alignment equipment wheel plates

Vehicle alignment specifications - XJS Range - Except XJR-S

XJS RANGE	FRONT	REAR
CASTER ANGLE (degrees)	+2.0° to +6.0°	Not applicable
CAMBER (degrees)	-0.1° to -0.9°	-1.0° to -0.5°
TOTAL TOE (degrees)	+0.5° to +0.17°	0° \pm 0.33°
TOTAL TOE (inches) with 15 in wheels	+0.131 in to +0.044 in	+0.087 in to -0.087 in
TOTAL TOE (inches) with 16 in wheels	+0.140 in to +0.047 in	+0.093 in to -0.093 in

Vehicle alignment specifications - XJR-S - All

XJS RANGE	FRONT	REAR
CASTER ANGLE (degrees)	+3.5° \pm 0.25°	Not applicable
CAMBER (degrees)	-0.75° \pm 0.25°	-1.3°
TOTAL TOE (degrees)	+0.33°	parallel

WARRANTY POLICY:

Wheel alignment is covered under the Jaguar New Car Warranty for a period of 12 months or 12,500 miles, whichever comes first, from first retail sale.

Wheel alignments may not be performed under warranty without a customer complaint. "Before" and "after" settings must be recorded and kept with the repair order in the vehicle file.