

ALFA 159 1.9 JTD 16V REAR WHEEL GEOMETRY - CHECK USING OPTICAL EQUIPMENT, INCLUDES ADJUSTMENT IF NECESSARY 4450A40



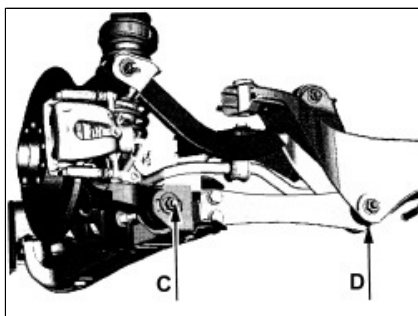
Check the geometries (ground clearance) only when the springs or shock absorbers are replaced but check the rear suspension angles every time a moving part of the suspension is adjusted.

- Check the rear wheel geometry after carrying out the following checks on the parts that affect the wheel geometry:

- vehicle in "STANDARD 0" load conditions (all engine fluids and approximately 8 litres of fuel in the tank) or "STANDARD A" conditions (vehicle unladen including spare wheel, tools, accessories and tanks/reservoirs topped up, full tank of fuel);

- Tyre inflation pressure.

GEOMETRY CHECK



- Check the rear wheel geometry, ensuring that ground clearance D - C is within the following values.

Rear wheel geometry (standard 0)		
Distance D - C	23 ± 5	mm
Rear wheel geometry (standard A)		
Distance D - C	12 ± 5	mm

TOE IN CHECK

- Check that the rear wheel half toe-in is within required limits.

REAR WHEEL SEMI TOE IN		
Standard 0	$11' \pm 7'$	-
REAR WHEEL SEMI TOE IN		
Standard A	$13' \pm 7'$	-

- If the rear wheel half toe-in is not within the recommended figures, adjust it following the instructions given below.

CAMBER CHECK

1. Check that the rear wheel camber is within required limits.

REAR WHEEL CAMBER		
Standard 0	$-25' \pm 18'$	-
REAR WHEEL CAMBER		

Standard A

-40' ± 18'

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- If the rear wheel camber is not within

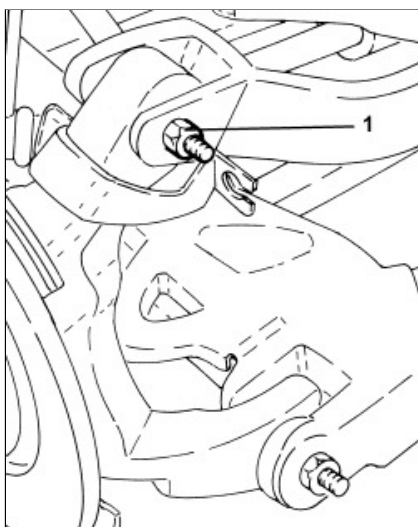
specified limits, adjust as follows.

ADJUSTING THE CAMBER AND TOE-IN



1. Undo the bolts securing the rear suspension longitudinal arms to the stub axles and adjust the screws to alter the rear wheel toe-in.

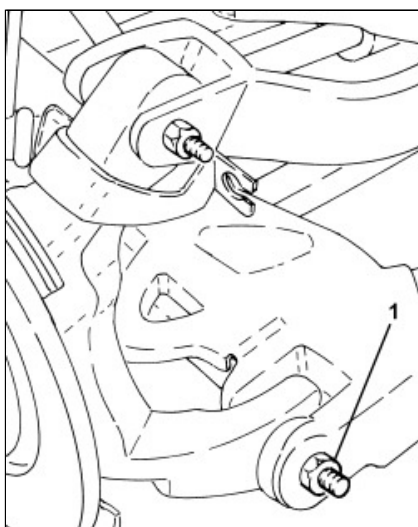
- Screw in the bolts securing the rear suspension longitudinal arms to the stub axles without tightening them.



1. Adjust the screws for the bolts securing the track control arms (camber rod) to adjust the camber of the rear wheels to the recommended value.

- Tighten the wishbone bolts (camber rod) to the specified torque.

Component	Fastening	dia	Value (daNm)	Validity
Steering knuckle side camber rod	Bolt	M12	7.8 ÷ 9.3 + 30°	



1. Adjust the screws for the bolts securing the rear suspension longitudinal arms to the stub axles to adjust the toe in to the recommended value.

- Tighten the bolts securing the rear suspension longitudinal arms to the steering knuckles to the specified torque.

Component	Fastening	dia	Value (daNm)	Validity
Steering knuckle side longitudinal arm (toe in)	Bolt	M14	9.5 ÷ 10.5 + 45°	