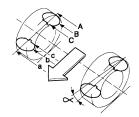
Section 6 Front suspension and steering

Group 60 Wheel alignment

Turning circle, measured at tyresmetres	10.2
measured at bumpers metres	11.5
Steering wheel turns	3.2

Angle (*can be adjusted)	Checking and adjustment values	Max. difference between right and left sides
Front		
Camber	0° ± 1°	1°
Can be adjusted \pm 1 $^\circ$ using a conversion		
kit. See service manual.		
Caster	3° 20' ± 1°	1°
Toe-in*	20' ± 6'	6'
Wheel deflection		
inner wheel	39.9° ± 1.6°	
outer wheel	$34.8^{\circ} \pm 0.9^{\circ}$	
Rear		
Camber	- 1° ± 30'	
Toe-in*	4' ± 10'	
Angle of thrust *	0° ± 15'	

Conversion table for Toe-in, degrees to mm (inches)



~	A – a	B – b	C – c
20' ± 6'	3.6 ± 1.0 mm		
	$(0.14" \pm 0.04")$	(0.11" ± 0.04")	(0.09" ± 0.03")

Group 61 Front wheel suspension

Tightening torque	Nm	Dim.	ft. lb
Ball joint - Spring strut	40	M 10	30
Ball joint - Control arm, stage 1		М 8	13
stage 2angle-tighten	120°		120°
Control arm - Sub-frame, stage 1	65	M 12	48
stage 2angle-tighten	120°		120°
Anit-roll bar - Subframe	50	M 10	37
Anti-roll bar - Link	50	M 10	37
Link - Spring strut	50	M 10	37
Spring strut - Body	25	M 8	18
Shock absorber - Steering knuckle, stage 1	65	M 12	48
stage 2 angle-tighten	90°		90°
Front wheel hub - Steering knuckle, stage 1	20	M 12	15
stage 2	45		33
stage 3 angle-tighten	60°		60°
Front wheel hub - Driveshaft, stage 1	120	M 20	89
stage 2angle-tighten	60°		60°
Union - Shock absorber		M 14	52
Shock absorber - Upper bearing	70	M 14	52

Group 64 Steering

Steering gear	
Make	CAM GEAR
No. of turns lock to lock	3,2
Ratio	16.8:1
Clearance between pre-tensioning piston and covermm Frictional torque	0.05 - 0.12
measured on input shaftNm	0.6 - 1.8
Checking servo balance:	
pump pressure when measuring st. wheel torqueMpa	1.2
torque on steering wheelNm	3.4 - 4.0
max. deviation between right and left locksNm	0.7
Lubricant, type	
quantitygram	
Hydraulic oil, ATF-oiltype	
	Dexron D/E
	Ford Mercon
quantitylitres	0.8
Servo pump	
Max.pressureMpa	8.3

Tightening torque, steering	Nm	Dim.	ft.lb
Steering wheel - Steering column, upper	40	M 12	30
Airbag unit - Steering wheel	10	M 6	7
Steering shaft, lower - Steering column, steering gear	20	M 8	15
Steering column - Bracket	16	M 8	12
Steering gear - Subframe	50	M 10	37
Steering gear - Anchorage, middle	80	M 12	59
Tie rod - Outer ball joint	70	M 14	52
Tie rod ball joint - Steering arm	70	M 12	52
Steering column, lower anchorage - Bracket	25	M 8	18
Bracket - Subframe	25	M 8	18
Stop, steering gear - Subframe	50	M10	37
Stop - Bracket, servo pipe	25	M 8	18
Anchorage, middle - Subframe	50	M 10	37
Stay, steering column - A-pillar	25	M 8	18
Impact barrier, servo pump - Front attachment plate	25	M 8	18

Group 65 Rear wheel suspension

Tightening torques	Nm	Dim.	ft. lb
Rear axle link - Body, stage 1	105	M 14	77
stage 2angle-tighten	90°		90°
Bracket - Body, stage 1	65	M 12	48
stage 2angle-tighten	60°		60°
Rear axle link - Support arm, stage 1	65	M 12	48
stage 2 angle-tighten	120°		120°
Bushing housing - Cross stay, stage 1	50	M 10	37
stage 2 angle-tighten	120°		120°
Bushing - Cross stay	80	M 12	59
Shock absorber - Lower attachment	80	M 12	59
Shock absorber - Upper bearing	40	M 10	30
Shock absorber (Nivomat) - Upper bearing) M 12	40	M 12	30
M 10	30	M 10	22
Spring attachment - Spring seat	50	M 10	37
Rear wheel hub - Wheel axle, stage 1	120	M 20	89
stage 2 angle-tighten	30°		30°
Wheel axle - End plate, stage 1	35	M 10	26
stage 2angle-tighten	60°		60°
Upper bearing - Body		M 8	18
Anti-roll bar - Tie plate, left, stage 1	50	M 10	37
stage 2angle-tighten	90°		90°
Washer, upper spring attachment - Body	50	M 10	37
Wheel - Hub	t .	M 12	81
Anti-roll bar - Cross stay, left, stage 1,	65	M 12	48
stage 2,angle-tighten	90°		90°
Anti-roll bar - Cross stay, right, stage 1	65	M 12	48
stage 2, angle-tighten	90°		90°
Anti-roll bar - Cross stay, right	50	M 10	37