SPECIFICATIONS AND SPECIAL TOOLS

PART 3-9

FRONT WHEEL ALIGNMENT

Caster and Camber when Checked at Controlled Body Height.

ALL MODELS (EXCEPT TICKFORD SUSPENSION)		CHECKING SPECIFICATIONS			Optimum Resetting Specification
		Minimum	Maximum	Max. Variation between Wheels	
CASTER		3°	4°	1°	3½°
CAMBER		-1°	0°	¾°	-½°
TOTAL TOE-IN AT MAXIMUM TYRE DIAMETER	Degrees	0° 09′	0° 27′	—	0° 18′
	Linear	1.5 mm	4.5 mm	—	3.0 mm
King-Pin Angle Relative to Spindle Stem					7½°
Turning Angle of Outside Wheel with Inside Wheel turned 20°					18½°

Wheel Alignment Specifications when Ride Height Spacers are not available.

Front Fender Opening to Centre of Wheel (Dimension mm)		Rear Fender Opening to Centre of Wheel (Dimension mm)	Caster ± ½°	Camber ± ½°
Fairlane & LTD	Falcon (All)	ALL	ALL	ALL
388	375	375	4½°	-1°
418	405	405	4¼°	-½°
448	435	435	4°	-¼°

Selection of Suspension Geometry Specification from above chart

(a) Measure vehicle fender openings and select from chart geometry that has closest front fender openings.

(b) Compare vehicle rear fender opening with that given in the chart, against the geometry selected in (a), and modify the caster requirement as follows:

1. For each 12 mm the vehicle fender opening is over the chart figure, reduce caster by ¼°.

2. For each 12 mm the vehicle fender opening is under the chart figure, increase caster by ¼°.

WHEEL ALIGNMENT
(TICKFORD SUSPENSION) — EXCEPT XR8 — SPRINT

CAMBER: ..... – 1¼° ± ½° (S.W.B.) -¾° ± ½° (L.W.B.)
CASTER: ..... +3½° ± ½° (ALL)
TOE-IN/OUT: ..... 0 ± 1½ mm - (ZERO Preferred)
RIDE HEIGHTS: (In mm at Kerb Wt, Centre of wheel to wheel arch eyebrow ± 12 mm

	FRONT	REAR
S.W.B.	367	377
L.W.B.	395	390