SUBARU (Cont.)

Riding Height Specifications

Application	Front In. (mm)	Rear In. (mm)
1600 & 1800 (2-WD)		
Station Wagon	9.65-10.63 (245-270)	11.02-11.81 (280-300)
All Others	9.45-10.43 (240-265)	10.24-11.02 (260-280)
1600 & 1800 (4-WD)		
Hatchback	10.43-11.42 (265-290)	12.60-13.39 (320-340)
Station Wagon	10.63-11.61 (270-295)	13.19-13.98 (335-355)
BRAT	9.84-10.83 (250-275)	13.58-14.37 (345-365)

7) Rotate torsion bar and outer arm to shift matching of inner serration by appropriate pitches and engage inner serration with crossmember. Pull outer arm from torsion bar and rotate outer arm in opposite direction to shift matching of outer serration by appropriate pitches.

NOTE – *DO NOT disengage inner serration of torsion bar from crossmember.*

8) Install outer arm to torsion bar and crossmember, then measure vertical distance between end of outer arm and vehicle body. Change in this distance shows half of change in riding height clearance caused by adjustment.

9) Install 3 bolts connecting outer and inner arms. Repeat adjustment procedure on opposite wheel. Install wheels and lower vehicle. Install shock absorbers and outer bushing lock bolt. Check rear riding height adjustment. If correct, tighten lock bolt on outer bushing. If incorrect, repeat adjustment on each wheel.

CASTER

Caster angle is not adjustable. If angle is not to specifications, inspect suspension for wear or damage and repair or replace components as necessary.

CAMBER

Camber angle is not adjustable. If angle is not to specifications, inspect suspension for wear or damage. Repair or replace components as necessary.

TOE-IN

If toe-in is not within specifications, loosen both left and right tie rod lock nuts. Turn both tie rods an equal amount until specified toe-in is obtained.

TOYOTA

ADJUSTMENT

TIRE INFLATION (COLD)

Before attempting to check or adjust wheel alignment, make sure tires are properly inflated. Refer to manufacturer's specifications given in owner's manual.

CAMBER & CASTER

NOTE – *Caster and camber adjustments should always be made in one operation.*

Pickup (2-WD) – If camber or caster angles are not within specifications, adjust by adding or removing shims between upper control arm shaft and front suspension crossmember. To increase camber, remove shims from upper control arm shaft bolts in equal amounts. To decrease camber, add shims to upper control arm shaft bolts in equal amounts. To increase caster, add shims to rear side of upper control arm shaft bolt or remove shims from front side. To decrease caster, remove shims from rear side of upper control arm shaft bolt or add shims to front side.

Land Cruiser & Pickup (4-WD) – Camber and caster are not adjustable. If not within specifications, inspect and repair or replace front suspension components as necessary.

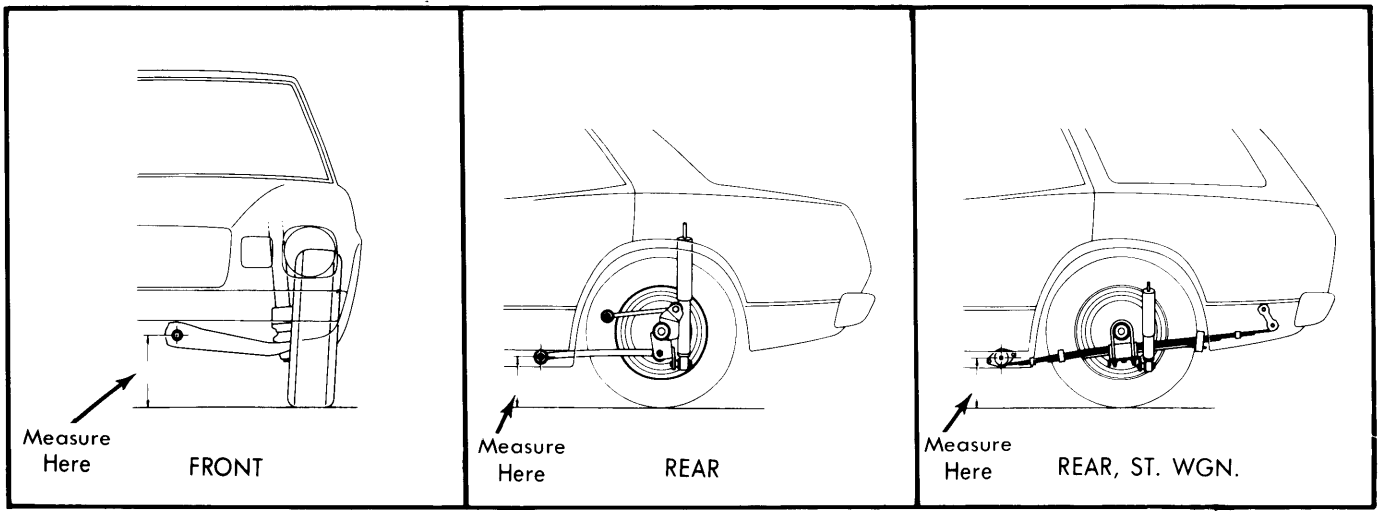

Fig. 1 Riding Height Measurement Points for All Models – Except Pickup & Land Cruiser

TOYOTA (Cont.)

All Other Models – If angles are not within specifications, adjust by turning nuts on lower arm. If caster angle is too large, increase distance between staked nut and lower arm. If caster angle is too small, decrease distance between staked nut and lower arm. If caster or camber cannot be adjusted to specifications, inspect and repair or replace front suspension components as necessary.

NOTE – *Always loosen strut bracket side nut first.*

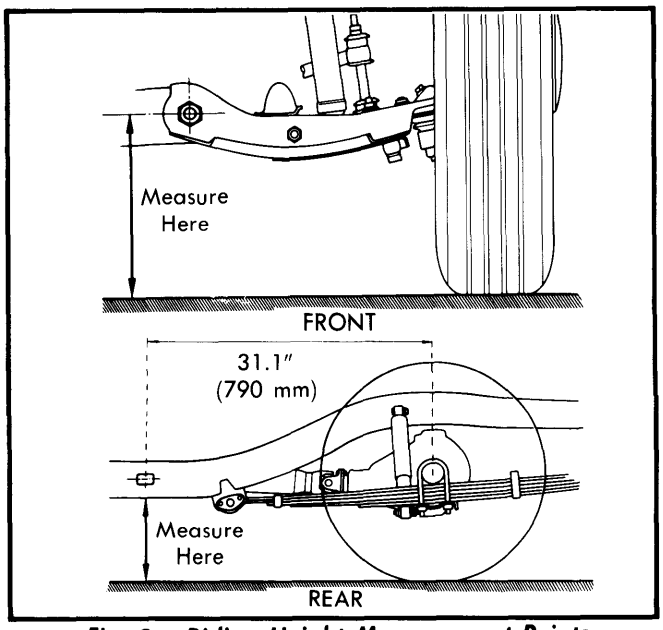

Fig. 2 Riding Height Measurement Points for 2-WD Pickup Models

TOE-IN

All Models – If toe-in is not within specifications, loosen steering link (tie-rod) clamping bolts and rotate adjusting sleeves an equal amount until correct toe-in is obtained. Position clamp bolts at right angles to slot in tie rod and tighten bolts.

RIDING HEIGHT

Before adjusting wheel alignment, check riding height. Riding height must be checked with vehicle on level surface. Bounce vehicle several times and allow suspension to settle. Check riding height as shown in *Fig. 1* or *Fig. 2*. If riding height is not within specifications listed in Riding Height Specifications table, check and repair or replace suspension components.

Riding Height Specifications①

Application	Front In. (mm)	Rear In. (mm)
Celica & Supra		
165SR14	9.21 (234)	9.25 (235)
175SR14	9.41 (239)	9.45 (240)
185/70 SR14	9.33 (237)	9.37 (238)
Corolla		
Station Wagon		
165SR13	9.13 (232)	9.13 (232)
All Others		
6.45-13	9.33 (237)	9.49 (241)
165SR13	9.06 (230)	9.21 (234)
185/70 SR13	9.13 (232)	9.29 (236)
185/70 HR13	9.13 (232)	9.29 (236)
Corona		
Station Wagon		
5.60-13	9.1 (231)	8.9 (225)
6.45-13	9.0 (229)	8.8 (223)
165SR13	8.8 (223)	8.54 (217)
165SR14	9.25 (235)	9.0 (229)
175SR14	9.49 (241)	9.25 (235)
All Others		
5.60-13	9.1 (231)	9.2 (233)
6.45-13	9.0 (229)	9.1 (231)
165SR13	8.8 (223)	8.9 (225)
165SR14	9.25 (235)	9.33 (237)
175SR14	9.49 (241)	9.6 (243)
Cressida		
Station Wagon		
(All Tires)	7.68 (195)	9.06 (230)
Pickup (2-WD)		
½ Ton		
7.00-14 6PR	10.29 (261.4)	11.35 (288.3)
185SR14 4PR	9.83 (249.6)	10.65 (270.4)
E78-14(B)	10.02 (254.4)	11.08 (281.3)
ER78-14(B)	9.87 (250.6)	10.67 (271.0)
¾ Ton		
7.50-14 6PR	10.96 (278.4)	12.02 (305.3)
Tercel		
155-13 &		
6.15-13 4PR	8.82 (224)	10.47 (266)
155SR12	8.19 (208)	9.84 (250)
165/70 SR13	8.54 (217)	10.20 (259)

① – According to tire size.

TRIUMPH

ADJUSTMENT

TIRE INFLATION (COLD)

Before attempting to check or adjust wheel alignment, make sure tires are properly inflated. Refer to manufacturer's specifications given in owner's manual.

CASTER

All Models – Caster angle is not adjustable. If caster angle is not to specifications, inspect suspension system for wear or damage and repair or replace components as necessary.

CAMBER

Spitfire – Before adjusting camber angle, inspect suspension for wear or damage and repair or replace components as necessary. To adjust, raise vehicle and support chassis on jack stands. Loosen nuts securing lower control arm bracket to chassis. Add shims equally to front and rear of bracket to decrease camber or remove shims equally to increase camber. After each adjustment is made, tighten bracket-to-chassis bolts, remove jack stands and measure camber angle.

TR7 & TR8 – Camber angle is not adjustable. If camber angle is not within specifications, inspect suspension system for