

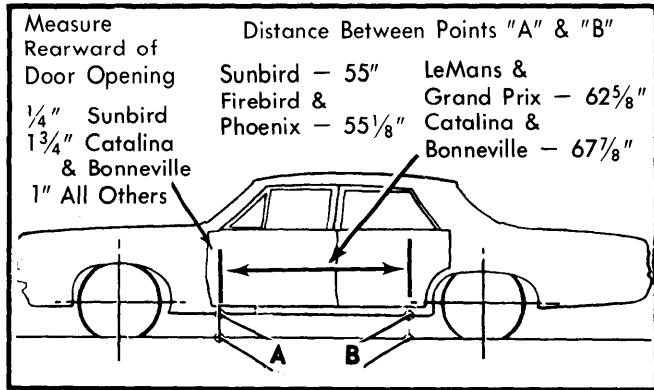
# Wheel Alignment

## GENERAL MOTORS (Cont.)

### PONTIAC

#### TIRE INFLATION (COLD)

Before attempting wheel alignment adjustments, tires must be inflated to specified pressures shown on vehicle placard label.



**Fig. 34 Riding Height Measuring Points (Pontiac - All Models)**

#### RIDING HEIGHT

With vehicle at curb height and on a level floor, bounce vehicle several times and allow to settle. Measure heights at locations shown in Fig. 34. Specifications are for new vehicles. Most vehicles in use will average 1" less than new vehicles.

Riding Height Specifications		
Application	Front "A"	Rear "B"
LeMans, Grand Am		
Grand LeMans		
Station Wagons	10.25"	10.38"
All Others	10.25"	10.25"
Grand Prix	9.75"	9.75"
Catalina & Bonneville	10.25"	10.25"
Firebird	8.50"	7.87"
Phoenix	9.62"	9.50"
Sunbird	7.75"	7.75"

#### CASTER

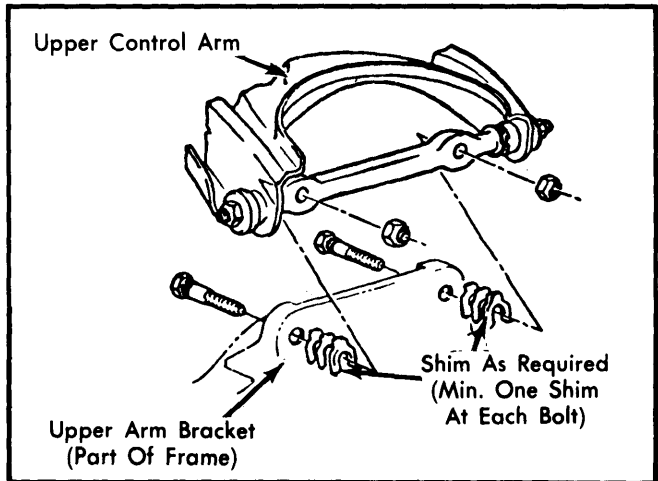
**All Models (Exc. Sunbird)** - To adjust caster, loosen control arm shaft-to-frame bolts. To decrease caster, add shims to front bolt and remove shims from rear bolt. To increase caster, remove shims from front bolts and add shims to rear bolt. Tighten bolts when adjustment is completed. See Fig. 35.

**NOTE** - Shim pack should never contain more than one small and one medium shim. Shim packs should not exceed 3/4" thickness or have a difference greater than 3/8" between front and rear shim packs.

**Sunbird** - Loosen rear lower control arm pivot nut and rotate cam until specified caster setting is obtained. Cam action moves lower control arm forward and rearward. Tighten pivot nut and recheck caster. See Fig. 26 in CHEVROLET section for illustration of cams.

#### CAMBER

**All Models (Exc. Sunbird)** - To adjust camber, loosen control arm shaft-to-frame bolts. To increase camber, remove shims from both front and rear bolts. To decrease camber, add shims to both front and rear bolts. By adding or removing equal thickness of shims at the front and rear bolts, camber can be changed without changing caster. Tighten bolts when adjustment is completed. See Fig. 35.



**Fig. 35 Pontiac Caster & Camber Adjusting Shims (Except Sunbird)**

**NOTE** - Shim pack should never contain more than one small and one medium shim. Shim packs should not exceed 3/4" thickness or have a difference greater than 3/8" between front and rear shim packs.

**Sunbird** - Loosen front lower control arm pivot nut and rotate cam until specified camber setting is reached. Cam action moves lower control arm in and out. Tighten pivot nut and recheck camber and caster settings. See Fig. 26 in CHEVROLET section for illustration of cam.