



2007 FJ Cruiser Front End Alignment Specifications

The following are some specifications and notes posted online at www.fjcruiserforums.com. Our thanks to the members there.

FJ Cruiser 4X2

FRONT

Specification Neg. Tolerance Pos. Tolerance Left Camber -0.57° 0.50° 0.50° Right Camber -0.57° 0.50° 0.50° Cross
Camber Left Caster 3.57° 0.50° 0.50° Right Caster 3.57° 0.50° 0.50° Cross Caster Total Toe 0.08° 0.17° 0.17° Left
SAI 12.92° 0.50° 0.50° Right SAI 12.92° 0.50° 0.50°
2007

FJ Cruiser 4X4

FRONT

Specification Neg. Tolerance Pos. Tolerance Left Camber 0.15° 0.50° 0.50° Right Camber 0.15° 0.50° 0.50° Cross
Camber Left Caster 2.82° 0.50° 0.50° Right Caster 2.82° 0.50° 0.50° Cross Caster Total Toe 0.08° 0.17° 0.17° Left
SAI 12.35° 0.50° 0.50° Right SAI 12.35° 0.50° 0.50°

When you get the alignment done the caster will more than likely not go back to within specs. What you want to do is get camber as close to center as possible and have the right front caster be .40-.50* greater than the left side this will insure that the vehicle tracks straight and will have no tire wear issues as long as tires are rotated properly. Any alignment shop can do this all they have to do is enter the specs manually the FJ will not be on any programs yet. These are the steps to a Hunter alignment machine, used by most alignment shops:

1. Recall Vehicle Specs
2. Specs Databases
3. User
4. then enter specs

Camber at 0.0 and 0.0. Caster left 2.7, Caster right 2.9 (This compensates for road crown). Toe left 0.05, Toe right 0.05. between adding the positive toe (toe in) and positive caster (lengthening the wheel base) the FJ is much more stable and drives straighter on the highway with less darting. I noticed a BIG difference on small changes, so the FJ is definitely very sensitive.