

FRONT END SET-UP CONTINUED



image 7

6- Next, make sure the chassis is level with a digital protractor. This will make setting the caster easier. (see image 7)



image 8

7- With the chassis level, we can now set the caster. BRP recommends the caster to be set at 10.5° on the right front and 6.5° to 7° on the left front. However on the set-up blocks, we need to set the caster 1.5° more than actual to allow for the tilt in the chassis when we set the car at proper ride heights. So in image 8, we have 12° of caster on the set-up blocks, but at ride height we will have 10.5° . On the left front in image 9, we have 8.2° , but when we set the chassis at proper ride heights the caster will be approx. 6.7° . Adjust the caster using both top radius rods or both bottom radius rods.



image 9

8- After the caster has been set, we can square the front end. Set the wheel base base adjusting the radius rods so the axle is $1\frac{1}{2}''$ away from the back of the shock towers. A piece of $1\frac{1}{2}''$ tubing works well for this (figure 10). Adjust rods evenly so the caster does not change. Be sure to double check both sides as measurements may change as you adjust the opposite side.



image 10

9- Next, jam down all jam nuts except for the right front top radius rod. This rod must be free at all times. The left side is the load carrying side and will be slightly snug, but the right side radius rods should be free at all times. Once the car is set-up, go back and adjust the right front top radius rod until it is free. This will ensure a bind free front end.

10- Once car set on ground, set toe out to $\frac{1}{8}''$ - $\frac{3}{16}$ using toe plates.

Front end set-up is now complete!