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Information and Installation

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JEGSTER STOP SCREW FRONT SUSPENSION LIMITERS

550 40232

Limiting front suspension travel is an effective method to help control wheel stands, reaction times, etc. on a drag race car. By shortening the upper end of the suspension travel, the unsprung weight, (wheels, tires, brakes) will be lifted earlier as the front end of the car rises during acceleration.

The illustrations below show a typical stop screw limiter installation. It is important that the screw be properly aligned to avoid bending forces during operation. The axis of the screw should be 90 degrees from the axis of the control arm bushings as seen from the side of the car. Illustration A below is of this side view with the control arm and spindle left out. The control arm bushing axis is often not parallel to the top of the spring seat. Also, the screw should be 90 degrees from an imaginary line that passes through the control arm axis and the screw contact point when the screw is set at the middle of it's usable adjustment. See the front view illustration B. The screw should be positioned in this manner through a hole in the control arm and the large nut then tack welded to the arm. The adjustor pad should then be welded to the spring tower to provide a flat seat for the screw. Remove the screw, finish the welds, chase the threads with a tap, and reassemble. Repeat this process on the other side of the car. Adjust the stop screws as desired and tighten the jam nuts.

