



SHELBY MUSTANG FRONT STRUT DUAL BLEED EXTERNAL DETAILS

BUMP RUBBER
Provides a plush cushion near the end of stroke, preventing abrupt damper bottoming. Prevents violent chassis disruption due to large high speed shaft displacement that causes bottoming.

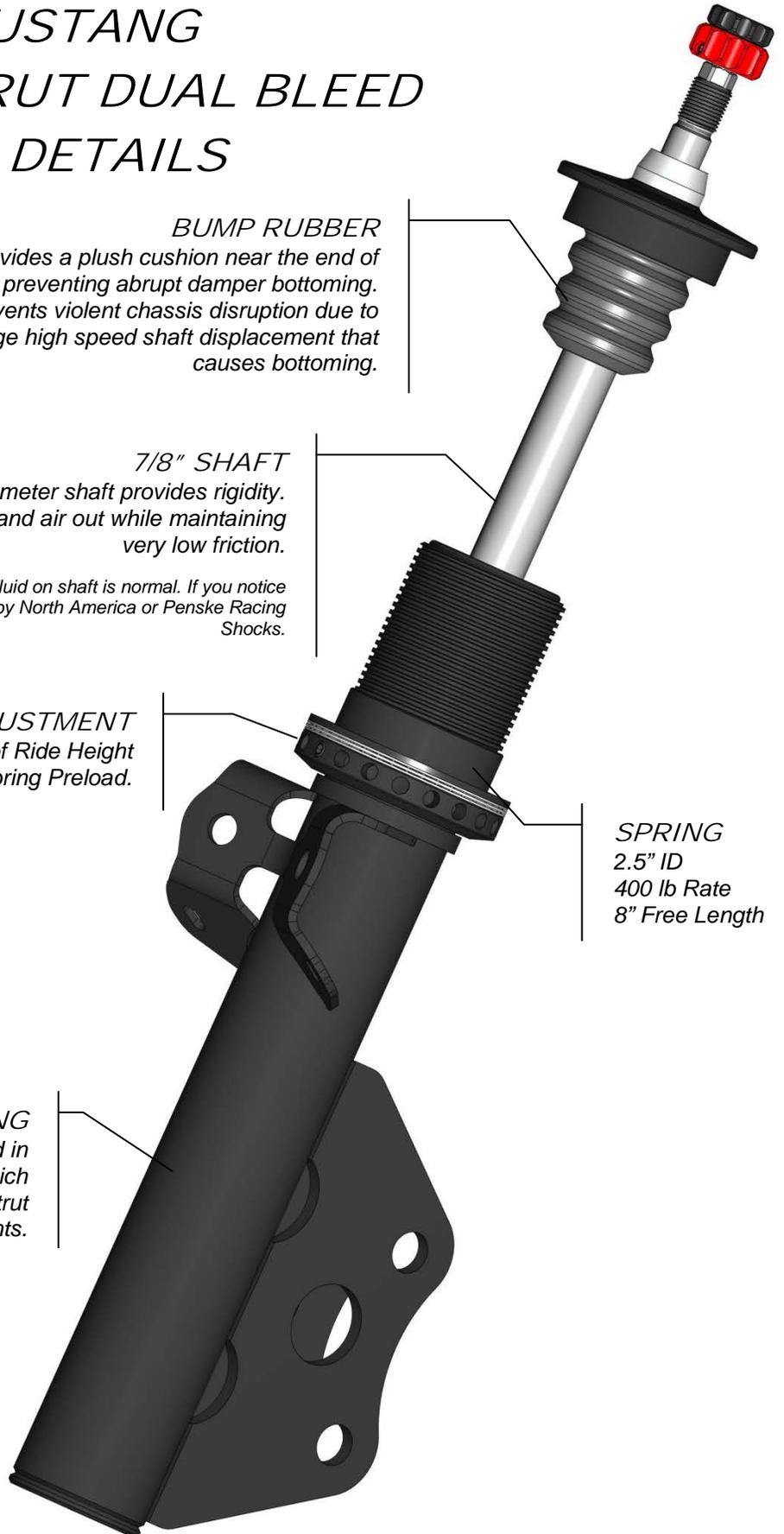
7/8" SHAFT
Large diameter shaft provides rigidity. Shaft seals/wiper keeps dirt and air out while maintaining very low friction.

NOTE: A small amount of residual fluid on shaft is normal. If you notice a puddle of oil, contact Shelby North America or Penske Racing Shocks.

RIDE HEIGHT ADJUSTMENT
Each full clockwise revolution of Ride Height Adjuster adds 1/8" (.125") of Spring Preload.

SPRING
2.5" ID
400 lb Rate
8" Free Length

CORTEX RACING OUTER HOUSING
Penske Racing Shocks Strut insert is fitted in an outer housing made by Cortex Racing which retrofits our strut cartridge to existing strut mounting points.





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DUAL BLEED KNOBS

Clicks of adjustment are measured from the full hard needle position (turn knob clockwise until it stops). This ensures repeatability each time the damping is adjusted a certain number of "clicks". Clicks are counted negative from this full hard position.

ADJUSTING EFFECTS:

CLOCKWISE → STIFFER

COUNTER-CLOCKWISE → SOFTER

REBOUND → TIRE EXTENSION

COMPRESSION → TIRE BUMP



REBOUND

Will turn together with black knob

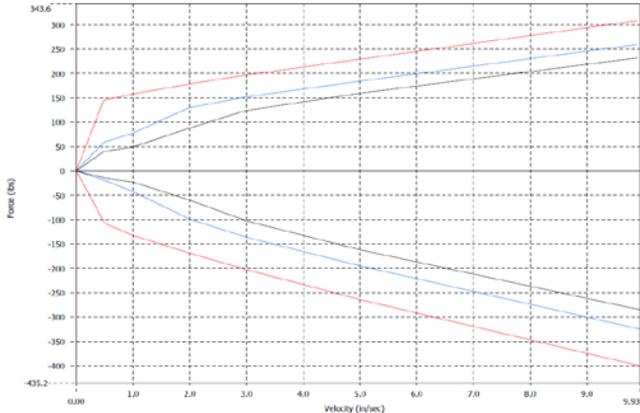


COMPRESSION

Will turn independent of red knob

DUAL BLEED ADJUSTMENT

Driver sensitivity is the main focus for this adjuster. More bleed means more oil is bypassing the piston and therefore there is less damping resisting chassis movement. Less bleed means less oil can bypass the piston and is forced to go through the stiffer shim assemblies. Some affects of less bleed that may be felt include: less chassis roll/pitch, and more responsive steering input.



SAMPLE LOW/MID/HI RANGE
BLEED ADJUSTMENT INFLUENCE ON DAMPER CURVE

FLOATING PISTON

Oil and Nitrogen Gas Separator Piston features a Piston Band and Quad Ring for stability and low friction sealing.

GAS MEMBRANE INFLATION SEAL

Lightweight, durable option for pressuring Gas Reservoir.



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PENSKE

RACING SHOCKS