



# FALCON SHOCKS

## JEEP TIRE PRESSURE GUIDE

Many variables must be taken into consideration during shock development and tuning including tire pressure, size and load rating as well as vehicle weight and use. We chose the popular 35" tire for baseline tuning. Other common tire sizes were evaluated to verify shock tuning for other uses.

Initial tuning began with tire pressure set to 25 psi, which was found to be a good balance between off-road traction and comfort and high-speed stability and handling. Once a baseline was set, Falcon engineers tuned the shocks for hardcore off-roading (less tire pressure) as well as highway driving (more tire pressure). This enabled us to tune our Falcon shock absorbers for the various terrain Jeepers encounter.

**WHY  
25?**



**20 PSI**

### ROCK CRAWLING/MUD/SNOW

For maximum traction and ride comfort over rough terrain.  
Can be unsafe at higher speeds.



**25 PSI**

### GENERAL OFF-ROADING

For for off-road trails and overlanding.  
Baseline tire pressure for consistent shock tuning.



**35 PSI**

### PAVEMENT

For high-speed highway handling and stability.  
Always refer to your owner's manual for on highway use.

By using a midrange tire pressure as our baseline, we were able to tune our shocks for a broader range of uses from hardcore off-roading to on highway comfort and control.

Vehicle weight, cargo load, driving style, and manufacturer's recommendations as well as tire size, load rating and contact patch, are a few factors that must be considered when adjusting tire pressure.