TRIANGLE SPRING®

Technical Bulletin

TSTB Number 3

Converting from Steel to Composite Leaf Springs

If the trailer / suspension was originally equipped with composite springs and replacement is necessary, simply replace with another composite spring. However, if the vehicle is equipped with steel springs and conversion to composite springs is desired to achieve weight savings, utilize the following recommendations.

Converting Reyco 21B Steel Spring Suspensions to Composite Springs Using the TRA076 Spring:

1. Composite springs can only be used in an over slung single or tandem application.
2. Mounting heights are limited to a maximum of 17" for standard configurations, 16" for no-hop configurations.
3. Do not use fabricated top plate. Only the Flagg part number R117 cast top plate can be used.
4. U-Bolt torque value is reduced to 250 ft.lbs. and must be achieved through a 50 ft.lbs. alternating process.
5. Composite springs CANNOT be used in conjunction with a heavy duty hanger option.

Converting Transpro 86 and 88 Steel Spring Suspensions to Composite Springs Using the TRA076 Spring:

1. Composite springs can only be used in an over slung single or tandem application.
2. Mounting heights are limited to a maximum of 17" for standard configurations, 16" for no-hop configurations.
3. DO NOT use fabricated top plate. Only the Flagg part number R117 cast top plate can be used.
4. A reinforced fabricated axle seat must be used. DO NOT use standard axle seats as spring failure will result.
5. U-Bolt torque value is reduced to 250 ft.lbs. and must be achieved through a 50 ft.lbs. alternating process.