

# A Proud Tradition of SUPERIOR Innovation!

Here Are The Latest Reasons Why More & More Builders Are "Making The Shift To..."™ SUPERIOR

## The NEW STLO08 5R110W Internal Upgrade Package

- Super-sized Direct Drum Bushing (patent pending) state-of-the-art design
- Metering orifice prevents unrestrained lube dump to balance piston & provides back-pressure which, when combined with optimized axial lube channels, creates a lube pump to deliver ATF to stator sleeve so bushing can hydroplane on the sleeve
- A new hi-tech CT-101 Dry Film Lubricant coating provides reduced frictional coefficient and increased lubricity for improved break-in, extended life, and durability
- The tight installed fit and close bushing to sleeve clearance virtually eliminates drum rock and prevents bushing spin-out
- Oversized bronze filled carbon graphite lap-joint direct drum sealing rings .015" wider and more flexible than OE PEEK rings, conforms to groove irregularities
- End play shim for reduced clearance provides axial support to reduce "rocking" that causes forward drum bushing elongation and front to rear movement that unseats direct drum sealing rings
- Solid Teflon® forward clutch sealing rings
- SuperTuff® L/R and front planet ring gear snap rings are included to make this a complete one-stop-shop, providing everything needed to upgrade internal rebuild



Part # STLO08  
5R110W Internal Upgrade Package

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Innovative Technology for the 21st Century

5R110W Internal Upgrade Package

- Super-sized Direct Drum Bushing with metering orifice, optimized lube channels, and CT-101 Dry Film Lubricant coating that provides reduced frictional coefficient and increased lubricity for extended life and durability.
- Oversized Bronze filled carbon graphite lap joint direct clutch sealing rings
- End Play support shim
- Solid teflon forward clutch sealing rings
- SuperTuff front ring gear snap ring
- SuperTuff low reverse snap ring

The direct clutch sealing ring sleeve on the center support is a seriously deficient part. It is no surprise therefore that direct clutch failure is common. Intelligent rebuilders understand a sealing ring can not work if the drum has float and wobble, especially when there is too much side-wall clearance. This upgrade provides exactly what the 5R110 needs in the way of axial alignment and support in order to deliver reasonable life expectancy from the direct clutch. The Super-sized bushing combines advanced technology and design ingenuity to restore functional reliability to a broken system. The balance piston metering orifice creates a lube pump to insure maximum bushing life.

## The NEW STL-5R110W

### Patented Sure-Cool® Flow Control System (US 9,249,875 B1) Replaces OEM Thermal Bypass and Provides:

- Full time cooler flow with much lower average fluid temperature
- Built in high pressure safety bypass into the lube circuit
- Immediate/accurate ATF level w/o warm-up

### Advanced Design PR Valve (Patent Pending) Provides:

- Stabilized regulation eliminates 20-40 PSI needle bounce on gauge
- Fine-tuned regulation shortened valve cycling for reduced bore wear
- Drop-in design utilizes unworn part of bore
- Modified TC displacement 2x TC & cooler even at hi PSI demand
- Recalibrated TC limit & TCC Ctrl for improved L/U, and increased tow-haul capacity

### Universal EPC Relief:

- Works with ANY size PR and prevents runaway line and case breakage
- Combats uncontrolled boost from pump cross-leaks

Part # STL-5R110W  
Pump & VB Upgrade

Fixes runaway line pressure and parts breakage  
Significantly Improved Converter Charge,  
Cooler Flow, and Lockup Operation  
Drop-in PR valve for worn bore  
Sure-Cool® Upgrade:  
• Full Time cooler flow  
• High pressure safety blow-off into lube circuit  
• Immediate Fill level without warmup

PATENT PENDING  
2X TC & COOLER  
STABILIZED REGULATION



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THE HIGHEST QUALITY AFTERMARKET  
PARTS AVAILABLE - EASY TO INSTALL  
SUPERIOR  
THE SIMPLE SOLUTION

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TRANSMISSION PARTS, INC.  
THE SIMPLE SOLUTION

## The NEW STLO09 Sure-Cool® 6R60/6R75/6R80 Cooler Flow Control System

The Sure-Cool® design provides:

- Full time cooler flow with much lower average fluid temperature
- Built in high pressure safety bypass into the lube circuit
- Immediate and accurate fluid level check without warm-up cycle
- Fits all 6R60 Explorer/6R75 Expedition/Navigator/6R80 Mustang/F150
- Replaces OEM thermal bypass valve Part # 6L2Z-7H322AA

Part # STLO09  
6R80

Patented  
US 9,249,875 B1

Sure-Cool® Upgrade:  
• Full time cooler flow  
• Hi pressure dump to lube  
• Immediate fluid level  
check without warmup



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Join the thousands of transmission technicians who have already made the shift to Superior Transmission Parts. From coast to coast, builders are discovering what a difference the Superior Alternative can make – with better performance and fewer comebacks.

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