COMPLAINT

SECONDARY COMPLAINTS

Flare on 1-2, 2-3, 4-5 upshift or loss of gear

• Loss of OD and intermediate servo control • Slippage codes PO 732, 733, 735, band lining failure

CAUSE

Severe wear of the case at the servo apply pin bore due to continuous pin oscillation can result in burned clutches, shift complaints, and destroyed cases.

CORRECTION

The Sonnax sleeve is made from highly wear-resistant aluminum, and allows the case to be refurbished to provide proper clearance with the servo apply pins.

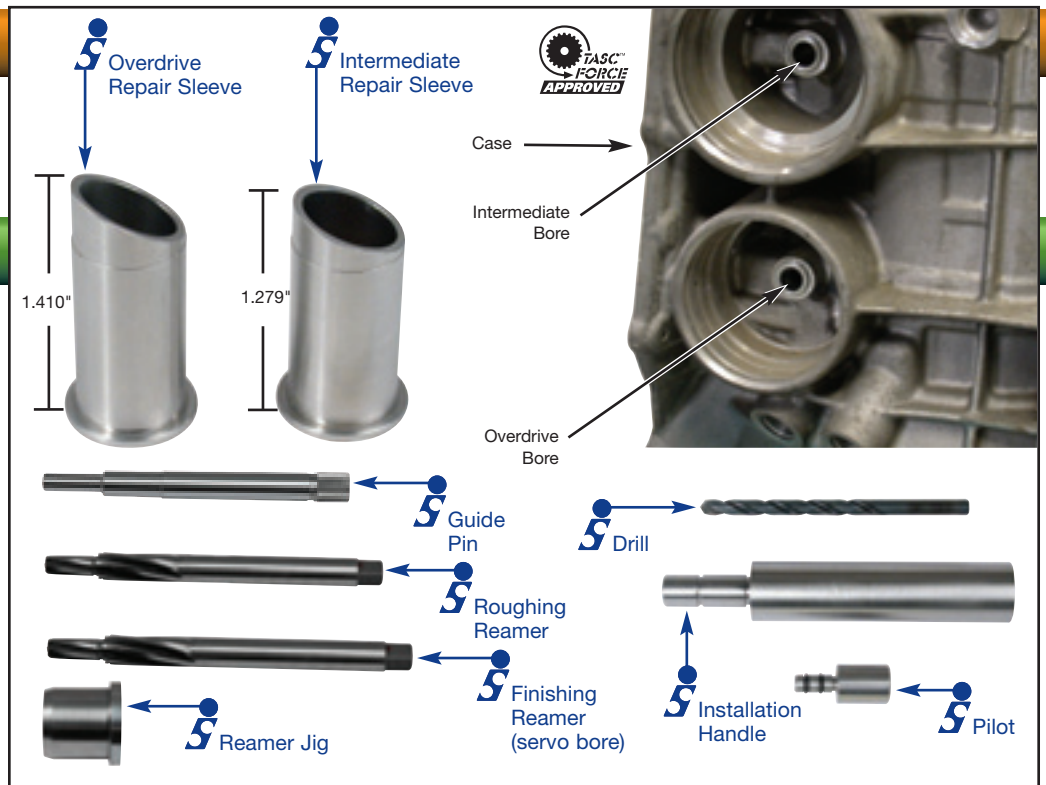## Overdrive & Intermediate Servo Pin Bore Sleeve Kit

56361J-01K

1 Overdrive Repair Sleeve
1 Intermediate Repair Sleeve

TOOL REQUIRED

S-56361J-TL

1 Drill
1 Roughing Reamer
1 Finishing Reamer
1 Guide Pin
1 Reamer Jig
1 Installation Handle
1 Pilot
2 O-Rings
1 Flex Hone (not shown)

SERVO FIXTURE REQUIRED

Overdrive Repair Sleeve — 1.410"
Intermediate Repair Sleeve — 1.279"

TASC FORCE APPROVED

Case
Intermediate Bore
Overdrive Bore

Guide Pin
Drill
Roughing Reamer
Finishing Reamer (servo bore)
Reamer Jig
Installation Handle
Pilot

Sonnax Part Summary

Servo apply oil is fed through the center of the case bridge and into the servo pin, reacting on the cover side of the piston. As the case pin bore wears, this apply oil will leak into the barrel area of the case. This negatively affects shift timing and servo/band apply pressure. Servo release pressure is fed through the case and into the spring side of the piston. As pin bore wear increases, release oil will cross leak into the apply circuits, exhausting at the shift valves. In reverse, both servos are charged from the release side, so pin bore wear results in delayed reverse. The 5R55N/W/S are prone to foaming the fluid in the sump from excess exhaust and valve body wear. This results in fluid out the vent and improper fill indications.

Features & Benefits

- Highly wear-resistant aluminum sleeve extends case life.
- Sleeves repair 5R55N/W/S overdrive and intermediate servo locations.
- One tool kit fits 5R55N/W/S overdrive and intermediate servo locations.
- Tool kit pilot and reamer align from the pin bore centerline, not the servo piston bore.
- Allows expensive case salvage.

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