



PRECISION **INTERNATIONAL**



TRANSMISSIONKITS.COM

*An Automotive Leader
in Automatic
Transmission Repair*

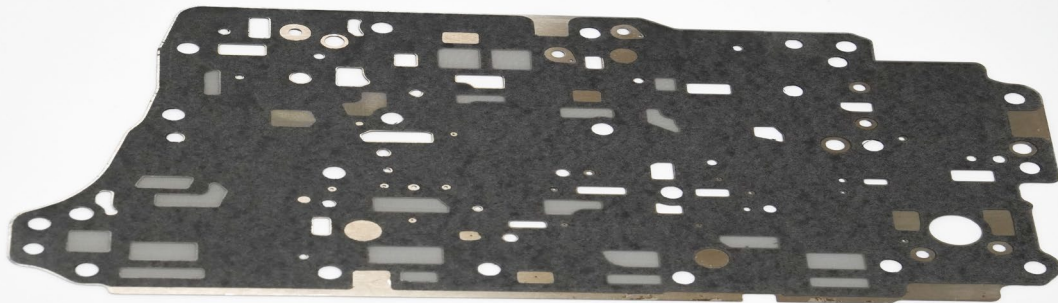
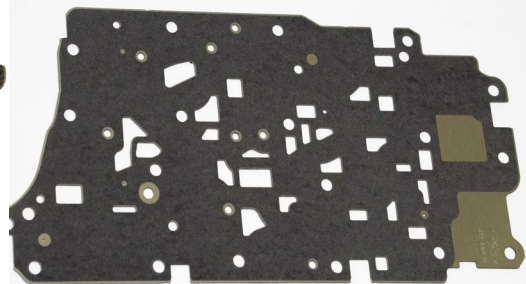
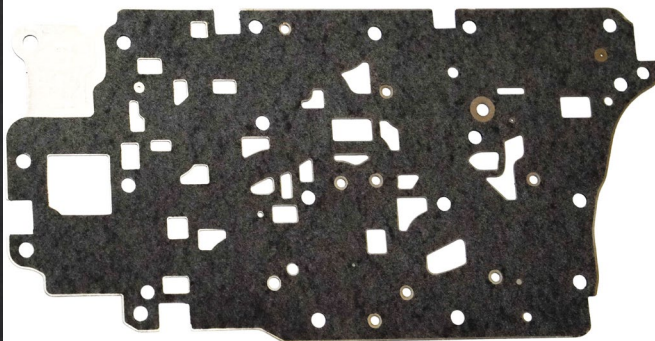
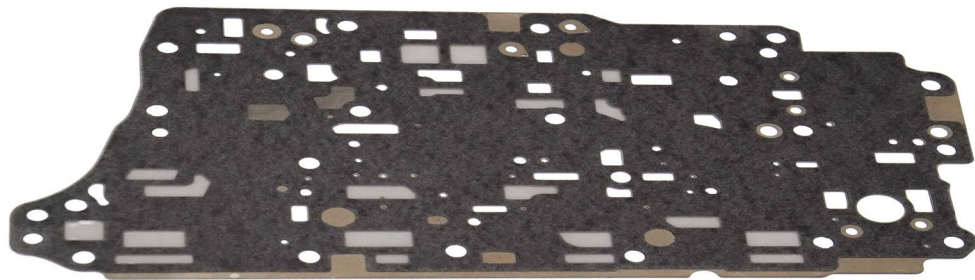


KEY UPDATES

8F35 KITS INCLUDING BONDED VALVE BODY PLATES

Due to the presence of embedded screens in the Main Lower Valve Body Separator plates in 8F35 units, we have now discontinued the loose gaskets (and the kits *containing* them) and replaced them with the bonded plates, included in our new kits as per the revised Problem Solver.

PI Kit Number: KP59900HH



6L80/90 1-2-3-4/3.5 REVERSE DRING SUPERSESSION

NEW PI PART #: 33131A

We have replaced the following Drings as per a GM running change:

33509 (1-2-3-4 lower Dring) was 5.060" ID

33131 (1-2-3-4/3-5 Reverse Dring) was 5.120" ID

Since they were so close in diameter and both included in the same sub package, we added a white dot on the 33131 to help the builder distinguish the location for each. Then we explained this on the bag. Recently, we set up new P/N 33131A, which is 5.000" ID. It has no white dot and has replaced both 33509 and 33131 as per GM supersession. The note on the sub kit bag has been removed as well. In conclusion, there will be 2 pcs. 33131A in the kit, no dots and notations on the bags.



10R80 INPUT SHAFT, DIRECT/OD SEALING RING DESIGN CHANGES:

Subtle spec changes to the 10R80 Input Shaft and Overdrive/Direct Sun Gear rings significantly improve shift quality. While General Motors maintains these original rings in their 10L80/10L90 applications, Ford made the following changes to these solid rings:

1-Input Shaft-small (5 pcs.)

Was PI# 33613 Ford# HL3Z-7G091-D 1.422" OD X .083" TH X .076" RW

Now PI# 37613 Ford# HL3Z-7G091-F 1.410" OD X .082" TH X .075" RW



While the most significant change is the decrease in outer diameters, the slight change in the radial wall has an effect as well.

10R80 INPUT SHAFT, DIRECT/OD SEALING RING DESIGN CHANGES:

2-Input Shaft -Large (5 pcs.)

Was PI# 33614 Ford# HL3Z-7G091E 1.645" OD X .083" TH X .085" RW

Now PI# 37614 Ford# HL3Z-7G091-G 1.630" OD X .082" TH X .083" RW

PI Part #: 37614

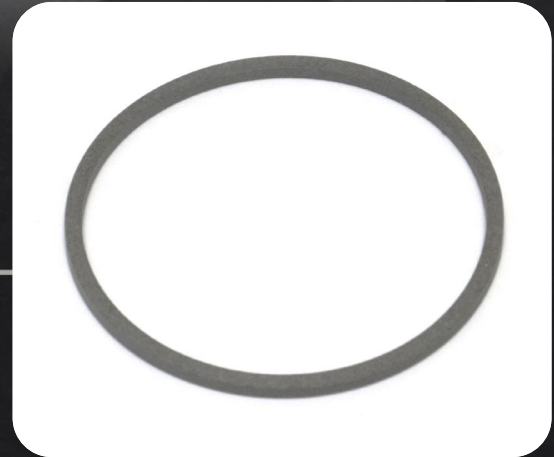


3-Direct/OD Sun Gear (4 pcs)

Was PI# 33615 Ford# HL3Z-7G091-B 2.125" OD X .083" TH X .085" RW

Now PI# 37615 Ford# HL3Z-7G091-C 2.106" OD X .083" TH X .083" RW

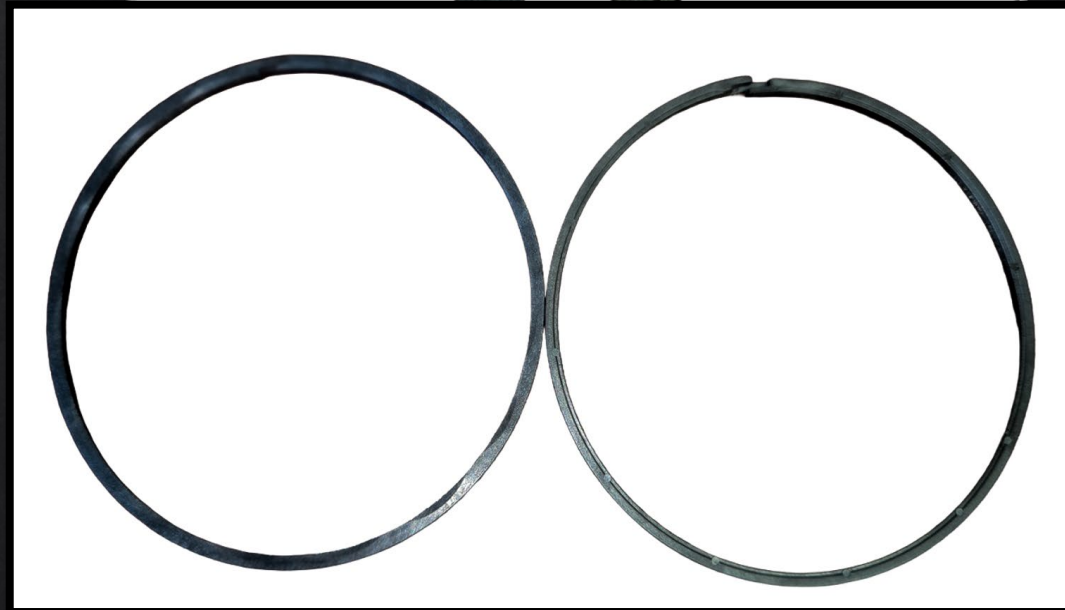
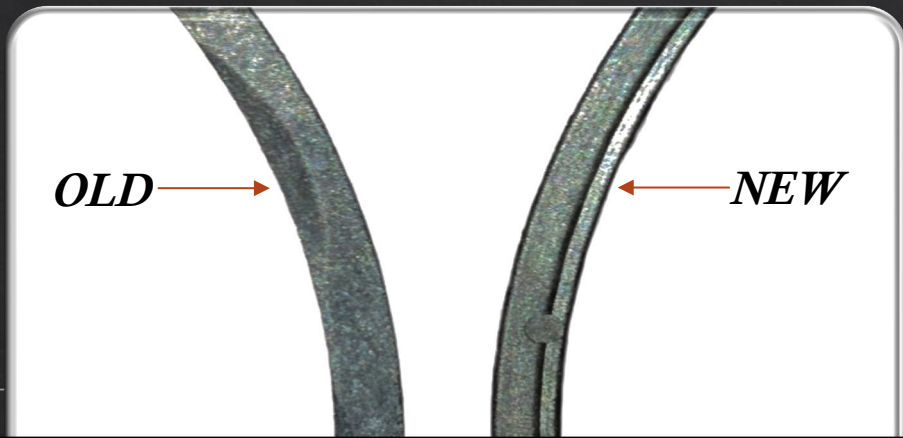
PI Part #: 37615



While the most significant change is the decrease in outer diameters, the slight change in the radial wall has an effect as well.

RE5R05A, RE7R01A/B CENTER SUPPORT/REVERSE BRAKE DRUM SEALING RINGS UPDATE

The “scalloped” version (62907, Nissan # 31525-90X07, Subaru 31377-AA230) was replaced by the “flat-edged” or “ridge” version (62587, Nissan # 31525-1XJ0B) in May 2024 here at Precision. This was triggered by the OEM supersession of the 31525-90X07 to 31525-1XJ0B by Nissan. The “flat-edged” style retrofits the “scalloped” one. This applies to all RE5, RE7 & Subaru 5-speed (all from the same Jatco platform).



What's New at Precision?

Notable product releases at Precision International!
Problem solvers for these kits and all other new releases can be downloaded on our website.

K82900EE - 8HP51

8HP51 KITS AVAILABLE NOW

Coverage:

Part Number: K82900

2019-24 BMW 330i/x 2.0L
2019-22 BMW X7 3.0L
2019-24 BMW Z4 2.0L, 3.0L
2020-23 BMW 530i/x 2.0L
2020-23 BMW 540i/x 3.0L
2020-22 BMW 740i/x 3.0L
2020-24 BMW 840i/x 3.0L
2020-24 BMW M340i/x 3.0L
2020-24 BMW X3i/x 2.0L
2020-24 BMW X4 2.0L, 3.0L
2020-23 BMW X5i/x 3.0L
2020-23 BMW X6i/x 3.0L
2021-24 BMW M440i/x 3.0L
2022-24 BMW 230i/x 2.0L
2022-24 BMW 430i/x 2.0L
2022-24 BMW M240i/x 3.0L
2024-25 JAGUAR F-PACE 2.0L
2024 JAGUAR XF 2.0L
2023-25 LAND ROVER DEFENDER 2.0L
2023-25 LAND ROVER DISCOVERY 2.0L
2024-25 LAND ROVER VELAR 2.0L

- ▶ Overhaul Kits
- ▶ Banner Kits
- ▶ Master Kits
- ▶ Piston Kits

KP37900R - 10R60

10R60

Introducing our new 10R60 Kit Product Line, built to deliver everything you need for a complete, efficient rebuild in one package. Ask for PI part number KP37900R(X) and all related banner and master kits.

COVERAGE INCLUDES THE FOLLOWING:

- 2020-25 Ford Explorer (2.3L, 3.0L, 3.3L)
- 2021-24 Ford Bronco (2.3L, 2.7)
- 2024 Ford Ranger (2.3L, 2.7L, 3.0L)
- 2020-25 Ford Police Interceptor (3.0L)
- 2020-25 Lincoln Aviator (3.0L)



KP37900Q - 10R80 Hybrid



NOW AVAILABLE

HYBRID

10R80 HYBRID

Precision is proud to announce the release of our newest kit, KP37900Q! This kit covers the Ford 10R80 Hybrid unit which includes the following models and year coverage:

- Ford Explorer 3.3L 2020-2023
- Ford Police Interceptor 3.3L 2020-2025
- Ford F-150 3.5L 2021-2025
- Lincoln Aviator 3.0L 2020-2024

MORE INFORMATION

- Email: Sales@transmissionkits.com
- Phone: 800.872.6649
- Web: www.transmissionkits.com

K82900JJ - 8HP76

NOW AVAILABLE
ZF8HP76

COVERAGE

- 2019-25 BMW M850i/Gran Coupe 4.4L
- 2019-22 BMW X8 4.4L
- 2020-22 BMW 750i/x 4.4L
- 2020-22 BMW Alpina B7
- 2020-23 BMW M550i/x 4.4L
- 2020-25 BMW M6i/Gran Coupe 4.4L
- 2020-24 BMW X3M 3.0L
- 2020-25 BMW X4M 3.0L
- 2020-23 BMW X5 & X5M 4.4L
- 2020-23 BMW X6 & X6M 4.4L
- 2021-23 BMW Alpina XB7 4.4L
- 2021-25 BMW M3 3.0L
- 2021-25 BMW M4 3.0L
- 2022-25 BMW Alpina B8/Gran Coupe 4.4L
- 2022-23 BMW M5 4.4L
- 2023-25 M2 3.0L
- 2021-25 Jaguar F-Pace 3.0L
- 2019-24 Range Rover Sport 3.0L (Hybrid)
- 2020-25 Land Rover Defender 3.0L (Hybrid)
- 2020-24 Range Rover 3.0L (Hybrid)
- 2021-25 Land Rover Discovery 3.0L (Hybrid)
- 2021-25 Range Rover Velar 3.0L (Hybrid)
- 2022-23 Range Rover 4.4L
- 2023 Range Rover Sport 4.4L
- 2024 Land Rover Defender 5.0L



Precision Part Number: K82900JJ

SEE OUR PROBLEM SOLVER

PRECISION



Powertrain
expo 2026

PRESENTS

John Parmenter

**Tips & Tricks from
the builder's bench.**

August 29th 3:00-4:30 p.m.

**WE GO THE
EXTRA MILE.**

**PRECISION
INTERNATIONAL**

VISIT US NOW
WWW.TRANSMISSIONKITS.COM

**PRECISION
INTERNATIONAL**

MEET JOHN

I have worked in the transmission industry since 1974 and have built a strong reputation throughout Long Island, New York. For over 35 years, I have owned and operated my own shop alongside an exceptional team, developing valuable relationships that have played a key role in my success as a Master Rebuilder and ASE-Certified Master Technician. In addition, I serve as a Technical Advisor for Precision International, where I collaborate with the Engineering team to address field-related inquiries and provide a builder's perspective to support product development. As our industry continues to evolve, the importance of open communication and shared learning remains essential. I'm honored to be here today among fellow professionals who share the same passion for excellence and continuous improvement. Together, we will continue to advance, learning from our experiences, supporting one another, and upholding the high standards that define our profession.



9T65







ACDelco®

DEXRON®

DEXRON® HP

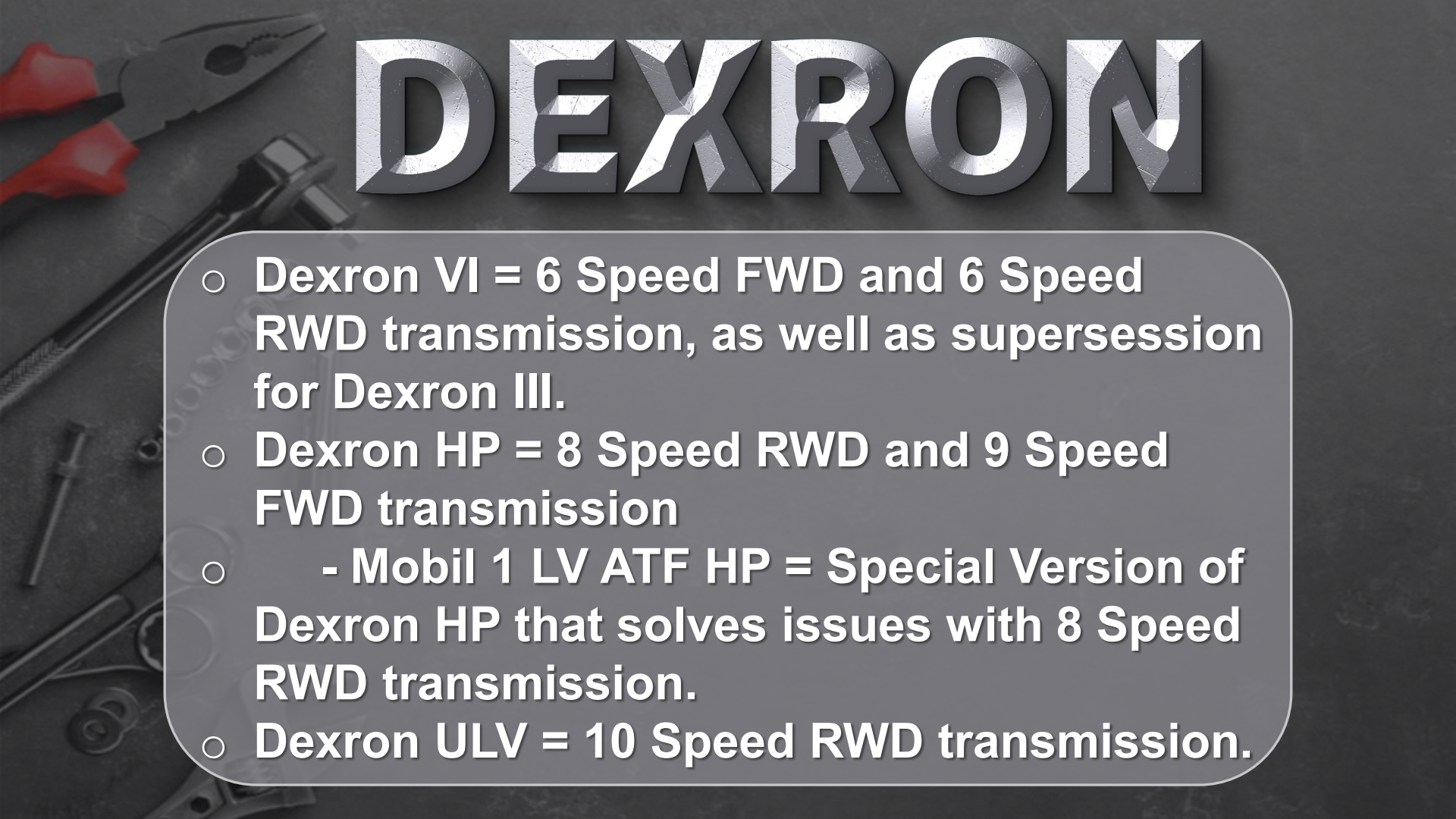
Automatic Transmission Fluid

NET CONTENTS
1 qt. / 32 fl.oz. (946mL)

10-4101

19331925

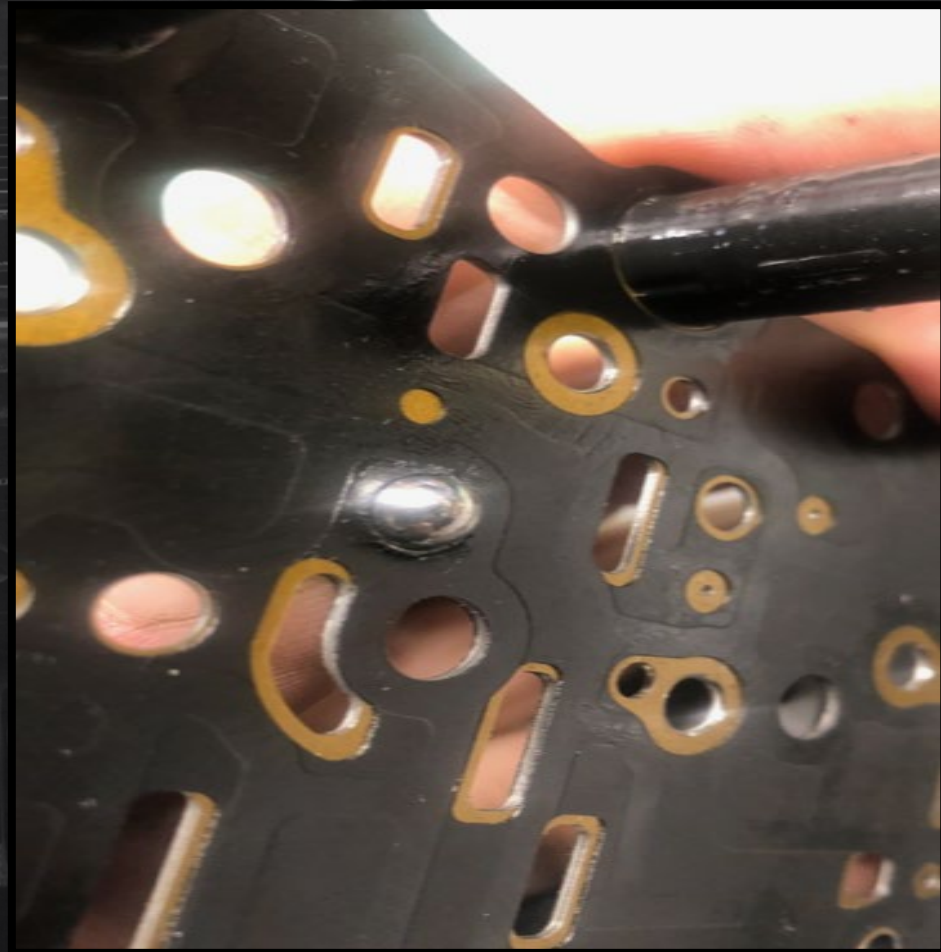




DEXRON

- Dexron VI = 6 Speed FWD and 6 Speed RWD transmission, as well as supersession for Dexron III.
- Dexron HP = 8 Speed RWD and 9 Speed FWD transmission
 - - Mobil 1 LV ATF HP = Special Version of Dexron HP that solves issues with 8 Speed RWD transmission.
- Dexron ULV = 10 Speed RWD transmission.

**GM Updated
Separator
Plate #
24288511**





GM# **24065469**

ACD# **24065469**

QTY. **1**

05287 24193

LC 37

GR 4.265

CG VD9V



Detroit, MI 48265
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BFQ0113575 XSC 08037000

K52900AA-2
2017-23
GENERAL MOTORS
9T65

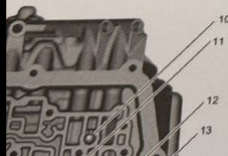
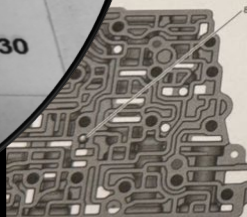
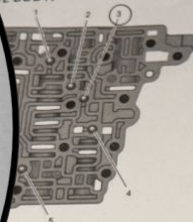
(V/B REPAIR KIT)

25330

9T65 (M3V)

2017-23 & CHEVROLET BLAZER 2019-23

STEEL CHECKBALL (3) BLOWING THROUGH THE SEPARATOR PLATE
HAVE THIS ISSUE THE PLATE WILL BE DAMAGED SO WE HAVE
NEW TORLON CHECKBALLS TO REPLACE ALL THE STEEL ONES IN
THE BODY.



K52900AA-2
2017-23
GENERAL MOTORS
9T65

(V/B REPAIR KIT)

25330

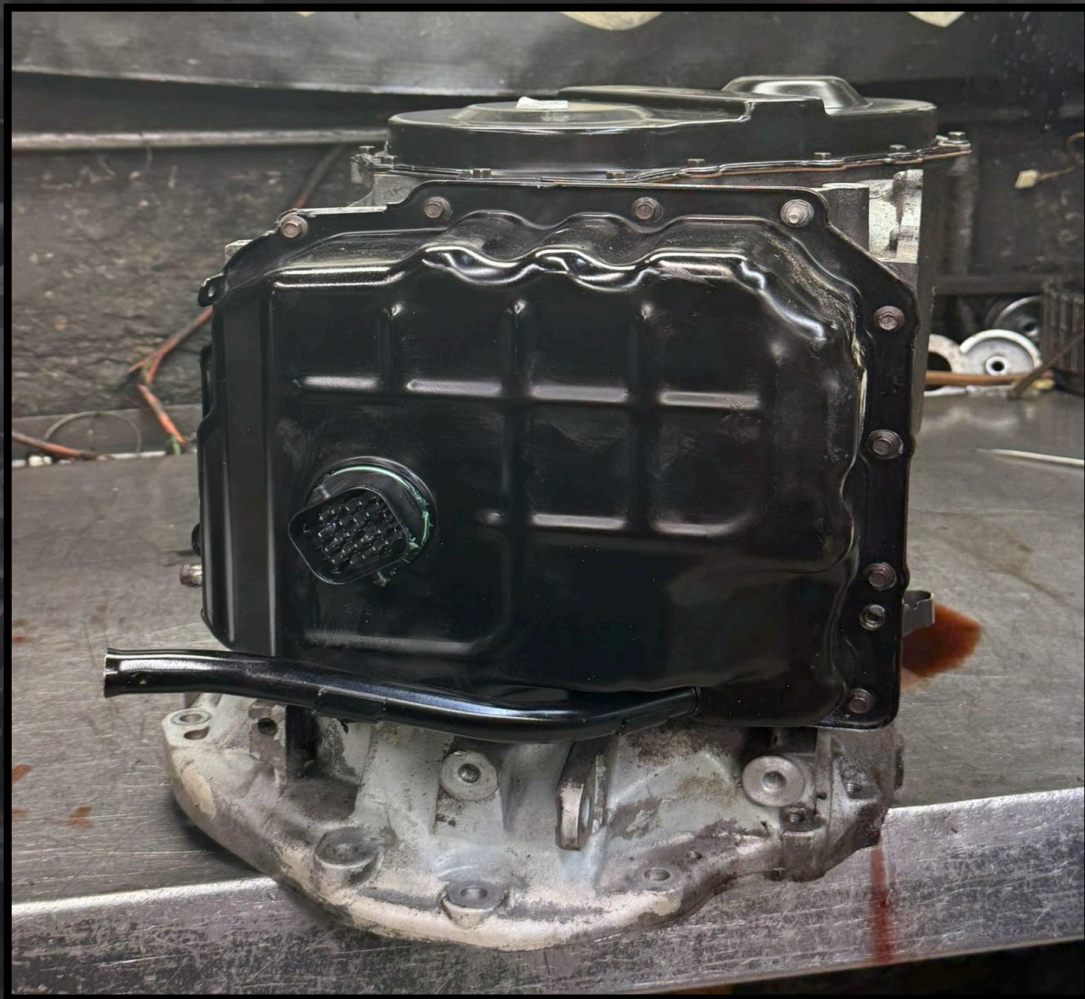


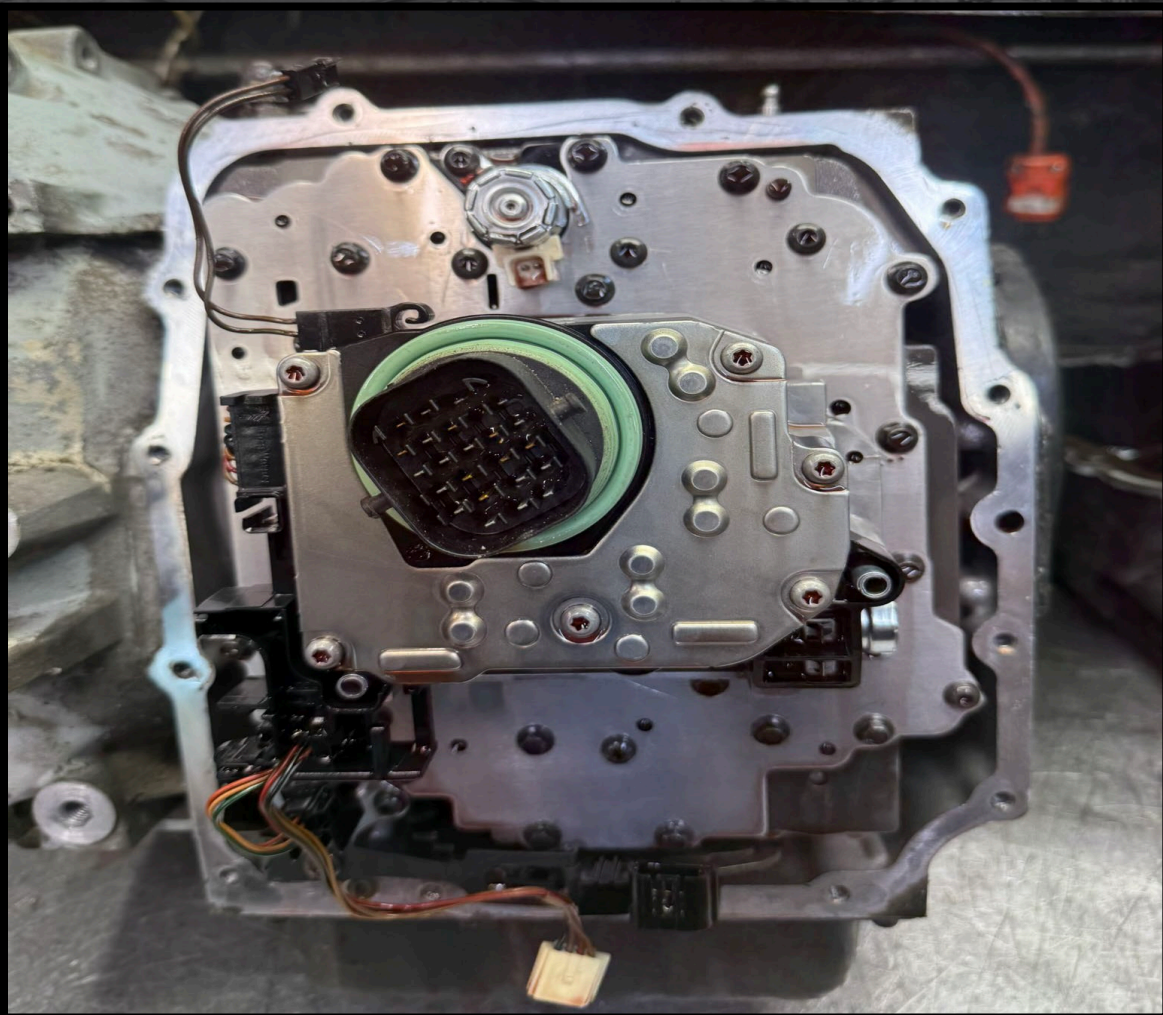


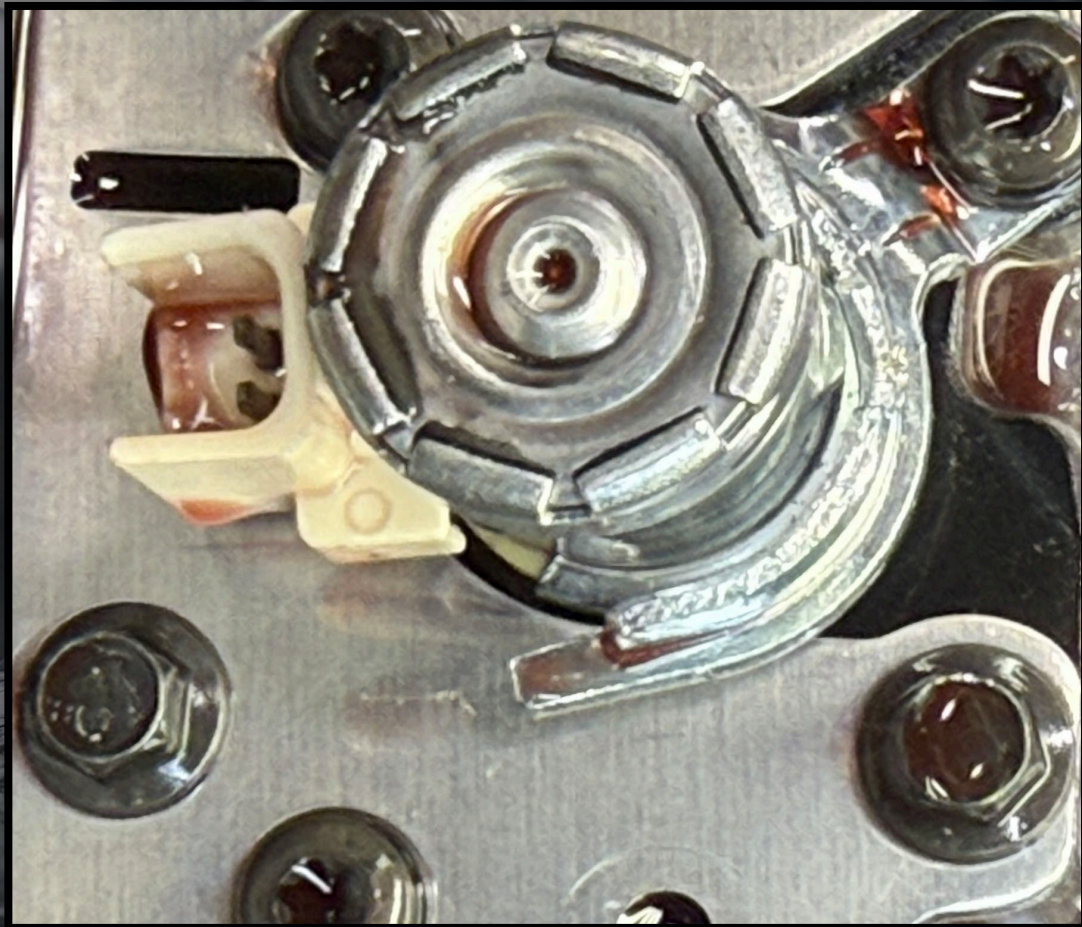


62TE







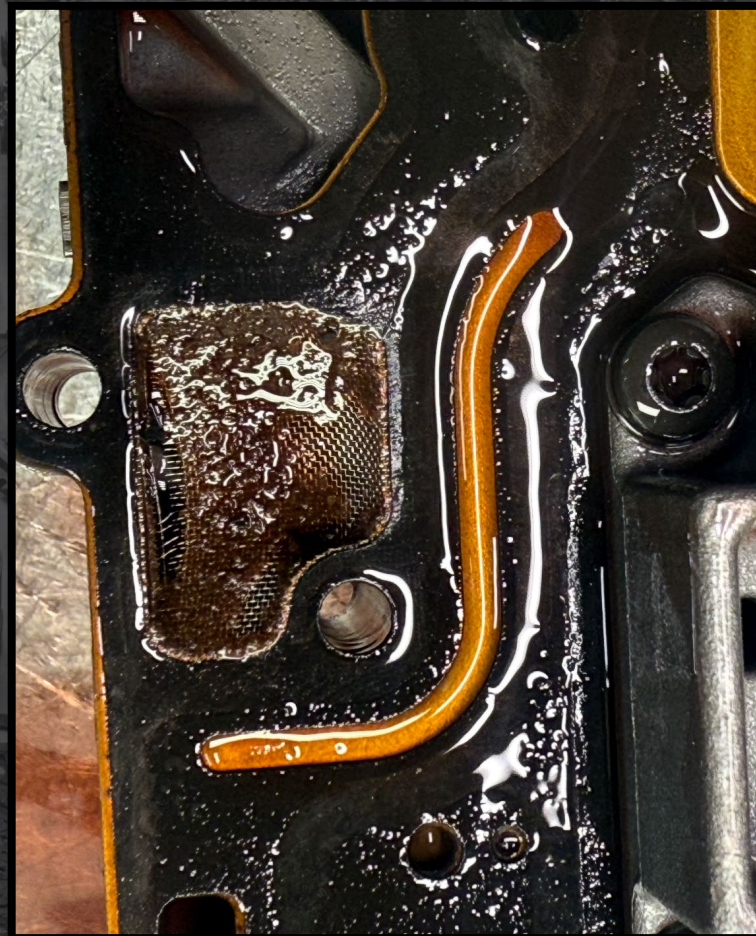
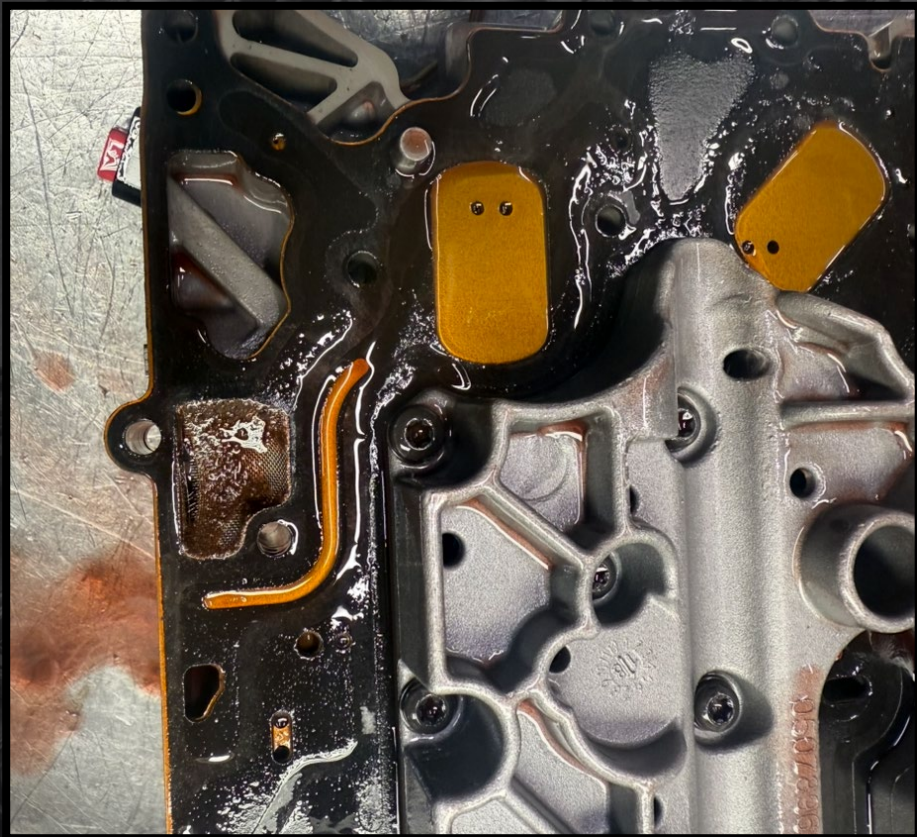














2020 Ford Escape (AWD) 1.5L L3 ECO-BOOST GTDI



Select System:

Code Scan

Clear All Codes Read by Code Scan

Service Resets and Relearns

Resets and Relearns

▶  Engine - Codes: 0

▶  Transmission - Codes: 0

▶  Airbag - Codes: 0

▶  Antilock Brakes - Codes: 1

U011D-00

Lost Communication With All Wheel Drive Control Module - Current

▶  Accessory Protocol Interface Module - SYNC - Codes: 0

▶  Audio Control Module - Codes: 1



FORD PARTS

2462928

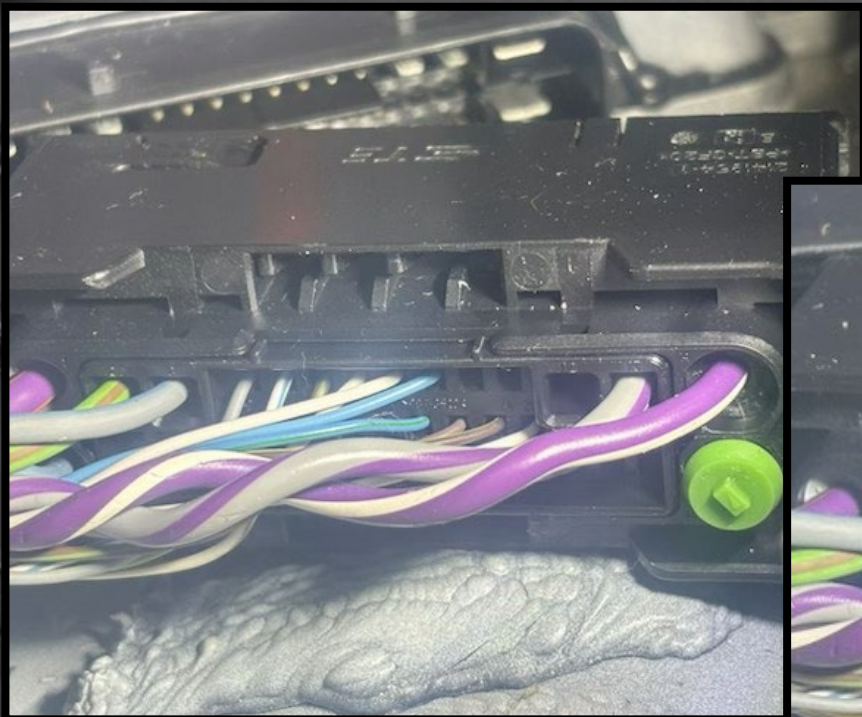
LX6Z-7P238-AANP 1X

MODULE / MODULO / MODULE / MODULO

MAJORITY CONTENT MADE IN USA / MAJORIA DEL CONTENIDO
FABRICADO EN EE. UU. / MAJORITE DU CONTENU FABRIQUÉ AUX E.-U. /
MAIORIA DO CONTEUDO FEITO NOS EUA

[illegible]







8L90E

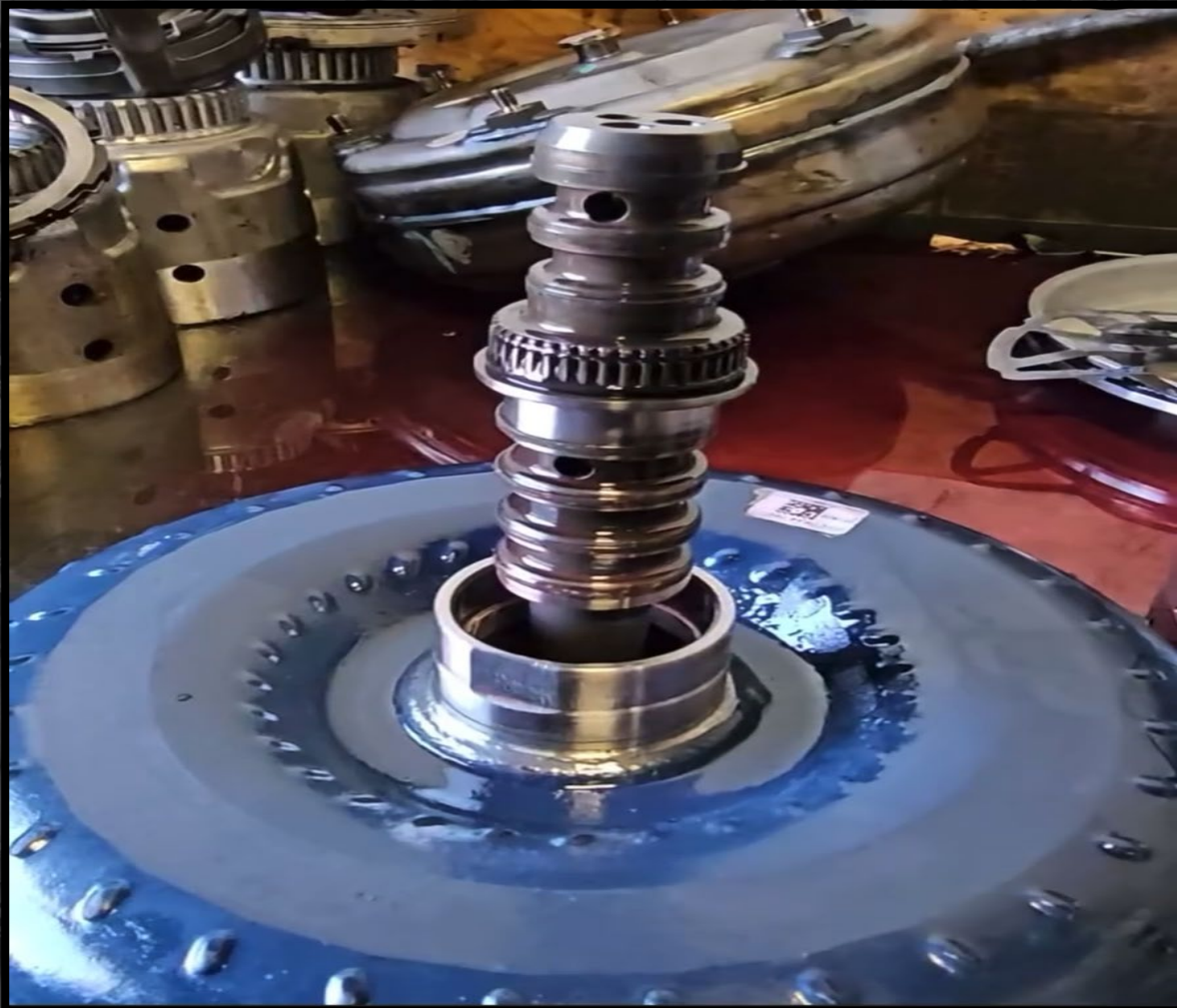


36-Spline = Approx. 1.081" O.D.



41-Spline = Approx. 1.235" O.D.

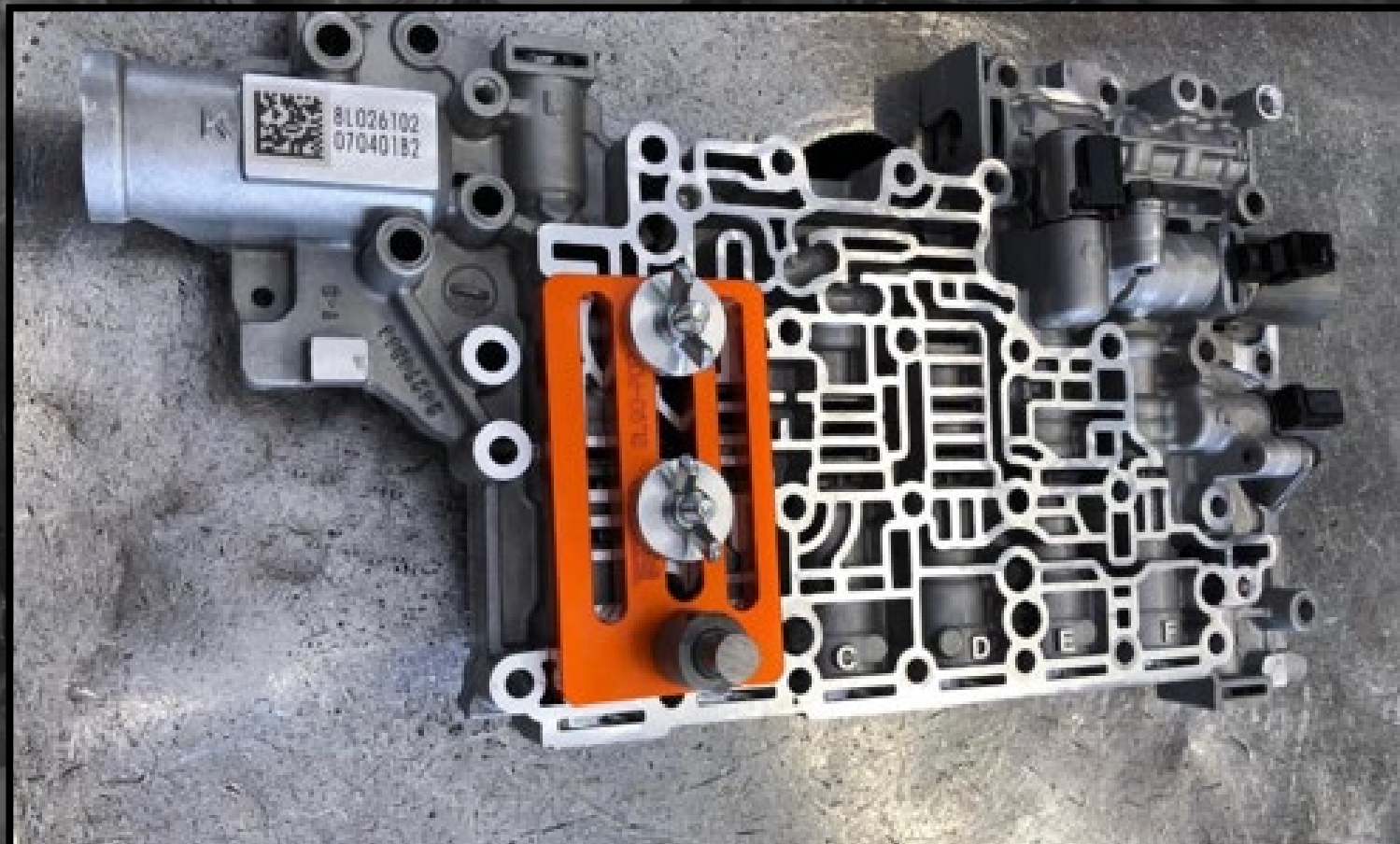




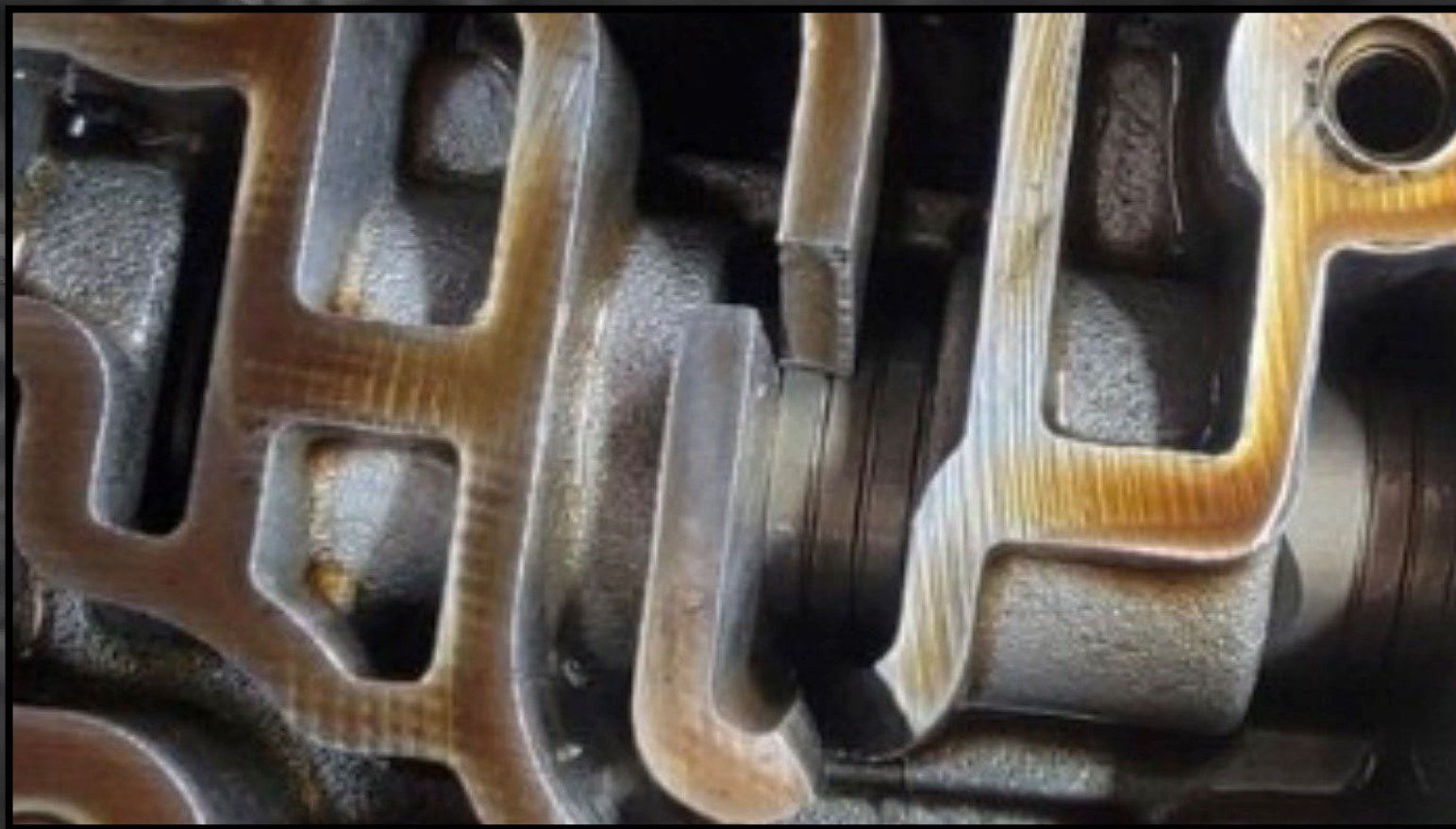










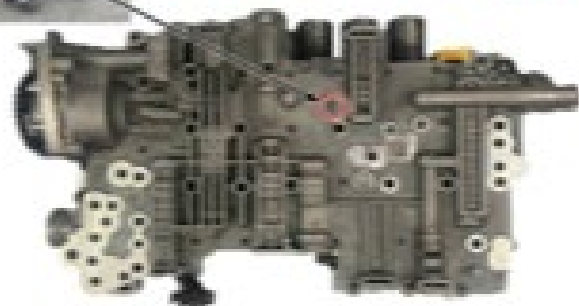


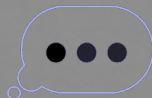
NEW OE VALVE BODY NO MOVE, NO PRES

New OE valve bodies have what some GM techs call a test port. It is a plug bolted in a hole of new OE valve body that is different than the original VB. Occasionally a technician will think this plug should be removed. However, when the plug is removed it leaves a huge leak dumping line pressure.

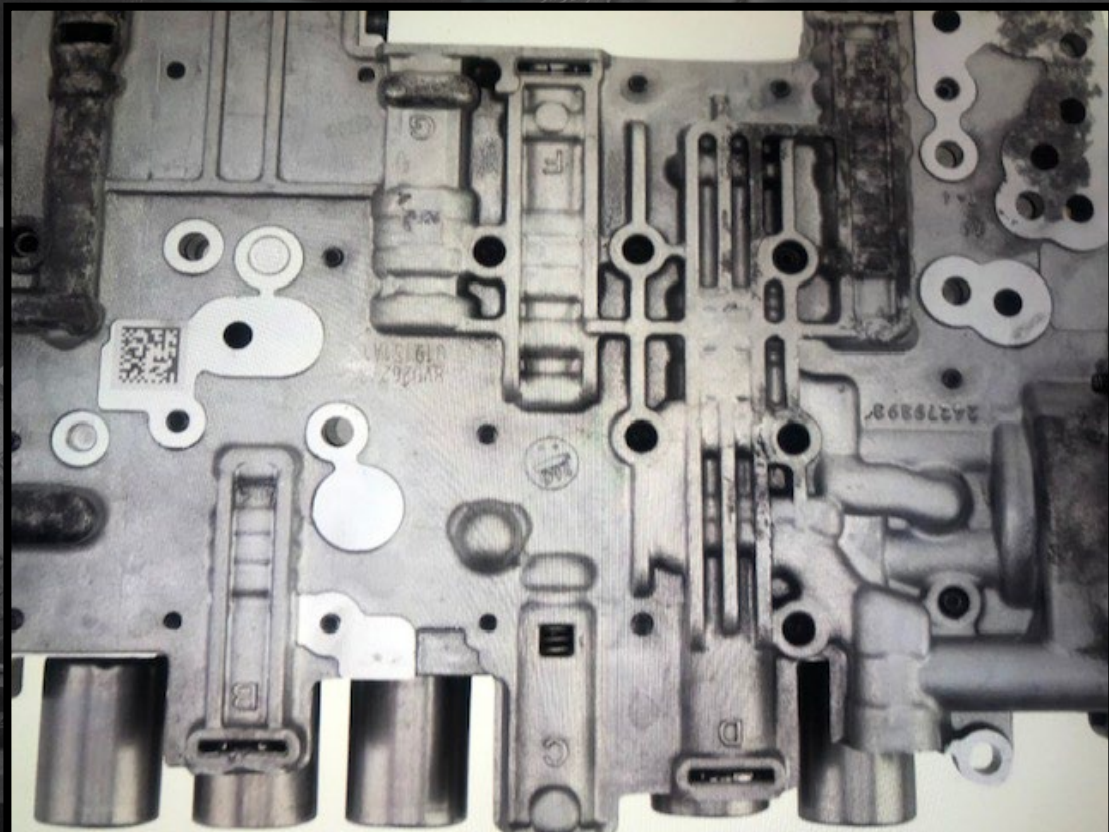


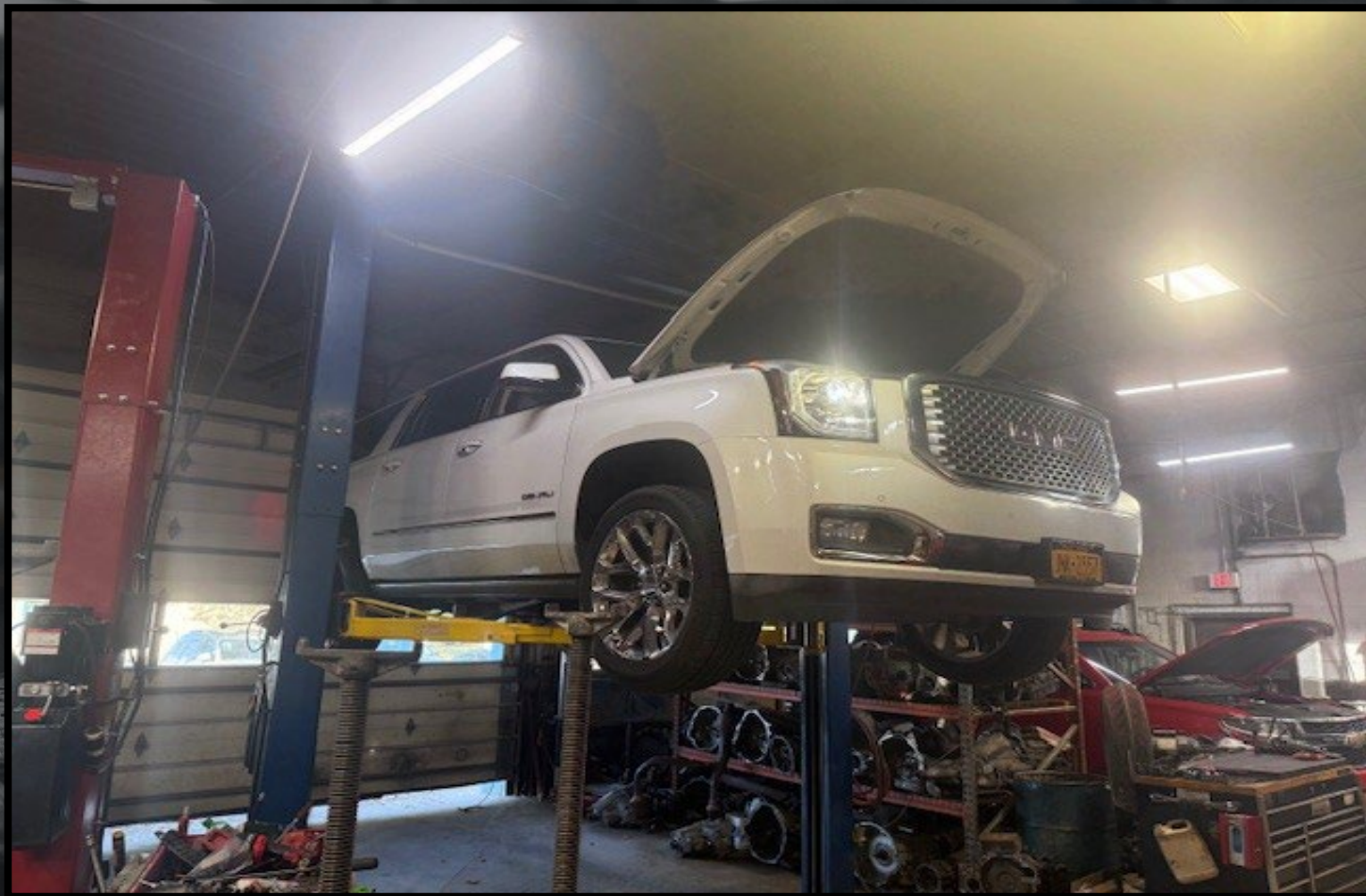
Do not remove this plug that is in new OE valve body!





This preliminary information communicates to the dealer technician that if after replacing the valve body on an 8l45 or 8l90 transmission the vehicle will not move the valve body may be missing a plug and retainer bolt. Technician's are instructed to obtain and install a plug and retainer bolt kit from the gm warranty parts center to address this concern.











Yukon XL (4WD) 6.2L V8 (L86)



Cylinder Deactivation Data - Fuel Economy Mode

Fuel Economy Mode

Cylinder Deactivation System Command

Cylinder 1 Deactivation Solenoid Valve Command

Cylinder 1 Deactivation Solenoid Valve Control Circuit Low
Voltage Test Status

Cylinder 1 Deactivation Solenoid Valve Control Circuit Open
Test Status

Cylinder 1 Deactivation Solenoid Valve Control Circuit High
Voltage Test Status

TRITON-D10™

4WD) 6.2L V8 (L86)

14.7 V



Deactivation Data - Fuel Economy Mode

Fuel Economy Mode	Inactive
Cylinder Deactivation System Command	Enabled
Cylinder 1 Deactivation Solenoid Valve Command	On
Cylinder 1 Deactivation Solenoid Valve Control Circuit Low Voltage Test Status	Not Run
Cylinder 1 Deactivation Solenoid Valve Control Circuit Open Test Status	Not Run
Cylinder 1 Deactivation Solenoid Valve Control Circuit High Voltage Test Status	Ok
Cylinder 4 Deactivation Solenoid Valve Command	On
Cylinder 4 Deactivation Solenoid Valve Control Circuit Low Voltage Test Status	Not Run

TRITON-D10

XL (4WD) 6.2L V8 (L86)

14.7 V



0



Under Deactivation Data - Fuel Economy Mode

Fuel Economy Mode	Inactive
Cylinder Deactivation System Command	Disabled
Cylinder 1 Deactivation Solenoid Valve Command	Off
Cylinder 1 Deactivation Solenoid Valve Control Circuit Low Voltage Test Status	Ok
Cylinder 1 Deactivation Solenoid Valve Control Circuit Open Test Status	Ok
Cylinder 1 Deactivation Solenoid Valve Control Circuit High Voltage Test Status	Not Run
Cylinder 4 Deactivation Solenoid Valve Command	Off
Cylinder 4 Deactivation Solenoid Valve Control Circuit Low Voltage Test Status	Ok









Procedure for preventing engagement issues **& “ghost codes” from materializing:**

- ✓ **Make sure the vehicle is on level ground.**
- ✓ **Put the gearshift selector in neutral.**
- ✓ **Put 4 quarts of Mobil 1 blue label (LV-ATF-HP) in the transmission and start it.**
- ✓ **Check the ATF level and let it idle for 10 minutes. Continue to check and fill the transmission fluid. Do this with a scan tool plugged into the vehicle's OBD port to monitor transmission fluid temperature.**
- ✓ **Once the transmission fluid temperature reaches 150 degrees Fahrenheit, we can apply the brake and engage reverse, neutral, then drive without the vehicle moving.**
- ✓ **Recheck the ATF fluid level with the engine idling and the transmission in neutral. This allows the transmission to fill properly and cuts down the incidence of erroneous codes from materializing.**



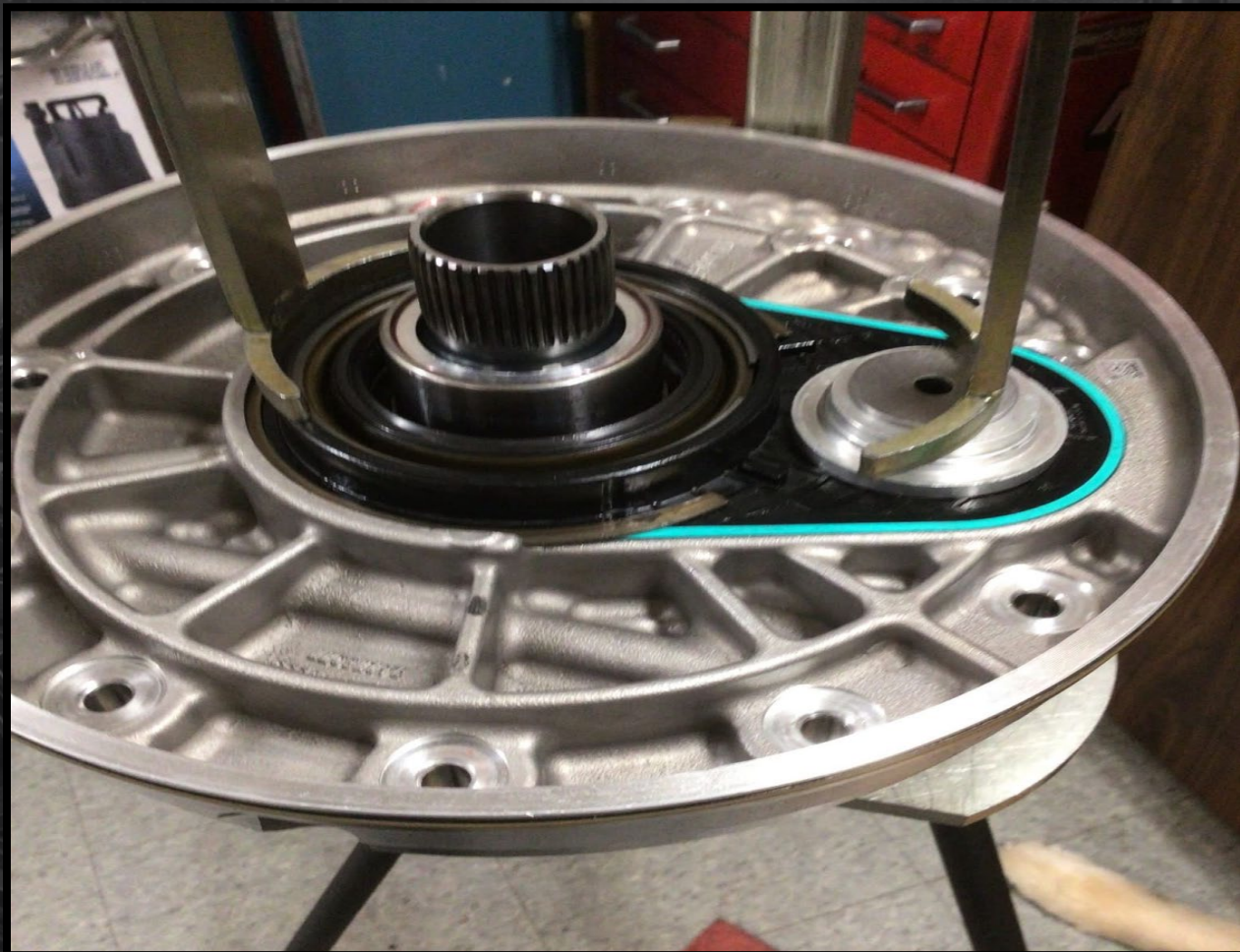
10R80 & 10L80













CRC

Freeze Spray

Aerosol Coolant System

Non-Flammable

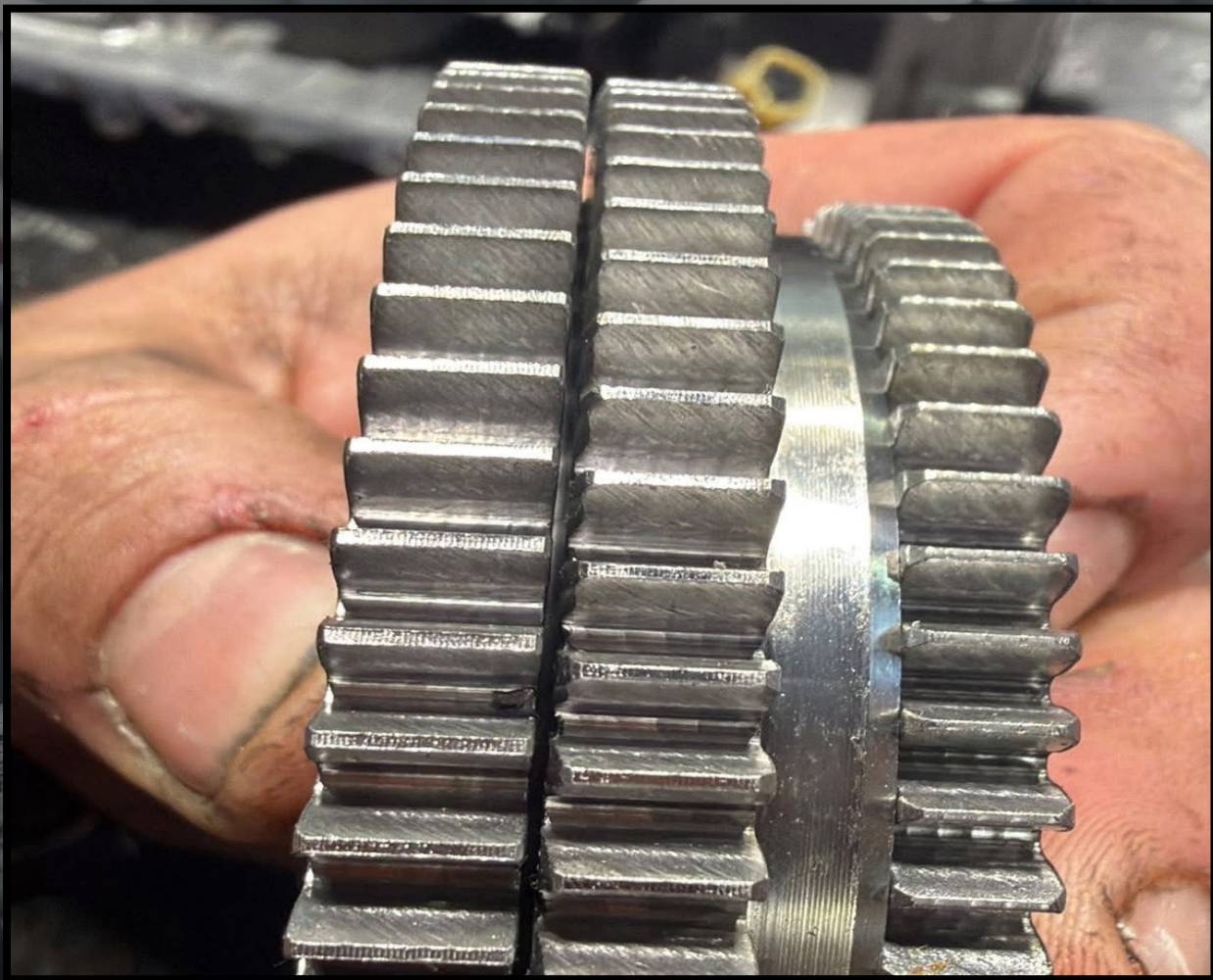
Plastic Safe

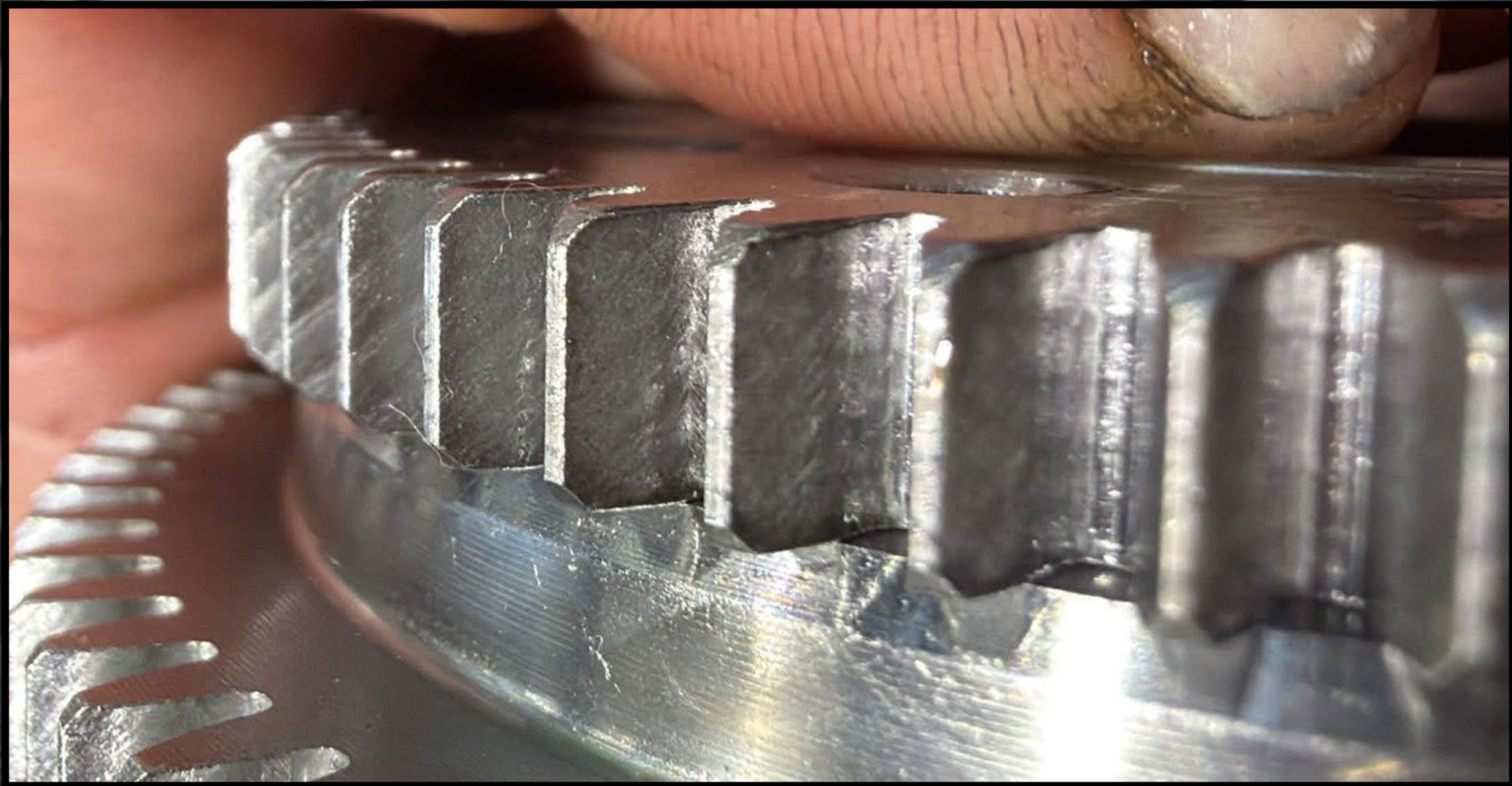
Instantly Freezes Circuits &
Surfaces to -60°F



WARNING:
CONTENTS UNDER PRESSURE.
SHIP AWAY FROM CHILDREN.
Not for use on skin joints.

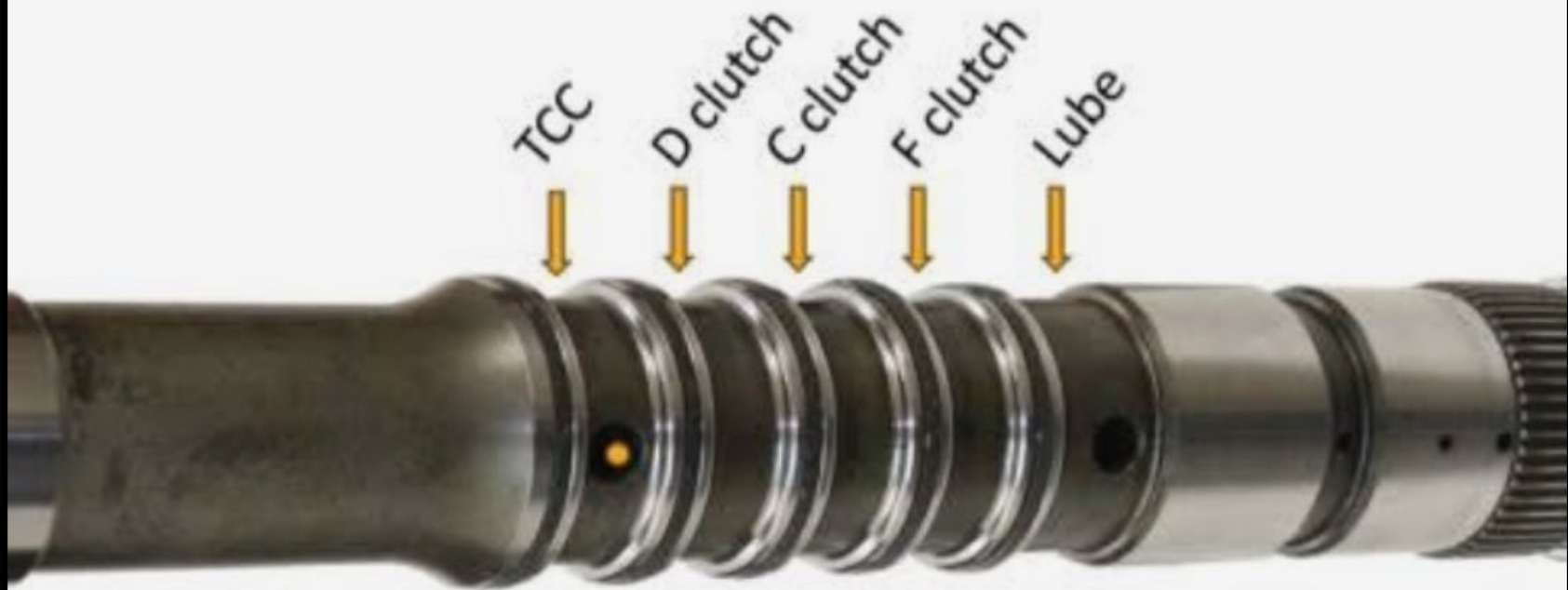
Net Wt.
10 oz (305 g)





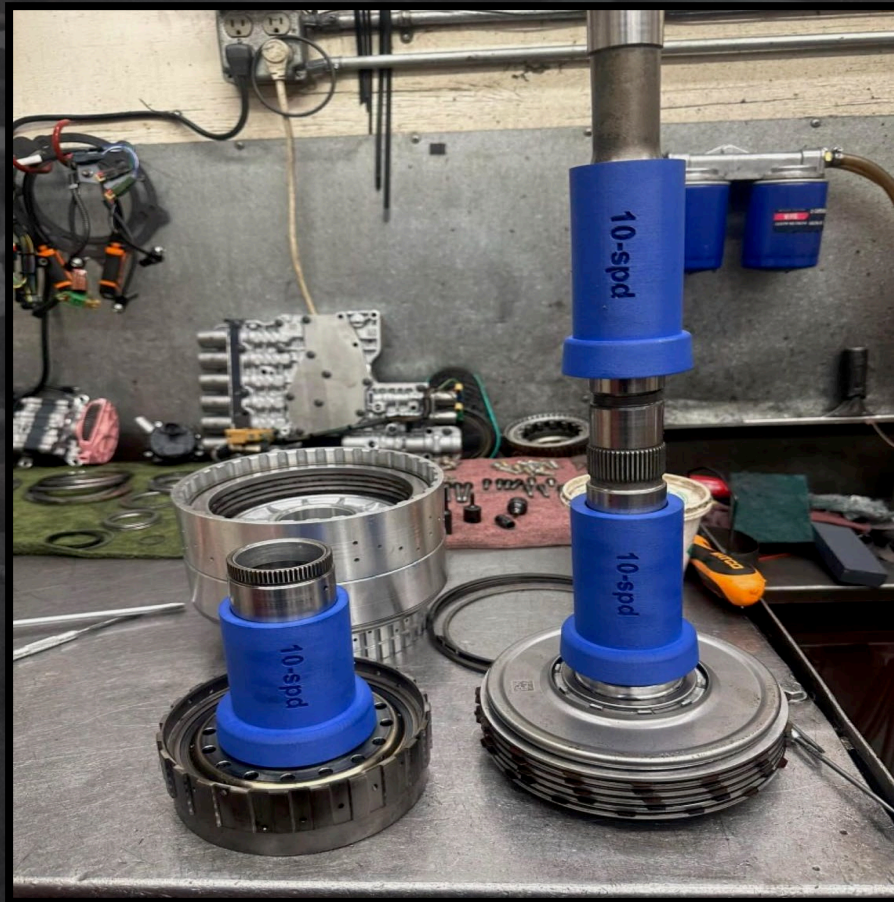


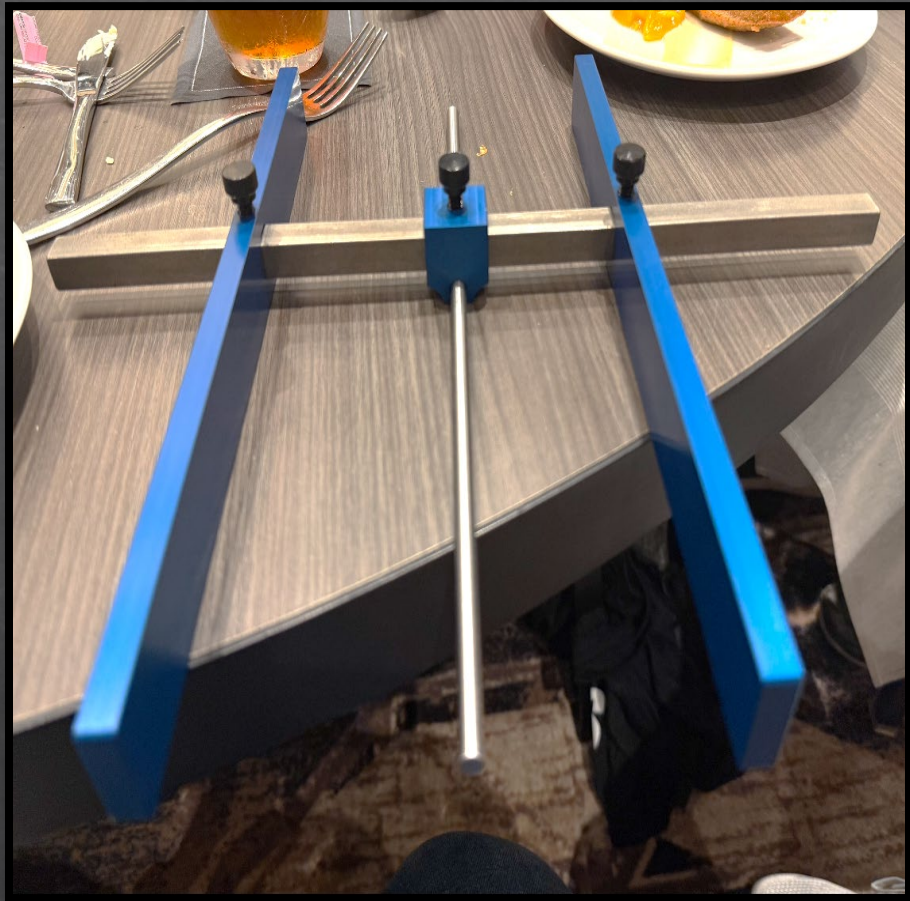
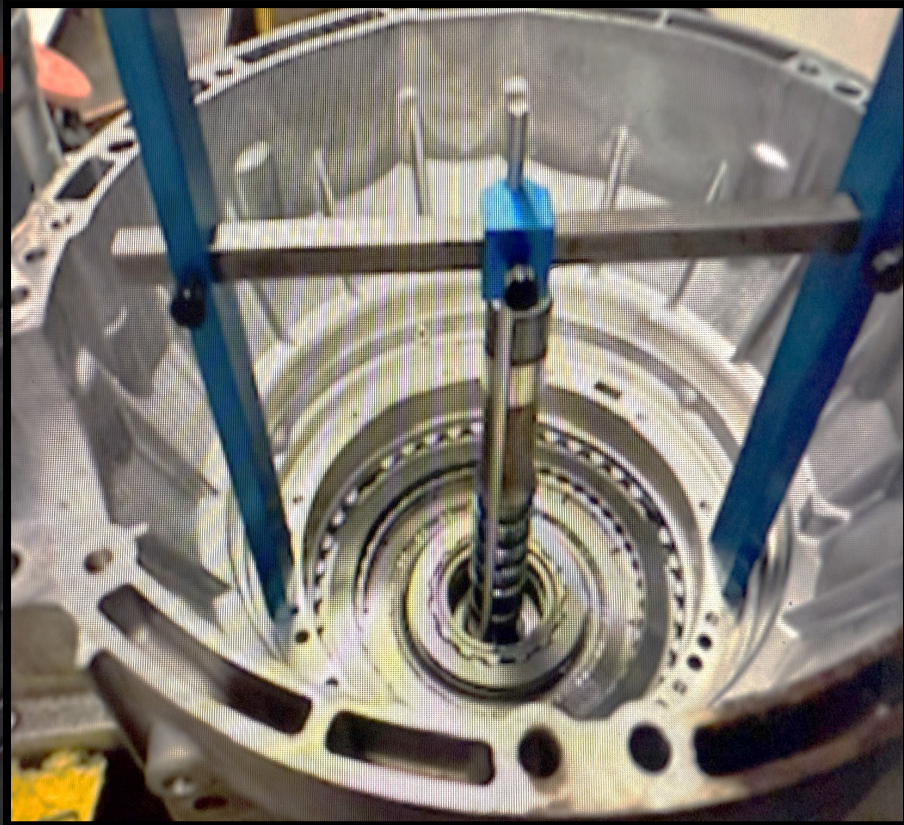












START



STOP





















845RE - 850



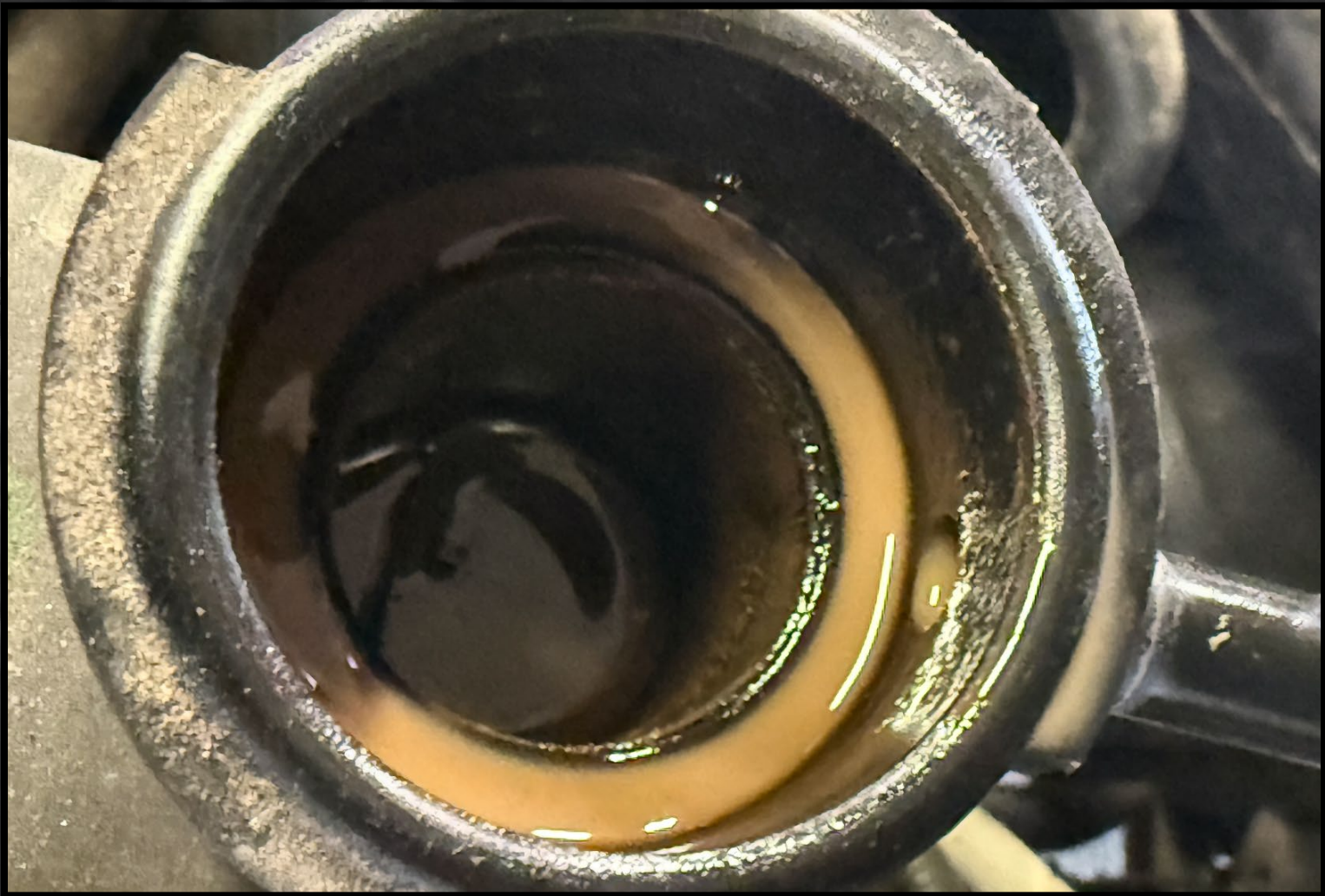


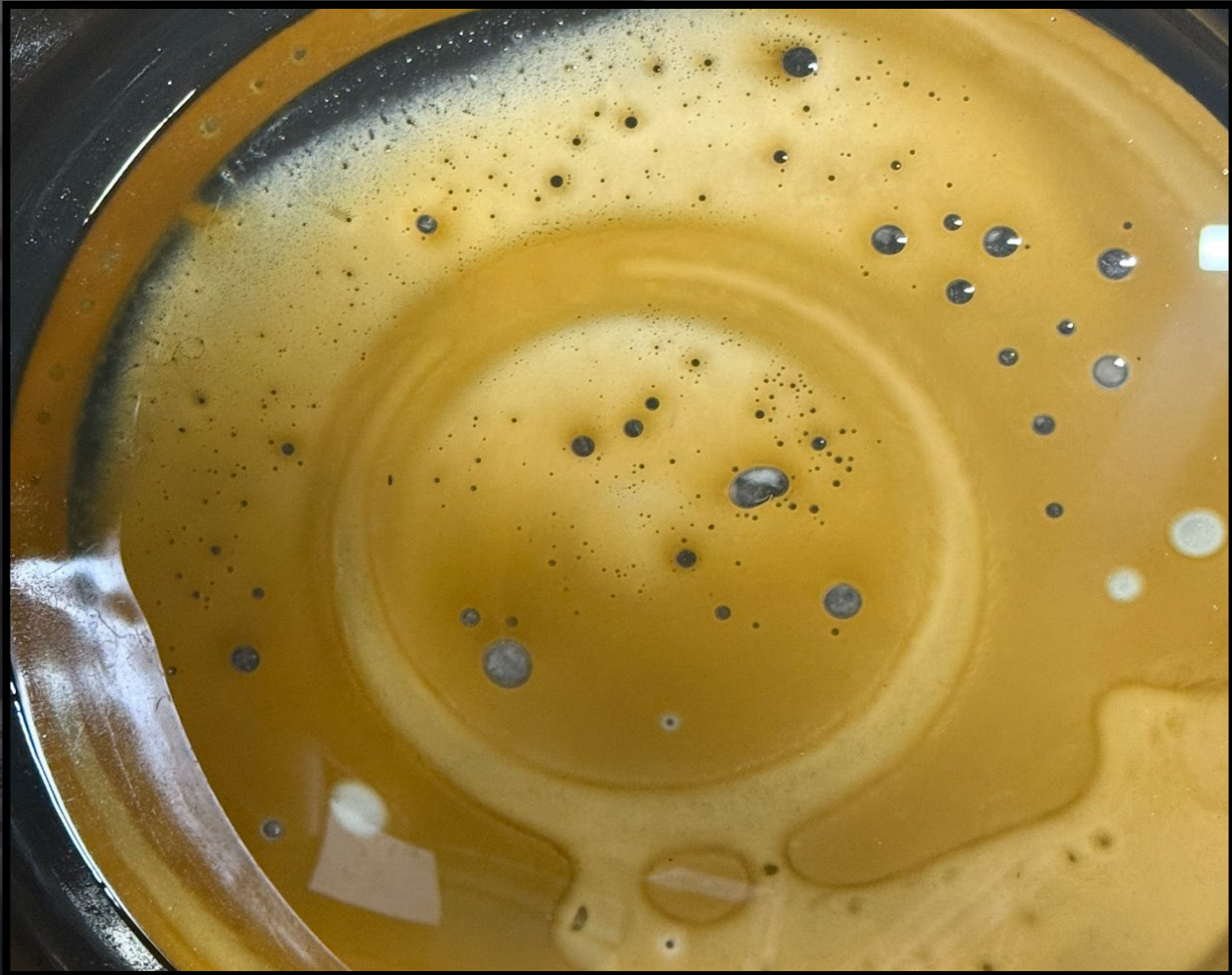


















2016 Ram 1500 (RWD) 3.6L V6 MPI

← 🏠

 **Code Scan Results**
Systems detected: 14

 Engine - Codes: 2

P26AB
Engine Coolant Bypass Valve Stuck

P0330
Knock Sensor 2 Circuit

FORD PICKUP





TRITON

2014 Ford F-150 5.0L V8 DOHC TIVCT SEFI



Code Scan Results

Systems detected: 19



Engine - Codes: 7

P013C-00

O2 Sensor Slow Response - Rich to Lean (Bank 2, Sensor 2)

P0763-00

Shift Solenoid C Electrical - Pending DTC.



Code Scan Results

Systems detected: 19



Engine - Codes: 7

P013C-00

O2 Sensor Slow Response - Rich to Lean (Bank 2, Sensor 2) - Pending DTC - Warning Lamp On

P0763-00

Shift Solenoid C Electrical - Pending DTC.

P0764-00

Shift Solenoid C Intermittent - Pending DTC.

P0979-00

Shift Solenoid C Control Circuit Low - Pending DTC - Warning Lamp On.

P2197-00

O2 Sensor Signal Biased/Stuck Lean - Bank 2, Sensor 1 - Pending DTC.





POWERTRAIN EXPO

JOHN



**PRECISION
INTERNATIONAL**

Thank You!

Do you have any questions?
technical@transmissionkits.com

1-631-567-2000

www.transmissionkits.com

