

# Castrol DSR Driveline Training

March 28, 2025



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Intros

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Passenger Car Transmissions

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PCO Transmission Fluids

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HD Transmissions

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HD Transmission/Driveline Fluids

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Transmission Warranty Program

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Quiz and Q&A



# Passenger Car



# Step-Type Automatic Transmissions

Fluid: Automatic Transmission Fluid (ATF)

- **Technology in use by most vehicles on the road today**
- **Major OEM specs in USA: Dexron, Mercon**
- **Japanese Automakers: JASO 1A**

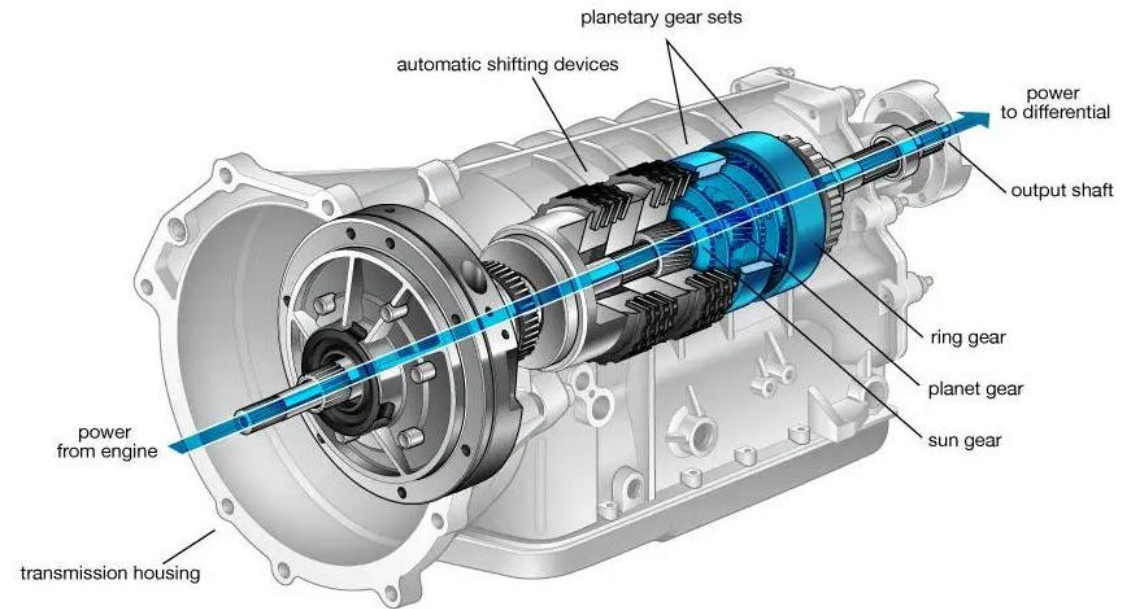
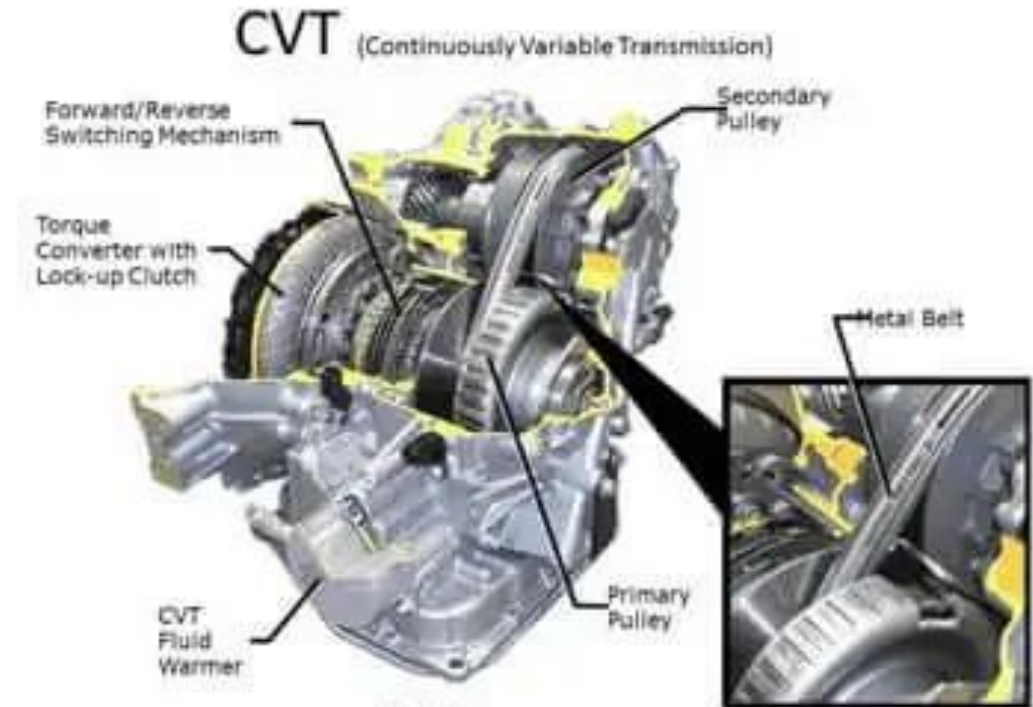


Image credit: Cars.com

# Continuously Variable Automatic Transmissions

Fluid: Continuously Variable Transmission Fluid (CVT fluid, CVTF, etc...)

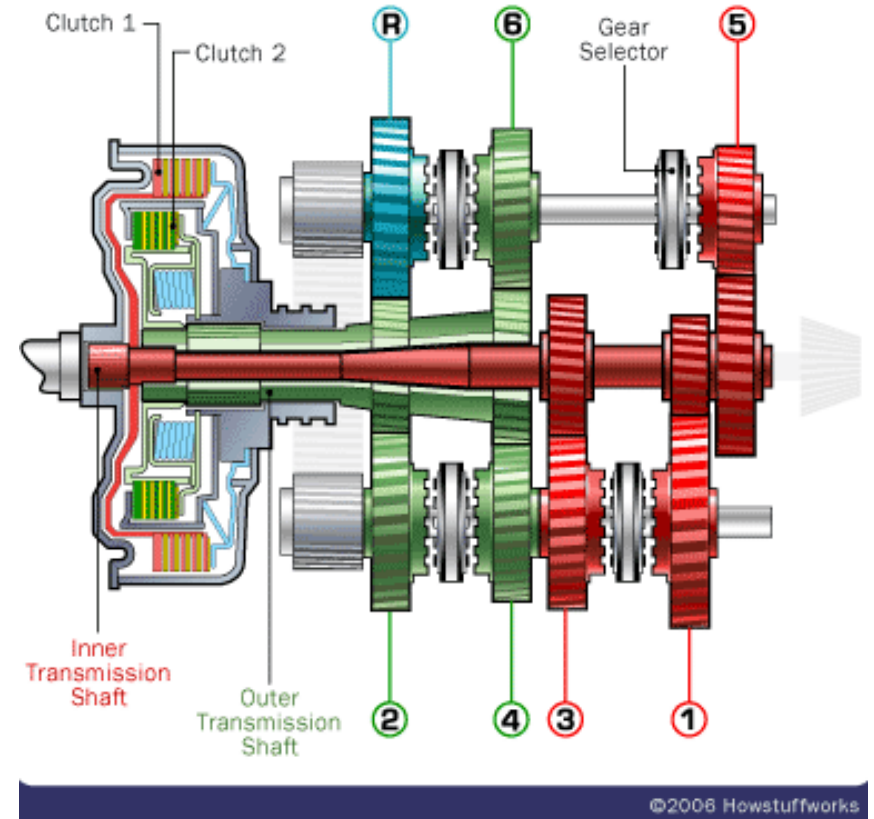
- **Relatively newer design**
- **Very popular among Japanese OEMs**
- **Rising use within US car parc**
- **Fuel efficient, but lower torque overall**



# Dual Clutch Transmissions

Fluid: Dual Clutch Transmission Fluid (DCT fluid, DCTF)

- **Uncommon in US, but more popular globally**
- **Similar mechanism to manual transmissions with automated control**
- **Uses two clutch system to switch gears**
- **Requires highly specialized fluid**





## Transmax ATF/CVT Universal

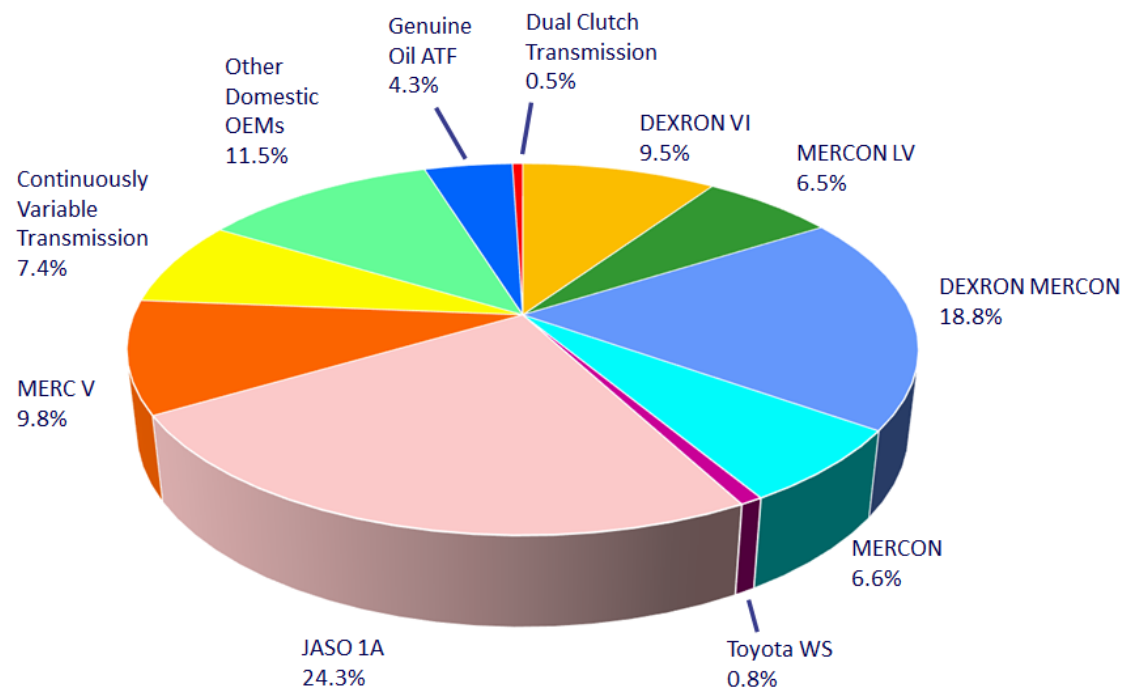
- Our latest multi-application fluid with spec coverage for 95% of US car parc
- Suitable for use in a wide range of traditional automatic (step) and Continuously Variable Transmissions
- Also suitable for use in Hybrids
- Full synthetic formula



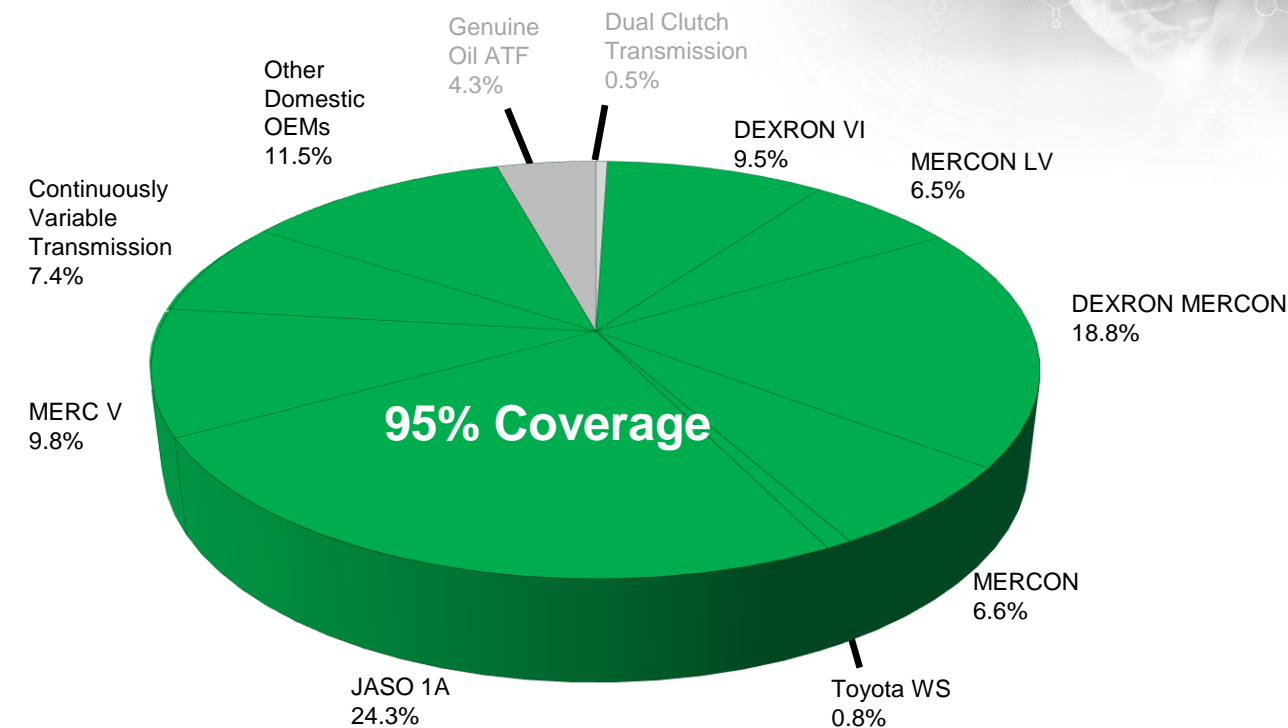


# ATF Spec Mix & Transmax Universal Car Parc Coverage

## US Car Parc – ATF Specs



## TRANSMAX ATF/CVT Universal Coverage



Source: Afton Chemical, March 2020



# Additional ATF Line Up



**Castrol TRANSMAX  
Import Multi-Vehicle**  
Recommended for use in  
Honda, Toyota, Nissan and  
other imported vehicles.



**Castrol TRANSMAX  
Dexron VI / Mercon LV**  
OEM approved and licensed by  
Ford (MERCON® LV) and GM  
(DEXRON®-VI)



**Castrol TRANSMAX  
Full Synthetic Multi-  
Vehicle**

- OEM approved and licensed  
by Ford (MERCON® LV) and  
GM (DEXRON®-VI)
- Recommended for a wide  
range of import vehicles



**Castrol TRANSMAX  
Dual**

- Full synthetic dual clutch  
transmission fluid
- For use is VW, SEAT and  
Skoda (6 speed) DSG



**Castrol TRANSMAX  
MERCON V**  
Certified and approved by Ford  
for all cars and trucks that  
require MERCON® or  
MERCON® V



**Castrol TRANSMAX  
DEX/MERC**

- Meets MERCON® and  
DEXRON®-III H  
requirements
- Also satisfies requirements  
of DEXRON®, DEXRON®-  
III, IIE, and II



**Castrol TRANSMAX  
ATF+4**  
Certified and approved for all  
Chrysler, Hyundai, and  
Mitsubishi cars and trucks that  
require ATF+4®, Mopar  
ATF+3®, ATF+2® ATF+2  
Type 7176®, or ATF+®



**Castrol TRANSMAX  
High Mileage**  
For use in transmissions  
with 75,000 miles and up.



Heavy Duty



# HD Transmission types

- HD Manual (Standard, Range-Splitter, etc.), Automated Manual, and Automatic are most common
- Areas of focus in HD include high up-time, fuel efficiency, and ease of use
- High number of OEM specs implies a wide range of fluids



# Market Coverage

Superior Performance for the Long Haul

Castrol offers a wide range of products covering the specifications that customers need

Products formulated and produced in cooperation with leading HD OEMs

Extended drain approvals for many of the most demanding applications on the road



DAIMLER  
TRUCK

EATON

NAVISTAR



# Heavy Duty Transmission Fluids

## Transmission Fluids:

- Transynd
- Transynd 668
- Transynd RD
- Transmax Manual AT 75W-90
- Transmax Manual E Long Life 40
- Transmax Manual Heavy duty 75W-90
- Transmax Offroad V 75W-75
- Transmax Universal LL 75W-90
- Heavy Duty Multipurpose ATF
- Trans C product line

## Other Driveline Oils:

- AP Gear line
- Syngear line
- Axle FD-1 80W-140
- Universal Tractor Fluid

In total over 20 products across the HD portfolio

## Major OEMs and Industry Specs covered:

API: GL-4, GL-5, MT-1

SAE: J2360 (formerly MIL-PRF-2105)

Allison: C4, TES-295, TES-353, TES-389, TES-468, TES-668

ArvinMeritor: O76-N, O-81

Dana: SHAES 256 Rev-C, SHAES 429

Mack: GO-J Plus, TO-A Plus

Man: 341 TYP GA1/Z2, 342 Typ S1

Scania: STO 1:1G, 2:0A FS

Volvo: 97304 WB102, 97312, 97315, 97319

ZF: TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A

CAT, Daimler(MB), Eaton, Ford, GM, Navistar and more!

# Castrol Transmission Warranty



## Lifetime Warranty Program

A free transmission warranty for your customers, helping you stand out from competitors and build customer loyalty.

### Key benefits

Provides peace of mind to customers

Automatic reminder emails to encourage customer return

Customers sign up required

**Now covering vehicles using:**

**Transmax Full Synthetic Multi-Vehicle ATF**

**Transmax ATF/CVT Universal**

**Transmax Dexron VI/Mercon LV ATF**

**Transmax Dex/Merc ATF**

### CASTROL TRANSMAX TRANSMISSION WARRANTY PROGRAM

Under the Castrol Transmax Transmission Warranty (CTTW) Program, Castrol Lubricants will pay the reasonable expenses for repair or replacement of Covered Parts and associated labor to restore the Covered Parts to operation up to the applicable coverage amount specified set forth in this Castrol Transmax Transmission Warranty.

To know more visit:

[Transmax\\_Warranty.pdf](#)



# Recap Quiz

What percent of passenger cars are covered by Castrol Transmax ATF/CVT Universal?

Answer: 95%

How many transmission fluids does Castrol offer for HD vehicles in the US?

Answer: 20+

True or False:  
The Castrol Transmax Lifetime Warranty Program covers 4 of our top PCO Transmission Fluids.

Answer: True (Universal, Full Syn, Dex VI/Merc LV, and Dex/Merc)



# Questions



# Follow Up Q&A

Is the cvt licensed for dex VI and Merc LV? Transmax ATF/CVT Universal is a “Suitable For Use” product, and claims “SFU” against Dexron VI and Mercon LV. ATF/CVT universal is not licensed for these specs. Transmax Full Synthetic Multivehicle ATF and Transmax Dex VI/Merc LV are both fully approved and licensed for these specs.

Does Castrol have a replacement for chevron GST 68 oil?

Chevron GST 68 is a hydraulic fluid for use in electric and marine turbines. We do not have a cross in the PCO or HD portfolio. There are crossed through our Industrial portfolio, each suited for their own application: Hyspin VG 68 if the customer just needs a good “R&O” oil, or BP Turbinol Select 68 if they are servicing a true turbine application.

Will Castrol be updating the suitable use on Transmax fs MV?

Not at this time.

Would this program work with a transmission rebuilder who uses 12,000 gal/mo?

Please reach out to your ASM or DBM so they can escalate this opportunity to our legal department to verify eligibility.

# Survey and Feedback

## Driveline Transmission Training Feedback



<https://forms.office.com/Pages/ResponsePage.aspx?id=LpWA6nak1EKq9FRXhSsPfnSvrjK31x9IvQEwWOx8RjhUmlowRIZUSUFCQjZHRTkyRUFiQUo3UTE2Ui4u>