

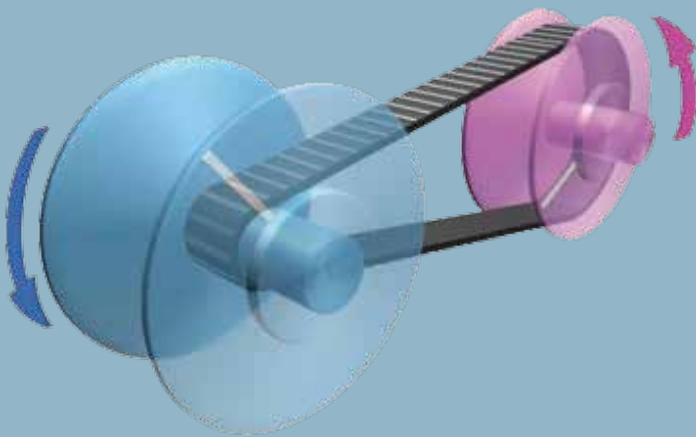


ENEOS

CVT

Continuously Variable Transmission

Fluid



- Superior Power Transmission
- Improved Protection



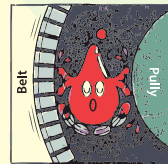
CVT DISCUSSION

In a car equipped with a CVT, there are no noticeable gear shifts like in a regular transmission, where engine speed drops during the shift from a lower gear to a higher one. That drop in RPM during shifts can put the engine speed below the RPM range where it makes power. In a CVT, the drop in RPM never happens.

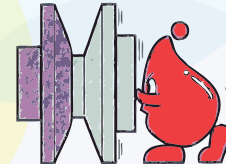
CVT Fluid is a functional part of the Continuously Variable Transmission. Please refer to the following FAQ to ensure the correct handling and change of CVT Fluid.

Q: What is the difference between ATF & CVT Fluid?

A: The required functions of ATF and CVT Fluids are fundamentally different. Since CVT Fluid controls the metal to metal friction between the belt and pulleys as well as provide the necessary oil pressure crucial to the CVT function, it is extremely important to use the right CVT Fluid for your car.



High metal to metal friction



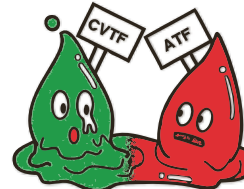
Maintain oil pressure

Required ATF Characteristic

- Reduce metal to metal friction
- Stable Oxidation
- Cleaning agents
- Anti-foam
- Seal swelling agent
- Stable viscosity

Required CVT-F Characteristic

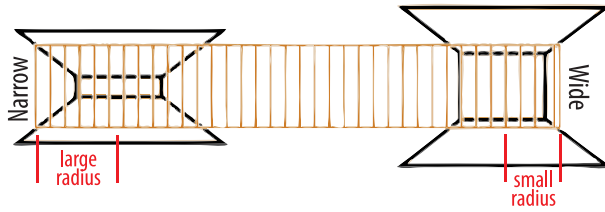
- High metal to metal friction
- Maintain oil pressure
- Heat resistance
- Stable viscosity



Q: What happens if I accidentally used the wrong fluid?

A: Due to the specific fluid functions each of the transmissions require, in case of an accidental mix-match of fluid in the transmission, there is a high risk of mechanical damage that could occur. Worst case scenario, the transmission will fail due to improper friction modifiers the transmission parts are exposed to. If you do accidentally filled your transmission with the incorrect fluid, you should change it out immediately.

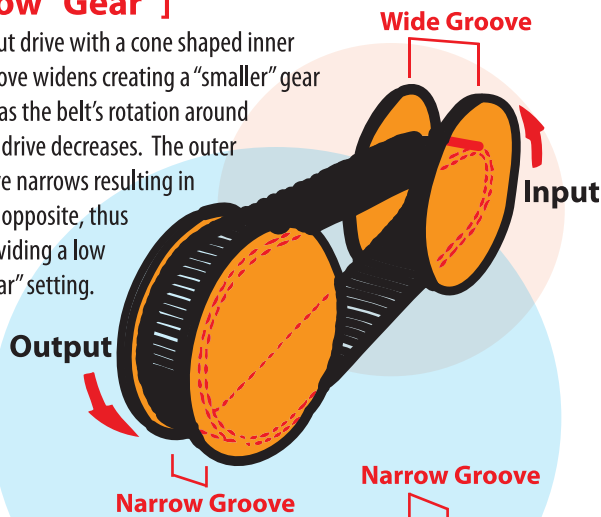
HOW CVT WORKS



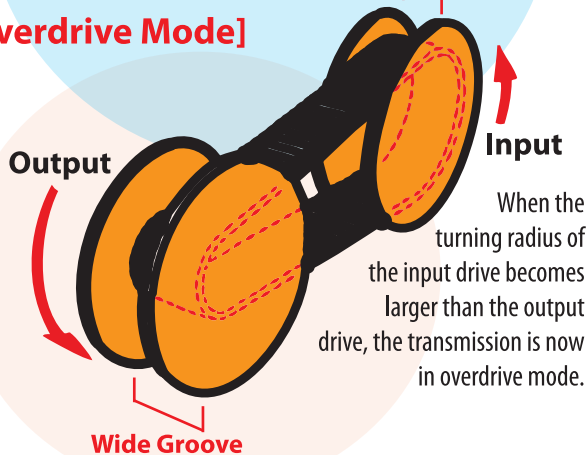
The width between the cones that form the pulleys is increased and decreased hydraulically (electrically in some cases). This changes the turning radius of the input and output pulleys and enables smooth acceleration and deceleration.

[Low "Gear"]

Input drive with a cone shaped inner groove widens creating a "smaller" gear set as the belt's rotation around the drive decreases. The outer drive narrows resulting in the opposite, thus providing a low "gear" setting.



[Overdrive Mode]



When the turning radius of the input drive becomes larger than the output drive, the transmission is now in overdrive mode.

A conventional automatic transmission fluid tries to reduce metal to metal contact and friction, but a CVT fluid needs to maximize friction to ensure efficient power transfer and all the while still protect the hardware.

COMPATIBILITY

TOYOTA:

Transmission: Super CVT

Vehicles: Future *Corolla* & *Yaris*

Uses: CVT Fluid TC

Compatible: YES

NISSAN:

Transmission: N-CVT

Hyper CVT

Hyper CVT M6

Vehicles: N/A

Uses: Matic D

Uses: Fluid NS-1

Uses: Fluid NS-1

Compatible: YES

Transmission: Xtronic CVT M6

Vehicles: Optional on - *Sentra*, *Altima*, *Versa*. Standard on - *Maxima*, *Rogue*, *Murano*.

Uses: Fluid NS-2

Compatible: YES

Transmission: Xtroid CVT M6

Vehicles: Older models

Uses: Fluid KTF-1

Compatible: NO

HONDA:

Transmission: Multimatic

Vehicles: *Insight*

Uses: Ultra ATF/Z1

Compatible: YES

MITSUBISHI:

Transmission: INVECS-III CVT

INVECS-III SM6

Vehicles: Optional on - *Lancer*

Uses: ATF-SP III

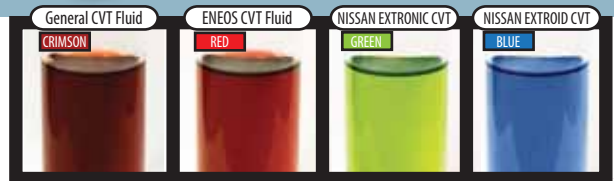
Uses: ATF-SP III

Compatible: YES

ENEOS Continuously Variable Transmission Fluid is fully compatible with all above listed metal belt-driven type CVT's. This accounts for over 80% of the CVT vehicles in the North American market.

Q: Are the colors different for ATF and CVT Fluid?

A: The color of most ATF products are red. CVT fluid comes in red, green, and blue. The color difference is due to color dye added during blending. It does not reflect actual product content.



- Toyota
- Honda
- Mitsubishi
- Fuji HI
- Suzuki

Compatible with all metal belt type CVT's including Nissan's Green CVT Fluid

COMPATIBLE WITH ENEOS CVT FLUID

NOT COMPATIBLE WITH ENEOS CVT FLUID

FOR FURTHER INFORMATION ON ENEOS PRODUCTS REFER TO THE DATA SHEET OR MSDS
ENEOS MOTOR OIL - WWW.ENEOS.US

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