



**Continuously Variable Transmission Fluid**

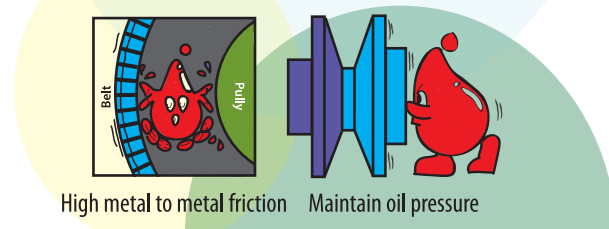


**CVT DISCUSSION**

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's to ensure the correct handling and change of CVT Fluid.

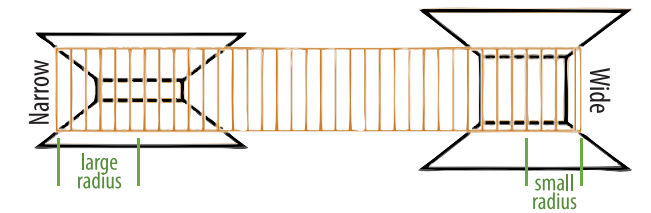
**Q: What is the difference between ATF & CVT Fluid?**  
**A:** The required functions of ATF and CVT Fluids are fundamentally different. Since CVT Fluid controls the metal to metal friction between the belt and pulleys as well as provide the necessary oil pressure crucial to the CVT function, it is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



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|--|---|
| <p><b>Required ATF Characteristics</b></p> <ul style="list-style-type: none"> <li>• Reduce metal to metal friction</li> <li>• Stable Oxidation</li> <li>• Cleaning agents</li> <li>• Anti-foam</li> <li>• Seal swelling agent</li> <li>• Stable viscosity</li> </ul> | <p><b>Required CVT-F Characteristics</b></p> <ul style="list-style-type: none"> <li>• High metal to metal friction</li> <li>• Maintain oil pressure</li> <li>• Heat resistance</li> <li>• Stable viscosity</li> </ul> |
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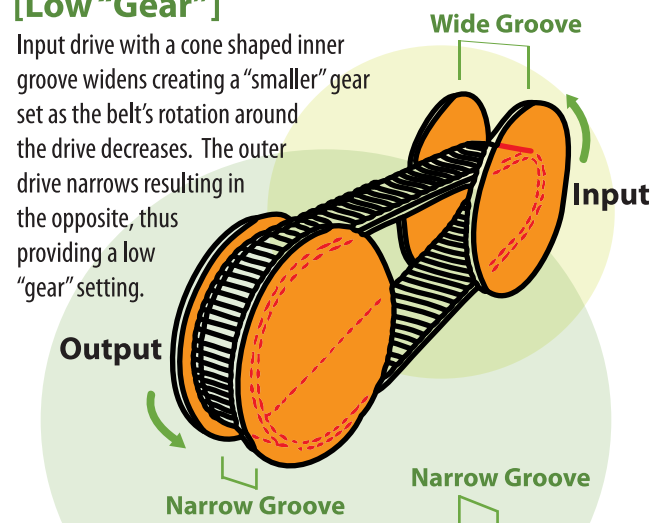
**Q: What happens if I accidentally use the wrong fluid?**  
**A:** Due to the specific fluid functions each of the transmissions require, there is a high risk of mechanical damage that could occur in case of an accidental mix-match of fluid in the transmission. In some cases, the transmission could fail due to improper friction modifiers the transmission parts are exposed to. If you do accidentally fill your transmission with the incorrect fluid, you should drain, flush and refill with the correct fluid 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.



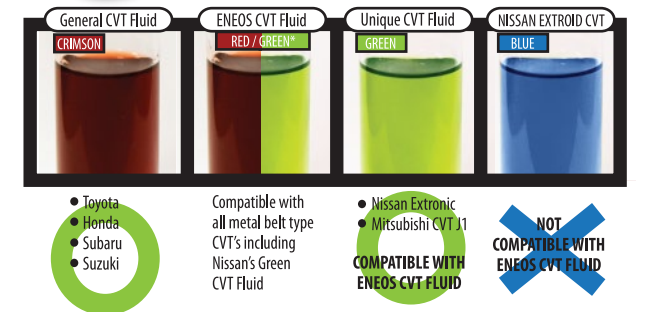
**[Overdrive Mode]**  
 When the turning radius of the input drive becomes larger than the output drive, the transmission is now in overdrive mode.

A conventional automatic transmission fluid tries to reduce metal to metal contact and friction, but a CVT fluid needs to maximize friction to insure efficient power transfer while still protecting moving parts from wear.

**COMPATIBILITY**

- NISSAN:**  
**Transmissions:** Xtronic CVT M6  
**Vehicles:** Sentra, Maxima, Altima, Rogue, Versa, Murano  
**Uses:** Fluid NS-2  
**Compatibility:** YES - COMPATIBLE
- HONDA:**  
**Transmissions:** Honda CVT  
**Vehicles:** Insight, Civic Hybrid, CR-Z (w/paddle shifter model)  
**Uses:** CVT Fluid  
**Compatibility:** YES - COMPATIBLE
- MITSUBISHI:**  
**Transmissions:** INVECS-III CVT  
**Transmissions:** INVECS-III SM6  
**Vehicles:** Lancer (Non-Evolution model)  
**Uses:** CVT Fluid J1  
**Compatibility:** YES - COMPATIBLE

**Q: Are the colors different for ATF and CVT Fluid?**  
**A:** The color of most ATF products is red. CVT fluid comes in red, green, and blue. The color difference is due to color dye added during blending. **Color does not indicate quality or product application.**



• Toyota, Honda, Subaru, Suzuki  
 Compatible with all metal belt type CVT's including Nissan's Green CVT Fluid  
 • Nissan Extronic, Mitsubishi CVT J1  
**COMPATIBLE WITH ENEOS CVT FLUID**  
**NOT COMPATIBLE WITH ENEOS CVT FLUID**

\*Older ENEOS CVT Fluid is of red color while new ENEOS CVT Fluid has switched to a green color. The formulation and compatibility for both fluids are identical

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 For further information on ENEOS products, refer to the data sheet or MSDS.  
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