

# DID YOU KNOW?



## HONDA/ACURA DPS

**Today's trend is for vehicles to be lighter, higher performance and more fuel efficient than cars in the past.**

This has spurred many changes and innovations among auto manufacturers. One of these notable changes is the Dual Pump System created for Honda and Acura's AWD vehicles.

Their Dual Pump System (DPS) consists of a conventional FWD setup with a transfer case, and the DPS within the rear differential, with the driveshaft connecting the front and rear wheel setup.

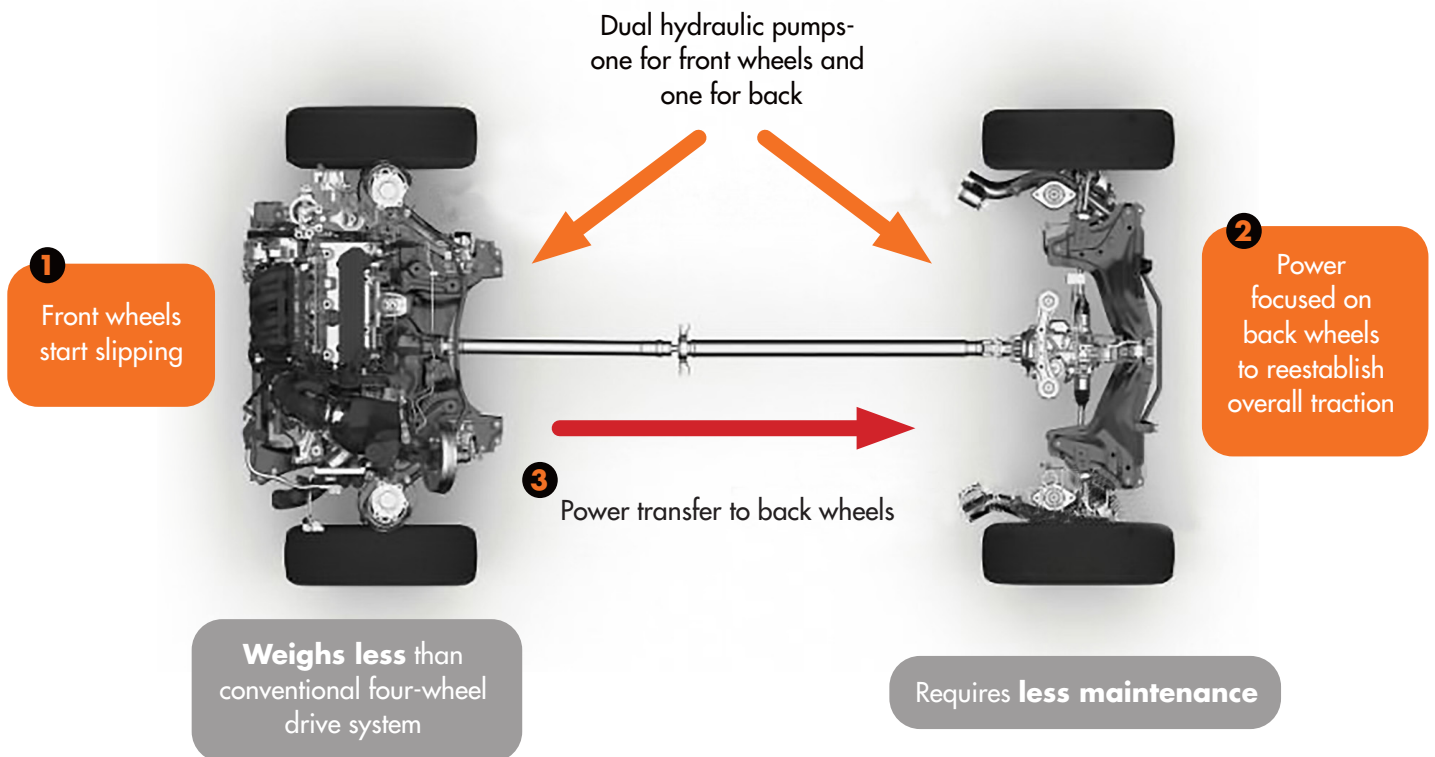
Most of the time only the front wheels are powered; it is only when they begin to lose grip that the DPS starts to send power to the rear wheels. During normal traction, the front and rear wheels, and their respective pumps, turn at the same speed. Hydraulic pressure circulates between

the two pumps, but no additional pressure is generated. If the front wheels begin to lose traction and start to spin faster than the rear, the two pumps turn at different rates. Hydraulic pressure proportional to the difference in their speed is generated, which then opens a valve body and activates a multi plate clutch.

This clutch connects the front propeller shaft to the rear differential, which feeds the correct amount of torque to the rear wheels to re-establish traction. The more the front wheels slip, the greater the torque fed to the rear wheels.

## MORE ABOUT DUAL PUMP SYSTEMS

Dual Pump Systems are used exclusively in **Honda and Acura** AWD applications



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One advantage of the Honda/Acura DPS is it disengages when braking, allowing the Anti-lock Braking System (ABS) to operate. Another is it weighs less than a conventional four wheel drive system which, along with supplying torque on an as-needed basis, contributes to fuel economy. It also requires little maintenance: a periodic fluid change to keep the system running smoothly.

## ACURA DPS Models

Model	Year	Qual	Genuine Fluid
RL	2005 - 2012	AWD	Acura All Wheel Drive Fluid (DPSF)
MDX	2007 - PRES	AWD	Acura All Wheel Drive Fluid (DPSF)
RDX	2007 - PRES	AWD	Acura All Wheel Drive Fluid (DPSF)
TL	2009 - 2014	AWD	Acura All Wheel Drive Fluid (DPSF)
TLX	2015 - PRES	AWD	Acura All Wheel Drive Fluid (DPSF)
ZDX	2010 - 2013	AWD	Acura All Wheel Drive Fluid (DPSF)

## HONDA DPS Models

Model	Year	Qual	Genuine Fluid
ACCORD CROSSTOUR	2010 - 2015	AWD	Honda Dual Pump Fluid II
CR-V	1997 - PRES	AWD	Honda Dual Pump Fluid II
ELEMENT	2003 - 2011	AWD	Honda Dual Pump Fluid II
HR-V	2016 - PRES	AWD	Honda Dual Pump Fluid II
PILOT	2016 - PRES	AWD	Honda Dual Pump Fluid II
RIDGELINE	2017 - PRES	AWD	Honda Dual Pump Fluid II

## DUAL PUMP SYSTEM FLUID

DPS fluid is required on more than 4 million Honda and Acura AWD vehicles, with recommended service intervals of 30K miles. ENEOS provides the only OE replacement fluid available: **Import DPS Fluid #3410-300**

As a trusted supplier of OE factory fill fluids, count on ENEOS to provide the same quality, expertise, and specifications as the vehicle OEM.

## ENEOS IMPORT DPS FLUID

ENEOS Import DPS Fluid is dual pump system fluid engineered specifically for Honda and Acura vehicles that require Honda Dual Pump Fluid II and Acura DPSF Genuine Fluid.

Formulated with select high-quality synthetic base oils which are combined with unique additives, ENEOS Import DPS Fluid will provide outstanding compatibility with your vehicle.

ENEOS is the leading innovator and supplier of automotive lubricants to the majority of Asian automobile manufacturers.



3410-300