

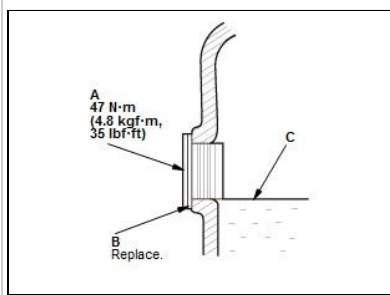
## Rear Differential Fluid Inspection And Replacement (AWD) (2013-18)

### Inspection

#### 1. Vehicle - Lift

	1. Raise and support the vehicle .
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#### 2. Rear Differential Fluid - Check



Courtesy of HONDA, U.S.A., INC. fluid.

1. Use solvent and a brush to wash any oil and dirt off the oil fillerplug, and dry them with compressed air
2. Remove the oil filler plug (A) and the sealing washer (B)
3. Check the condition of the rear differential fluid, if the fluid is dirty or burnt, replace it
4. Make sure the rear differential fluid is at the proper level (C).
  1. If the level is below the proper level, check for rear differential fluid leaks at the differential.
  2. If a problem is found, fix it before filling the differential with
5. The fluid level must reach up to the bottom of the oil filler plughole
6. If necessary, add the rear differential fluid until it runs out, then reinstall the oil filler plug with a new sealing washer.

### Replacement

NOTE: Check that the AWD system indicator does not come on. If it does, check for AWD with intelligent control system DTC's .

#### 1. Vehicle - Lift

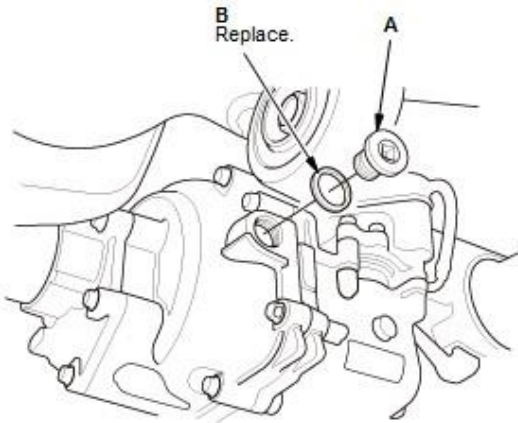
	1. Raise and support the vehicle .
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#### 2. Rear Differential Fluid - Replace

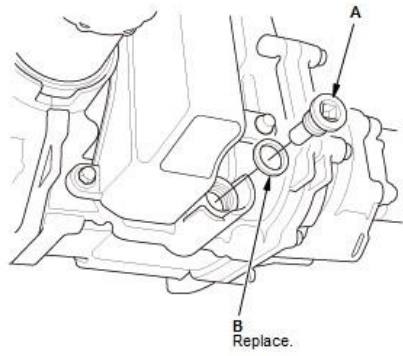
	1. Remove the oil filler plug (A) and the sealing washer (B).
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<b>Fluid Capacity:</b>	
	<b>1.2 L (1.3 US qt) at fluid change</b>

1.5 L (1.6 US qt) at overhaul

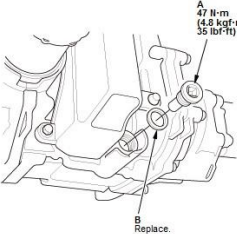


Courtesy of HONDA, U.S.A., INC.



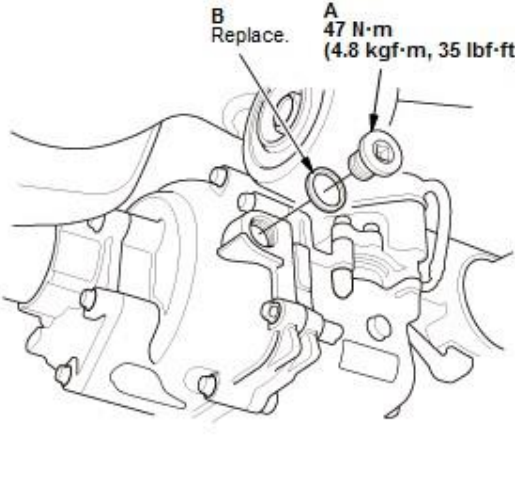
2. Remove the drain plug (A) and the sealing washer (B), then drain the rear differential fluid.

Courtesy of HONDA, U.S.A., INC.

	<ol style="list-style-type: none"> <li>Remove the metal particles from the magnetic surface of the drain plug (A)</li> <li>Install the drain plug with a new sealing washer (B)</li> <li>Refill the rear differential with rear differential fluid to the proper level.</li> </ol>
<p>Courtesy of HONDA, U.S.A., INC.</p>	<p style="text-align: center;"><b>NOTE:</b> If you disassemble the differential, check the rear differential fluid level again after the AWD with intelligent control system check is finished. Add fluid if necessary.</p>

**Recommended fluid:**

**Acura All-Wheel Drive Fluid (DPSF)**

	<ol style="list-style-type: none"> <li>Install the oil filler plug (A) with a new sealing washer (B).</li> </ol>
<p>Courtesy of HONDA, U.S.A., INC.</p>	

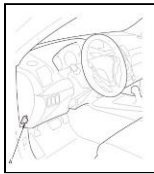
**3. Rear Differential Fluid After Replacement - Check**

<ol style="list-style-type: none"> <li>Apply the parking brake, and block all four wheels.</li> <li>Start the engine, and let it idle more than 6 seconds, then turn the engine off. Repeat this step three more times.</li> <li>Shift to D while pressing the brake pedal firmly. Press the accelerator pedal for 2 seconds, then let it idle. Repeat this step three more times.</li> <li>Check that the AWD system indicator does not come on. If it does, check for AWD with intelligent control system DTC's .</li> </ol>
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**4. HDS - Connect**

<ol style="list-style-type: none"> <li>After doing all procedures, select the individual maintenance item you wish to reset with the HDS .</li> </ol>
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- Connect the HDS to the DLC (A) located under the driver's side of the dashboard.



2. Press the engine start/stop button to select the ON mode.

Make sure the HDS communicates with the vehicle and the AWD control unit. If it does not, go to the symptom troubleshooting for HDS does not communicate with AWD control unit - Refer to: AWD System Symptom Troubleshooting - HDS does not Courtesy of communicate(AWD) (2013-15), or AWD System Symptom Troubleshooting - HDS HONDA, U.S.A., does not communicate(AWD) (2016-18), .

INC.

## 5. Maintenance Minder - Reset

