



HONDA/ACURA V6 5 SPEED OVERHEATED TORQUE CONVERTER

COMPLAINT: Honda or Acura V6 5 speed applications may come in with the torque converter discolored due to severe overheating, see Figure 1.
The vehicle may come back after transmission repairs with the same complaint. In both instances Diagnostic Trouble Code P0740 for converter clutch slippage may also be stored.

CAUSE: The lack of oil flow which allows the converter clutch to drag when in the released position. The pressure regulator valve must remain in a regulating position that will allow the flow to have adequate converter charge and TCC release oil. When the oil warms and becomes thinner and engine rpm is low, the pressure regulator valve restricts or cuts off the oil flow to the TCC release circuit. The small volume pump that these transmissions use does not help the situation either.

The following is a list of causes for the blue converter syndrome as well as DTC P0740 that will need to be addressed:

1. Pressure Regulator Valve issues, Figure 2.
2. Leaking bore plugs on the Lock-Up Shift and Lock-Up Control Valves.
3. A leaking TC Check Valve which is usually located between the front case half and the main valve body.
4. A restricted fluid warmer for those units that have them mounted on top of the transaxle.
5. A restricted factory inline filter.
6. Warped valve body sections.
7. Wear in the pump gear area.
8. A poor fit between the converter neck o-ring and the inner pump gear.
9. The use of poor quality transmission fluid.

CORRECTION: The following is a list of corrective measures that will cure the blue converter syndrome and the storing of DTC P0740:

1. The use of the Sonnax® Converter Charge Regulated Pressure Regulator Valve, Figure 3.
2. The use of the Sonnax® o-ringed interference fit bore plugs, Figure 4, or using a tubing cutter to expand the bore plug so it fits tightly into the valve bore.
3. The use of the Sonnax® TC Check Valve, Figure 5.
4. Replace the fluid warmer or install an auxiliary cooler.
5. Replace the inline filter.
6. Flat sand all valve body sections
7. Replace the pump if necessary.
8. Use the green o-ring on the converter neck, it is a tighter fit.
9. Use the O.E. or equivalent transmission fluid.

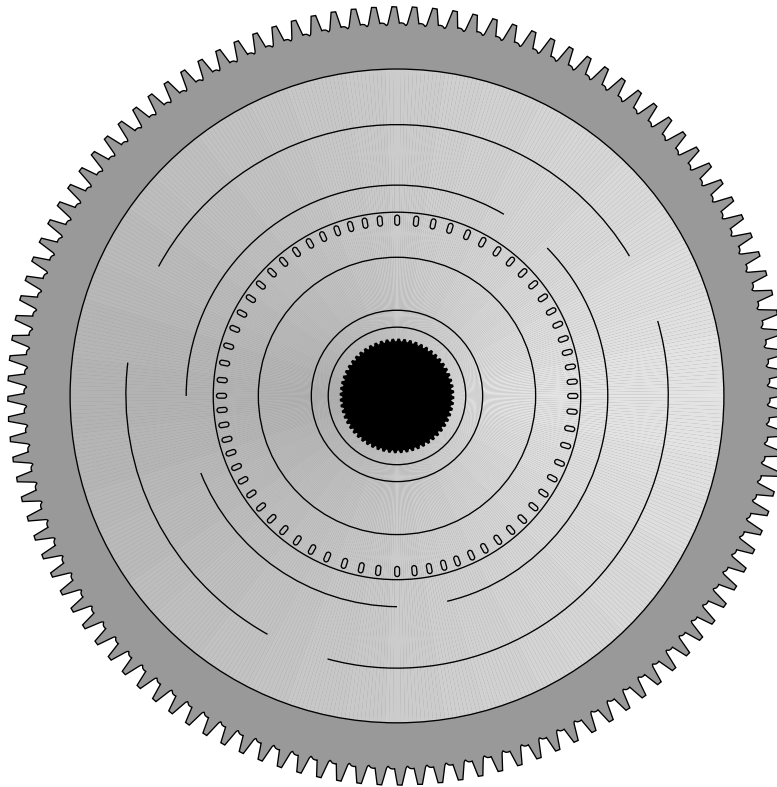
SERVICE INFORMATION:

Sonnax® Converter Charge Regulated Pressure Regulator Valve.....98892-04K
Sonnax® TC Check Valve Kit.....98892-06K
Sonnax® Bore Plug Kit.....98892-01K

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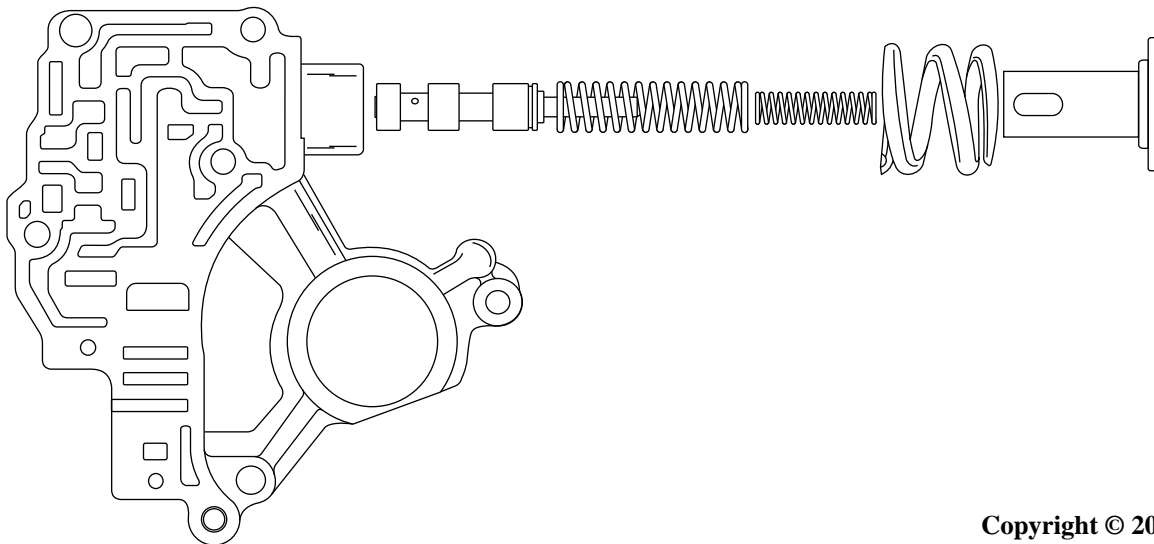
OVERHEATED TORQUE CONVERTER



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Figure 1

PRESSURE REGULATOR VALVE ASSEMBLY



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Figure 2

HONDA/ACURA OVERHEATED TORQUE CONVERTER

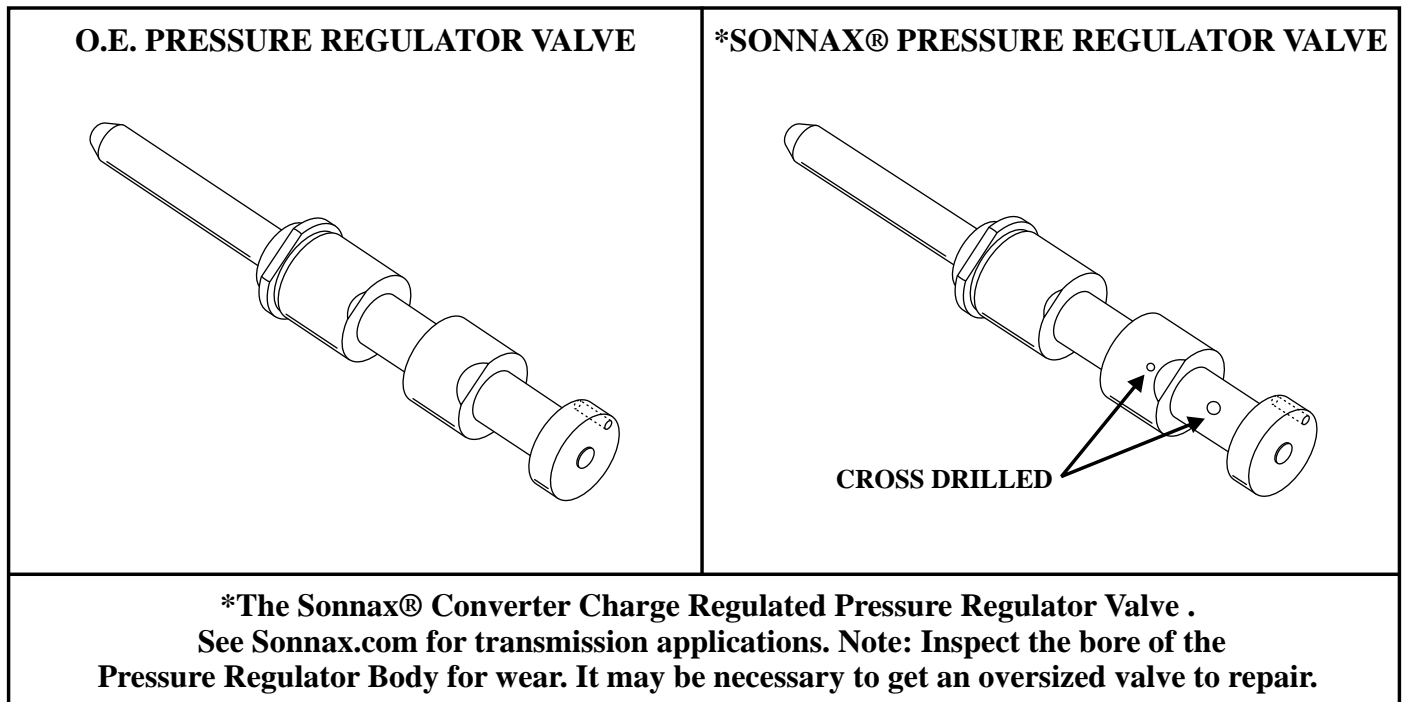


Figure 3

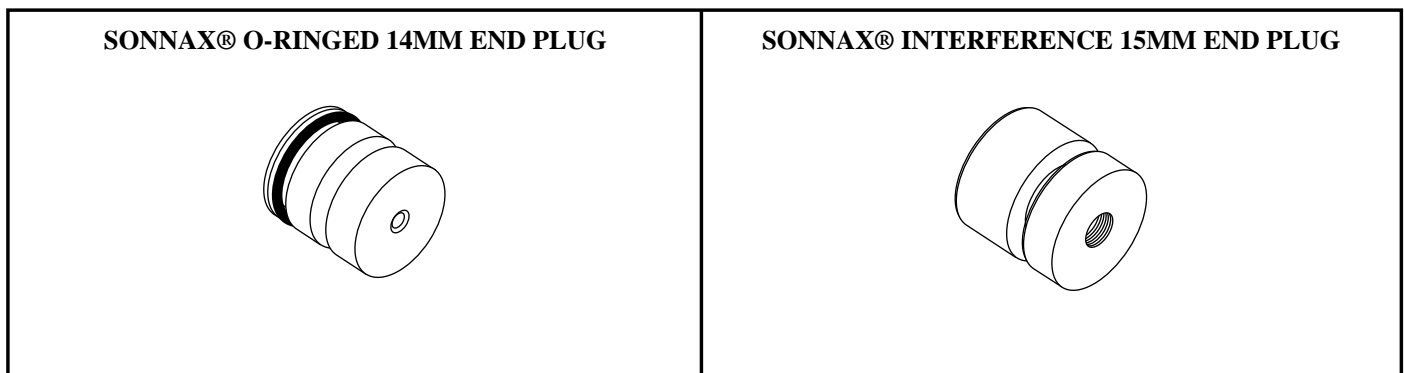


Figure 4

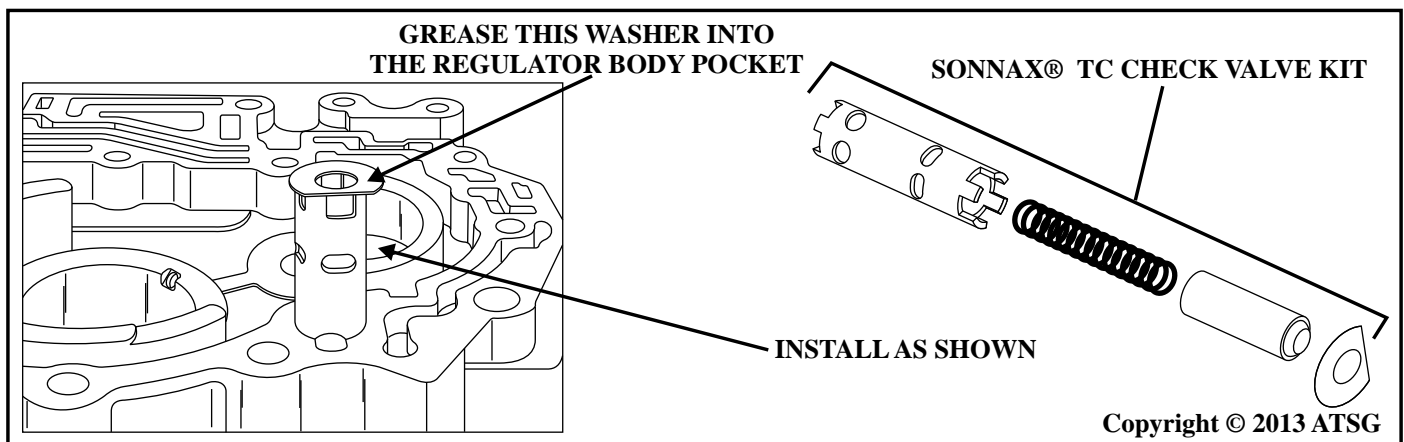


Figure 5