

ATTENTION:
GENERAL MANAGER ☐
PARTS MANAGER ☐
CLAIMS PERSONNEL ☐
SERVICE MANAGER ☐

IMPORTANT - All
Service Personnel
Should Read and
Initial in the boxes
provided, right.

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SUBARU

QUALITY DRIVEN® SERVICE

SERVICE BULLETIN

APPLICABILITY: 2010-12MY Legacy and Outback 2.5L
Models with CVT Transmission

NUMBER: 16-95-15R

DATE: 08/06/15

SUBJECT: Diagnosis Procedure for CVT Chain Slip

REVISED: 12/20/16

INTRODUCTION

This bulletin provides a diagnostic procedure for confirmation of a suspected CVT chain slip condition. Examples of customer concerns may be: abnormal transmission operating sounds, a shudder or vibration sensation, lack of power, hesitation, engine rpm rise without increase in vehicle speed or in isolated cases, a Check Engine Lamp illumination (with engine misfire DTCs stored in the ECM memory).

SERVICE PROCEDURE / INFORMATION

NOTE: The current Service Manual diagnostic procedures for engine misfire DTCs does not identify CVT chain slip as a possible cause.

IMPORTANT: Confirm the TCM has the most updated software version for Primary Pulley Oil Pressure Circuit installed as per TSB 16-93-15. If not, update the TCM as needed before proceeding ther.

- **ALWAYS** road test the vehicle to confirm the customer's concern before beginning this diagnostic procedure.
- Using the SSMMM or 4, select the following data for sampling using High-Speed mode:
 - Engine RPM
 - Turbine Speed
 - Accelerator Opening Angle
 - Front Wheel Speed
 - Primary Pulley Speed
 - **Secondary Pulley Speed**
 - Actual Gear Ratio
 - Actual Secondary Pressure
 - Secondary Set Current
 - Primary UP Duty
 - Primary DOWN Duty
 - Vehicle Speed
 - ATF Temperature
 - Actual Forward and Reverse Linear Solenoid Current

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**CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD
RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.**

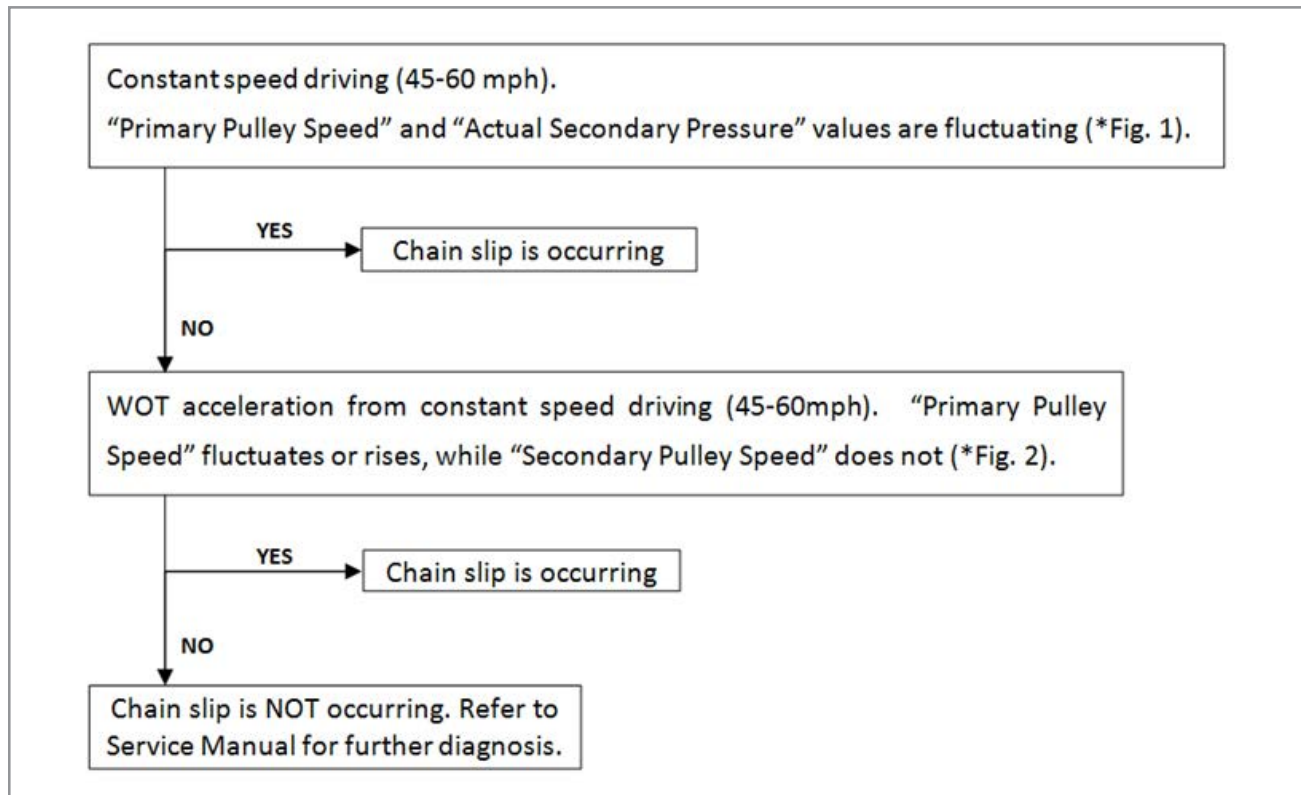
Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.

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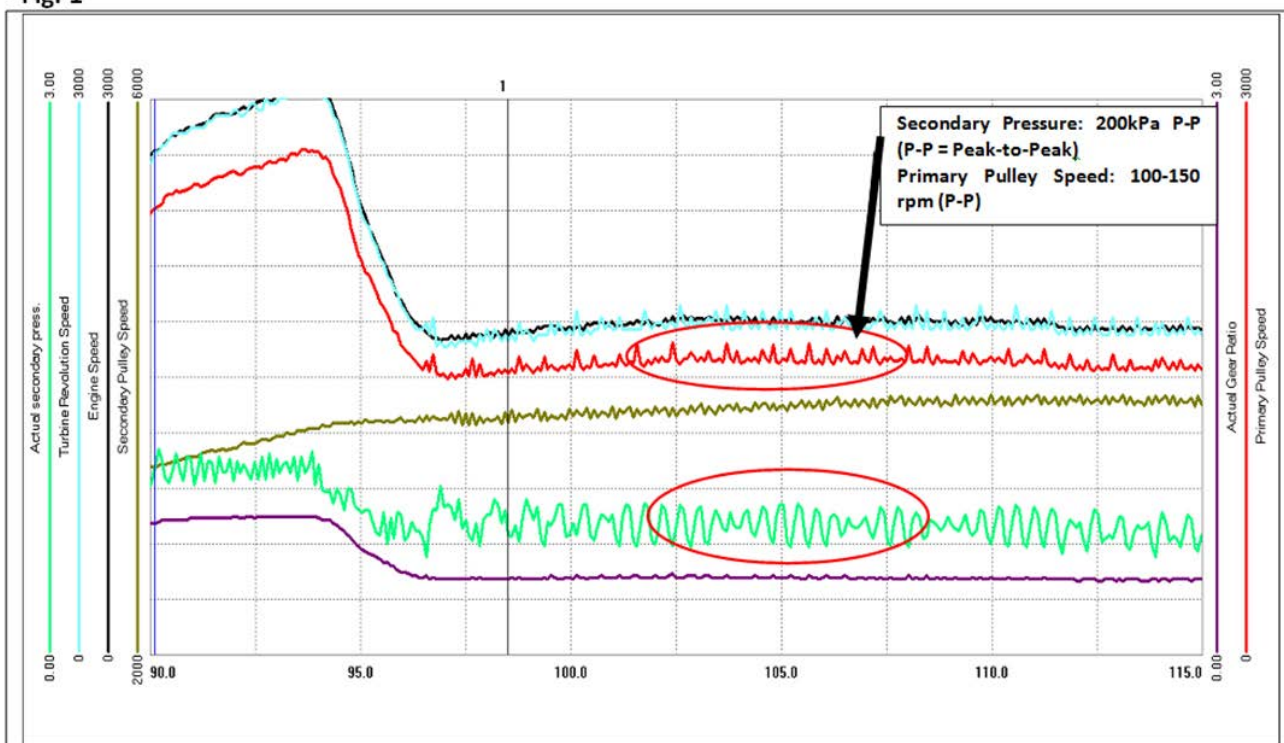
ISO 14001 is the international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.

- With the transmission at operating temperature (CVTF temperature at 140 – 176°F), follow the procedure in the Diagnostic Chart below while driving the vehicle between 40-60 MPH on a flat road surface. Record then mark and save the data when the condition is verified.
- Compare your saved data to sample data graphs provided below to complete your diagnosis.

*Diagnostic Chart

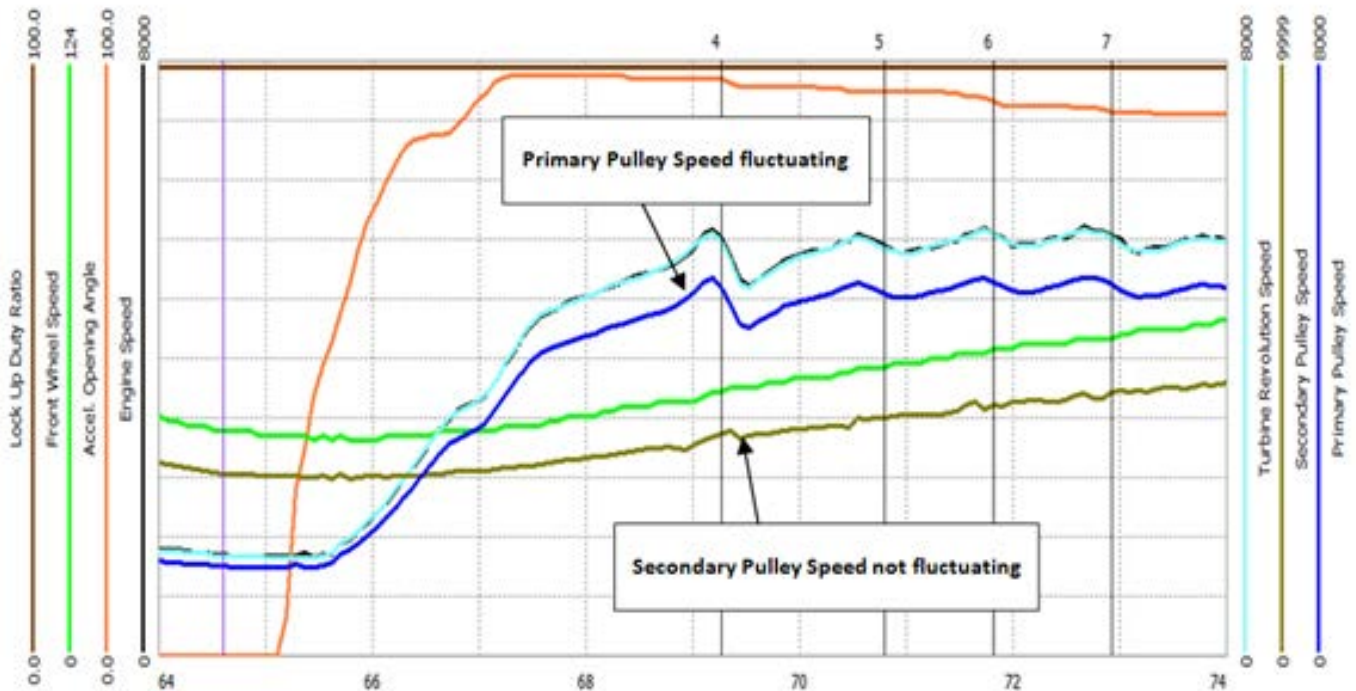


*Fig. 1



Continued...

*Fig 2



- Whenever CVT Chain Slip has been confirmed, replace the CVT assembly following the procedures in the Subaru Claims Policy and Procedure Manual and the applicable Service Manual.

WARRANTY / CLAIM INFORMATION

For vehicles within the Basic New Car Limited or Powertrain Warranty period or vehicles with an active Added Security Classic, Gold or Powertrain plan, this repair may be claimed using the following information:

LABOR DESCRIPTION	LABOR OPERATION #	FAIL CODE	LABOR TIME
NEW CV TRANSMISSION R&R (Includes use of Engine Holding Tool)	B303-001	MQJ-24	3.4
NEW CV TRANSMISSION ASSY. REPLACEMENT (Includes Learning Procedure and flushing the fluid cooler)	C303-041		0.2
CVT ELECTRICAL TESTING and DIAGNOSIS (Can be claimed 1 time only)	C303-711		0.5
REMANUFACTURED CV TRANSMISSION ASSY. R&R (Includes: transfer of all components, adjustments, electrical / line pressure testing, cleaning / flushing of the fluid cooler and lines, Learning Procedure where applicable and completion of necessary exchange unit paperwork)	A139-301	TMA-24	4.9

REMINDER: SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.

Always refer to STIS for the latest service information before performing any repairs.