




**Parts Information**


PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
32000-0C030	Same	Torque Converter	1
00289-ATFWS	Same	ATF WS	6.34 U.S. qts (6.0 liters)

**Required Tools & Equipment**

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
<b>TIS techstream*</b> NOTE: Software version 2.20.015 or later is required. 	ADE	TSPKG1	1

\* Essential SST.

**NOTE:**  
**Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.**

SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
<b>Transmission Fill System*</b> NOTE: All components from this kit/set are required. 	00002-11100-02	1	-

\* Essential SST.

\*\* Drawer number in SST Storage System.

**NOTE:**  
**Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.**

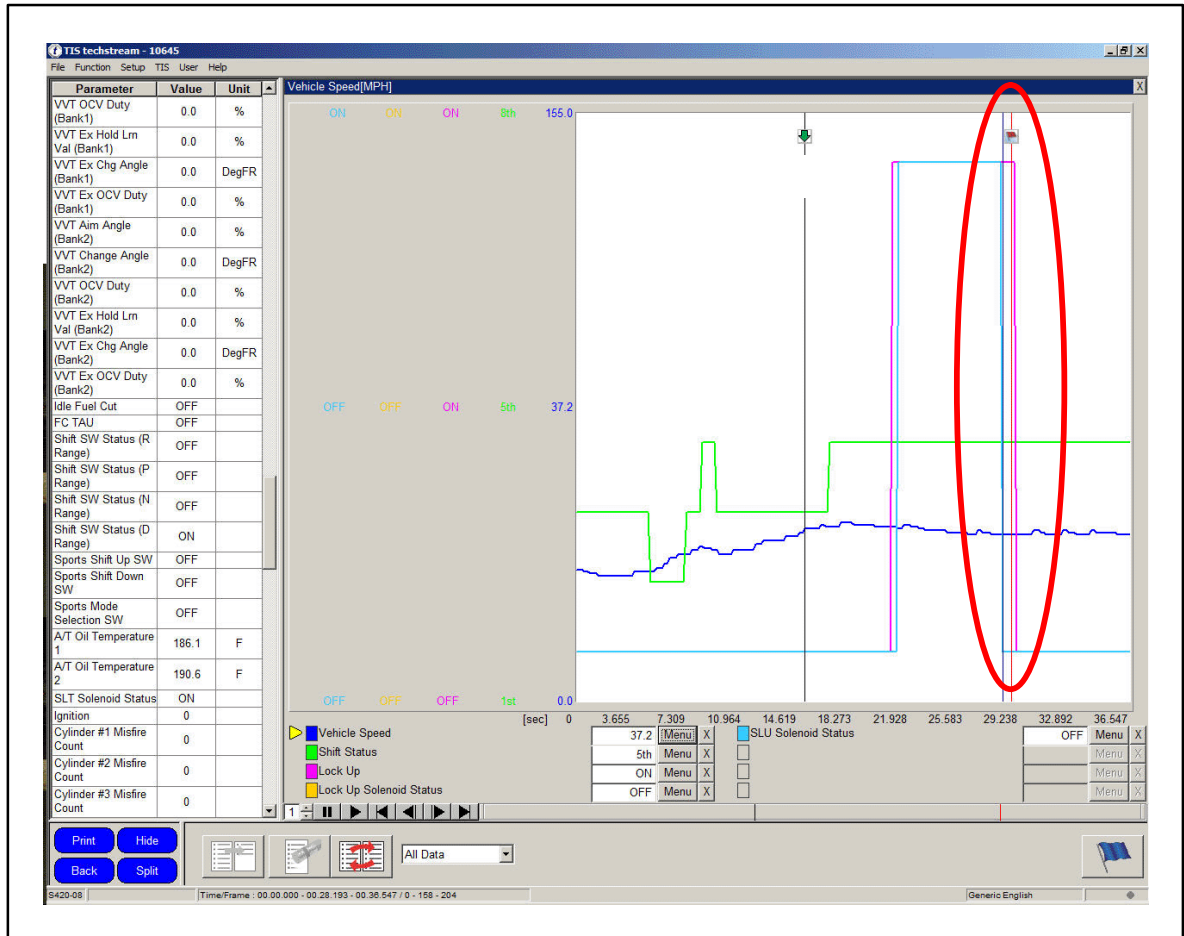
**Repair Procedure**

- Connect Techstream to the vehicle and perform Health Check. Confirm NO DTC(s) are stored in the ECM (SAE term: Powertrain Control Module/PCM).  
 Are there any DTC(s) present in the ECM (PCM)?
  - If **YES** — This TSB does NOT apply. Refer to the Technical Information System (TIS) and diagnose DTC(s).
  - If **NO** — Go to Step 2.
- Test drive the vehicle and confirm customer complaint of shudder.
- Use Techstream to take a snapshot when shudder is occurring to confirm if shudder is occurring during flex lockup.  
 Configure snapshot as follows:  
**30 Second Duration**  
**Trigger Point at Midpoint**

**NOTE:**  
**Refer to the University of Toyota online training class P901C “Techstream InDepth” for information about taking snapshots and graphing snapshots on Techstream.**

**Repair Procedure**  
(Continued)

4. Use Data List and the graphing functions of Snapshot to confirm the following data parameters when the shudder condition occurs:
  - Vehicle Speed
  - Shift Status
  - Lock Up
  - Lock Up Solenoid Status
  - SLU Solenoid Status



- If the shudder occurs with Lock Up “ON”, Lockup Solenoid Status “OFF”, and SLU Solenoid Status “OFF”, then the shudder is related to torque converter flex lockup. **Go to step 5.**
- If the shudder occurs with Lock Up “OFF”, Lock Up Solenoid Status “OFF”, and SLU Solenoid Status “OFF”, then the condition is **NOT** related to torque converter flex lockup and this **TSB DOES NOT APPLY**. Continue diagnosis to identify the root cause for this shudder.

**Repair  
Procedure**  
(Continued)

5. Replace the torque converter.  
Refer to TIS, 2007 or 2008 model year Tundra Repair Manual:
  - 2WD transmission:
    - *Drivetrain – Automatic Transmission/Transaxle – “AB60E Automatic Transmission: Automatic Transmission Assembly: Removal”*
    - *Drivetrain – Automatic Transmission/Transaxle – “AB60E Automatic Transmission: Automatic Transmission Assembly: Installation”*
  - 4WD transmission:
    - *Drivetrain – Automatic Transmission/Transaxle – “AB60F Automatic Transmission: Automatic Transmission Assembly: Removal”*
    - *Drivetrain – Automatic Transmission/Transaxle – “AB60F Automatic Transmission: Automatic Transmission Assembly: Installation”*
6. Adjust the transmission fluid level in the transmission.  
Refer to TSB No. TC009–07, “*Transmission Fluid Level*”, to properly adjust the transmission fluid level.

**NOTE:**

**Failure to use WS transmission fluid and to properly adjust transmission fluid level can cause transmission shifting issues, M.I.L. “ON”, and/or transmission damage.**

7. Test drive the vehicle and confirm the shudder condition is eliminated.