

Automatic Transmission/Transaxle Fluid Level Inspection Temperature Ranges

Service
Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 – 2008	FJ Cruiser	Transmission(s): 5AT
2005 – 2008	Tundra	Transmission(s): 5AT, 6AT
2007 – 2008	Camry	Transmission(s): 6AT
2005 – 2008	Tacoma	Transmission(s): 5AT
2004 – 2008	4Runner	Transmission(s): 5AT
2005 – 2008	Sequoia	Transmission(s): 5AT, 6AT
2004 – 2008	Land Cruiser	Transmission(s): 5AT, 6AT
2008	Avalon	Transmission(s): 6AT

Introduction

For vehicles equipped with a transmission requiring the use of the overflow type automatic transmission fluid (ATF) inspection process, the ATF must be within a specific temperature range for accurate fluid level inspection. Inspecting the ATF outside of the specified temperature range may result in incorrect ATF fluid levels and could lead to shift quality, M.I.L. "ON", and/or transmission damage issues. Please see the information in this bulletin for updated ATF level inspection temperature ranges.

HINT

For additional information including animations and video illustrations, please see the Technical Training course E076: *"Toyota ATF Level Inspection"*.

NOTE

Please see TSB No. [TC010-07](#), *"World Standard Automatic Transmission Fluid"*, for important tips when working with ATF WS.

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
00289-ATFWS	Same	ATF WS	As needed

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS techstream* NOTE: Software version 3.01.000 or later is required.	ADE	TSPKG1	1

* Essential SST.

NOTE

Additional TIS techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
Transmission Fill System*	00002-11100-02	1

* Essential SST.

NOTE

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

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ATF Level Inspection Temperature Range Table

MODEL	ENGINE	DRIVE- LINE	TRANS/TYPE		ATF TEMPERATURE RANGE °F (°C)									
					2008		2007		2006		2005		2004	
					MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
4Runner	1GR-FE	2WD	A750E	5AT	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	—	—
		4WD	A750F										—	—
	2UZ-FE	2WD	A750E										97° (36°)	115° (46°)
		4WD	A750F											
Avalon	2GR-FE	2WD	U660E	6AT	104° (40°)	113° (45°)	—	—	—	—	—	—	—	—
Camry	2GR-FE	2WD	U660E	6AT	104° (40°)	113° (45°)	104° (40°)	113° (45°)	—	—	—	—	—	—
FJ Cruiser	1GR-FE	2WD	A750E	5AT	97° (36°)	115° (46°)	97° (36°)	115° (46°)	—	—	—	—	—	—
		4WD	A750F						—	—	—	—	—	—
Land Cruiser	2UZ-FE	4WD	A750F	5AT	—	—	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)
	3UR-FE		AB60F	6AT	109° (43°)	118° (48°)	—	—	—	—	—	—	—	
Sequoia	2UZ-FE	2WD	A750E	5AT	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	—	—
		4WD	A750F										—	—
	3UR-FE	2WD	AB60E	6AT	99° (37°)	111° (44°)	—	—	—	—	—	—	—	
		4WD	AB60F				—	—	—	—	—	—	—	
Tacoma	1GR-FE	2WD	A750E	5AT	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	—	—
		4WD	A750F										—	—
Tundra	1GR-FE	2WD	A750E	5AT	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	97° (36°)	115° (46°)	—	—
	2UZ-FE		A750F										—	—
		3UR-FE	2WD	AB60E	6AT	99° (37°)	111° (44°)	115° (46°)	133° (56°)	—	—	—	—	—
	4WD		AB60F	—						—	—	—	—	—