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IMPORTANT WARRANTY INFORMATION

REF 16-039

Effective 01/01/2017

Release 12/19/2016

SUBJECT Detroit DT12 Transmission Standard Repair Time Updates

❖ Overview

As a result of streamlined Power Service Literature (PSL) service methods and the associated time study data, DTNA is creating many new as well as adjusting several existing Standard Repair Times (SRTs) for Detroit DT12 transmissions. The new and updated labor times will be applied to claims filed for repair orders opened on or after January 1, 2017.

Use PSL for the appropriate service method; refer to the tables that follow for more information:

- DT12 transmission series/service models impacted by the new and updated SRTs – page 1
- Images and summaries of the new SRTs – pages 1-2
- Images and summaries of the updated SRTs – pages 2-4
- Comparison of current hours with updated hours – pages 4-5

❖ Affected Service Models

The following Freightliner and Western Star service models will be impacted by the new and updated SRTs:

Service Model	Transmission Series
F12	ALL
W05	ALL

❖ New SRTs

The table below provides images and descriptions for the new SRTs created for DT12 transmissions.

Labor Code	Description	
SRT 342-6320M	SPEEDOMETER TONE RING REMOVAL & REPLACEMENT (R&R)	
Summary: Replacing the transmission output shaft tone ring. Includes disconnecting the driveline, yoke removal and installation (R&I), replacing the output shaft tone ring, and re-installing the driveline.		
Labor Code	Description	
SRT 342-6315M	OUTPUT SHAFT SEAL R&R	
Summary: Replacing the transmission output shaft seal. Includes disconnecting the driveline, yoke R&I, replacing the output shaft seal, and re-installing the driveline.		
Labor Code	Description	
SRT 180-6020C	CLUTCH POSITION SENSOR R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, clutch actuator (CPCA) R&I, replacing the clutch actuator position sensor, and performing a learn procedure.		

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Labor Code	Description	
SRT 180-6020B	CLUTCH ACTUATOR ASSEMBLY R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, replacing the CPCA, and performing a learn procedure.		
Labor Code	Description	
SRT 342-6035B	INPUT SHAFT SEAL R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, CPCA, and input shaft seal housing for replacing the input shaft seal.		
Labor Code	Description	
SRT 342-6045B	COUNTERSHAFT BRAKE VALVE R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, disconnecting the countershaft brake housing air line, and replacing the countershaft brake valve.		
Labor Code	Description	
SRT 342-6045E	COUNTERSHAFT BRAKE HOUSING SEAL R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, disconnecting the countershaft brake housing airline, countershaft brake housing R&I, and replacing the countershaft brake housing seal.		
Labor Code	Description	
SRT 342-6030Q	SPLIT PIN BUSHING INSTALLATION	
Summary: Includes removing all inhibiting components in order to R&I the transmission and shift controller to gain access to the split shift pin for bushing installation.		

❖ Updated SRTs

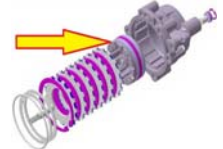
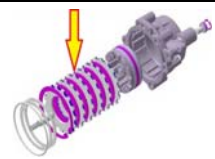
The table below provides images and descriptions for the revised DT12 transmission SRTs.

Labor Code	Description	
SRT 342-6010D	TRANSMISSION R&R	
Summary: Includes removing all inhibiting components in order to remove the transmission, swap components to the replacement transmission, installation of the replacement transmission, and performing a learn procedure.		
Labor Code	Description	
SRT 342-6030N	SHIFT CONTROLLER R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission to gain access to the shift controller for replacement and performing a learn procedure.		
Labor Code	Description	
SRT 342-6030P	SHIFT ACTUATOR SEAL R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, shift controller R&I, and replacing the shift actuator seal.		
Labor Code	Description	
SRT 342-6040N	Transmission Control Module (TCM) R&R	
Summary: Includes removing battery cables and necessary connections to allow TCM R&I and performing a learn procedure.		

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Labor Code	Description	
SRT 342-6065N	OIL TEMPERATURE SENSOR R&R	
Summary: Includes removing battery cables and topping off lost transmission oil during sensor R&R.		
Labor Code	Description	
SRT 342-6065P	COUNTERSHAFT SPEED SENSOR R&R	
Summary: Includes removing battery cables and topping off lost transmission oil during sensor R&R.		
Labor Code	Description	
SRT 342-6065R	RANGE POSITION SENSOR R&R	
Summary: Includes removing battery cables, sensor R&R, and performing a learn procedure.		
Labor Code	Description	
SRT 342-6065S	AIR PRESSURE SENSOR R&R	
Summary: Includes removing battery cables, draining the air system, and sensor R&R.		
Labor Code	Description	
SRT 342-6270C	RANGE CYLINDER PISTON SEAL R&R	
Summary: Includes unhooking battery cables, range cylinder housing R&I, and removing and installing the seal for the range cylinder piston.		
Labor Code	Description	
SRT 342-6270B	RANGE CYLINDER R&R	
Summary: Includes removing battery cables, range cylinder housing R&I, and performing a learn procedure.		
Labor Code	Description	
SRT 180-6012C	CLUTCH R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, clutch replacement, pilot bearing R&R, and performing a learn procedure.		
Labor Code	Description	
SRT 342-6320N	YOKE R&R	
Summary: Replacing the transmission output shaft yoke. Includes disconnecting the driveline, yoke R&R, and driveline re-installation.		
Labor Code	Description	
SRT 342-6045C	COUNTERSHAFT BRAKE PISTON SEALS R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, disconnecting the countershaft brake housing air line, countershaft brake housing R&I, and replacing the countershaft brake piston.		
Labor Code	Description	
SRT 342-6045D	COUNTERSHAFT BRAKE DISK SET R&R	
Summary: Includes removing all inhibiting components in order to R&I the transmission, disconnecting the countershaft brake housing air line, countershaft brake housing R&I, and replacing the countershaft brake disk set.		

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Labor Code	Description	
SRT 342-6065T	MAINSHAFT SPEED SENSOR R&R	 Mainshaft Speed Sensor
Summary: Includes removing all inhibiting components in order to R&I the transmission, oil pump, and range housing to replace the main shaft speed sensor.		
Labor Code	Description	
SRT 342-6311B	AIR PRESSURE FITTINGS R&R	
Summary: Includes replacing the air harness fittings.		
Labor Code	Description	
SRT 342-6310B	AIR HARNESS R&R	
Summary: Includes replacing the air harness/lines.		
Labor Code	Description	
SRT 342-6055A	WIRE HARNESS R&R	
Summary: Replacing the transmission electrical harness. Includes R&I of inhibiting fairings and splash shields, after treatment device (ATD) inlet pipe and exhaust bracket, and replacing the transmission electrical harness.		

❖ **SRT
Hour
Changes**

The table below displays the current and updated times for the revised DT12 transmission SRTs.

TRANSMISSION R&R (SRT 342-6010D)		
Service Model	Current Hours	Updated Hours
F12	7.7	6.8
W05	7.7	7.6
SHIFT CONTROLLER R&R (SRT 342-6030N)		
Service Model	Current Hours	Updated Hours
F12	2.1	6.8
W05	2.1	7.7
SHIFT ACTUATOR SEAL R&R (SRT 342-6030P)		
Service Model	Current Hours	Updated Hours
F12	2.1	6.9
W05	2.1	7.7
TCM R&R (SRT 342-6040N)		
Service Model	Current Hours	Updated Hours
F12	0.9	1.0
W05	0.9	1.3
OIL TEMPERATURE SENSOR R&R (SRT 342-6065N)		
Service Model	Current Hours	Updated Hours
F12	0.6	0.6 (no change)
W05	0.6	0.8
COUNTERSHAFT SPEED SENSOR R&R (SRT 342-6065P)		
Service Model	Current Hours	Updated Hours
F12	0.8	0.7
W05	0.8	0.9
RANGE POSITION SENSOR R&R (SRT 342-6065R)		
Service Model	Current Hours	Updated Hours
F12	0.5	0.6
W05	0.5	0.8
AIR PRESSURE SENSOR R&R (SRT 342-6065S)		
Service Model	Current Hours	Updated Hours
F12	0.5	0.5 (no change)
W05	0.5	0.9

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RANGE CYLINDER PISTON SEAL R&R (SRT 342-6270C)		
Service Model	Current Hours	Updated Hours
F12	0.5	0.7
W05	0.5	0.9
RANGE CYLINDER R&R (SRT 342-6270B)		
Service Model	Current Hours	Updated Hours
F12	0.7	0.9
W05	0.7	1.0
CLUTCH R&R (SRT 180-6012C)		
Service Model	Current Hours	Updated Hours
F12	8.2	7.2
W05	8.2	8.4
YOKE R&R (SRT 342-6320N)		
Service Model	Current Hours	Updated Hours
F12	1.1	1.7
W05	1.1	1.7
COUNTERSHAFT BRAKE PISTON SEALS R&R (SRT 342-6045C)		
Service Model	Current Hours	Updated Hours
F12	7.9	6.8
W05	7.9	7.7
COUNTERSHAFT BRAKE DISK SET R&R (SRT 342-6045D)		
Service Model	Current Hours	Updated Hours
F12	7.9	6.8
W05	7.9	7.7
MAINSHAFT SPEED SENSOR R&R (SRT 342-6065T)		
Service Model	Current Hours	Updated Hours
F12	9.0	7.8
W05	9.0	8.7
AIR PRESSURE FITTINGS R&R (SRT 342-6311B)		
Service Model	Current Hours	Updated Hours
F12	1.0	0.8
W05	1.0	0.7
AIR HARNESS R&R (SRT 342-6310B)		
Service Model	Current Hours	Updated Hours
F12	0.9	0.8
W05	0.9	1.1
WIRE HARNESS R&R (SRT 342-6055A)		
Service Model	Current Hours	Updated Hours
F12	1.1	3.0
W05	1.1	1.9

The new and updated SRTs are available in the applicable Labor Time Guide as well as at www.ddcsn.com > Warranty > Warranty Applications > Warranty System > Labor > SRTs > SRT Search. Any questions or feedback regarding SRTs may be addressed through the Warranty Support Center > Detroit Inquiries.

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