

truck engine news

product support information for Cat truck engine users

17 May 2013

Table of Contents

Supplements

C13 (S/N: KCB1-Up; LEE1-Up) C15 (S/N: SDP1-Up; BXS1-Up; MXS1-Up; NXS1-Up)

i05339245

New Turbochargers and Accessories Are Now Used on Certain High Horsepower C13 Truck Engines

SMCS Code: 1052; 1053

Engine: C13 (S/N: LEE1-Up)

Description Of Change: When ordering the new high horsepower turbochargers for C13 engines, additional parts need to be ordered to make the proper repair.

Adaptable To: The new 20R-1176 Turbocharger Gp is a direct replacement for the existing 357-2110 Turbocharger Gp and the 20R-0579 Turbocharger Gp for the serial numbers listed above.

Refer to the tables below for the correct part numbers needed to make the repair.

Note: Failure to install the new turbocharger drain line can cause the turbocharger seal to fail and pass oil into the air system.

The new parts listed in the tables are adaptable back to the first production of the above listed truck engines. The change is effective at the factory with the truck engine serial numbers LEE24965-Up.

C13 High Horsepower - High Mount			
Part Number	Description	Quantity	
20R - 1176	Turbocharger Gp	1	
392-6271	Tube As	1	
392-6272	Tube As	1	
246-6036	Hose	1	

Table 2

C13 High Horsepower - Mid Mount			
Part Number	Description	Quantity	
20R-1176	Turbocharger Gp	1	
396-6214	Tube As	1	
392-6272	Tube As	1	
395-1640	Hose	1	

Table 3

C13 High Horsepower - Low Mount			
Part Number	Description	Quantity	

(Table 3, contd)

20R - 1176 Turbocharger Gp		1
396-6215	Tube As	1
392-6272	Tube As	1
395-1640	Hose	1

Table 4

MCI Bus - High Mount			
Part Number	Description	Quantity	
20R-1176	Turbocharger Gp	1	
396-6216	Tube As	1	
419-3611	Oil Filler Tube	1	
395-1640	Hose	1	

Table 5

Low Cab - Forward Mid Mount			
Part Number	Description	Quantity	
20R-1176	Turbocharger Gp	1	
396-6217	Tube As	1	
392-6272	Tube As	1	
395-1640	Hose	1	

Supplements

The following information has changed since it was last published:

i05341508

Replacement of the Variable Valve Actuator Assembly at Overhaul Is Recommended on Certain On-Highway Truck Engines

SMCS Code: 1130

Engine:

C11 (S/N: KCA1-Up) C13 (S/N: KCB1-Up; LEE1-Up) C15 (S/N: SDP1-Up; BXS1-Up; MXS1-Up; NXS1-Up)

Truck Engine News, SEBD6880, May 2013, "Replacement of the Variable Valve Actuator Assembly at Overhaul Is Recommended on Certain On-Highway Truck Engines". Disregard this article. See the article that follows. Two part numbers have changed. 10R-6991 was changed to 10R-6691 and 10R-6992 was changed to 10R-6692.

The Variable Valve Actuator (VVA) assembly should be replaced when the engine is being overhauled. Replacing the VVA assembly eliminates soot buildup and reduces wear on internal components. The On-Highway truck engines that are using Overhaul Protection for Truck (OPT) are now required to replace VVA assembly during overhaul.

Refer to the table below to match the correct serial number prefix to the corresponding part number. Table 1

Platform Engine	S/N Prefix	Reman Part Number	New Part Number	Part Name
C11/C13	KCA, KCB	10R-6334	348-7907	Valve Actuator
C11/C13	KCA, KCB	10R-6335	348-7905	Valve Actuator with 12 v brake
C11/C13	KCA, KCB	10R-6336	348-7904	Valve Actuator with 24 v brake
C13	LEE	10R-6690	348-7907	Valve Actuator

(Table 1, contd)				
C13	LEE	10R-6691	348-7900	Valve Actuator with 12 v brake
C13	LEE	10R-6692	348-7899	Valve Actuator with 24 v brake
C15	BXS	10R-3578	305-0656	Valve Actuator
C15	MXS, NXS, SDP	20R-0270	330-1916	Valve Actuator
C15	MXS, NXS, SDP	20R-0271	352-1611	Valve Actuator with 12 v brake
C15	MXS, NXS, SDP	20R-0272	320-6965	Valve Actuator with 24 v brake



SEBD6881 CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow", and the POWER EDGE trade ©2013 Caterpillar dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.