

## SERVICE

# EPP BULLETIN

Americas North, Americas South and Asia Pacific

## Machines

### ➤ **Certified Machine Component Rebuild (CMCR)**

Bulletin discontinued. Effective 01Jan13, refer to Bulletin 8.54.

#### Overview

This Equipment Protection Plan covers designated machine components. The program reimburses for labor that begins at the first date of service and parts after the parts warranty. Parts for Certified Machine Component Rebuild (CMCR), Cat remanufactured components and Cat new components are covered by parts warranty for the first six months. Three components are eligible; engines, torque converters and transmissions. The component must be sourced from CMCR, Cat remanufactured components or Cat new components. The torque converter and transmission share an oil supply and must be rebuilt or replaced and enrolled at the same time. If the engine is rebuilt or replaced, a separate enrollment for the engine is needed. Only machines with serial numbers that are included in the Cat Certified Rebuild Program are eligible. For a list of eligible models, please visit: <https://dealer.cat.com/cda/layout?m=20009&x=7>

#### Certified Machine Component Rebuild (CMCR)

For Dealers to perform a Certified Machine Component Rebuild, they must be authorized under the terms of an agreement with Caterpillar. The rebuild process includes specific Caterpillar requirements such as:

- Parts that must always be replaced, **and**
- Procedures and quality checks which must be performed, **and**
- Product engineering updates that must be incorporated.
- Ensure all open PIPs are completed and reported against the original serial number during the certified rebuild process.
- Component removed and installed by the dealer.
- Enrolled in the Dealer's scheduled oil sampling program for the duration of the CMCR Equipment Protection Plan coverage period.

It involves a complete disassembly of the component(s). All paint is removed. Parts that do not meet minimal standards are either replaced or reconditioned. Upon reassembly, the entire component is repainted including installation of all new decals.

➤ **08.91-00 (08/15)**  
<https://warranty.cat.com/wtyguide>

➤ **Indicates change.**

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Dealer and Dealers are defined as any Cat Authorized Dealer or Cat Authorized Repair Representative.

## Machine Component Enrollment Request

Prior to commencing a CMCR, the authorized Dealer submits to Caterpillar a CMCR Enrollment Request.

## Machine Component Delivery Notice

Upon receipt of the Enrollment Request, Caterpillar requires the Dealer to submit a Delivery Notice form at the time the component has been installed in the machine and delivered to a customer. The Delivery Notice is used to notify Caterpillar that the machine has been delivered to a customer. It also indicates if the component was sold with a CMCR Equipment Protection Plan. The Dealer is responsible for the CMCR Equipment Protection Plan enrollment through the Machine Enrollment Registration (MER) process. The date of delivery specified by the Dealer on the Delivery Notice is used as the coverage start date for the standard warranty period and the CMCR Equipment Protection Plan coverage period. The PIS delivery date remains as the original delivery date.

## Coverage Options

Several coverage periods are available and start at the delivery date. Please visit:

Americas North: <https://catinsurance.cat.com/cda/layout?m=290984&x=7>

Americas South: <https://lacd.cat.com/cda/layout?m=129205&x=7>

Asia Pacific: <https://apdnet.cat.com/cda/layout?m=337095&x=7>,

## Enrollment

Enrollment in the CMCR Equipment Protection Plan must be done within 30 days of the date the machine was delivered to the customer using the on-line MER process ([Claims: https://claims.cat.com](https://claims.cat.com)). Dealers must keep a copy of the customer signed Delivery Notice on file for verification if requested by Caterpillar.

In the Findings/Comment field, enter the CC code located under the coverage period on the pricing tables.

In the claim story, enter the serial number of the component(s) and the source of the component(s) (Certified Machine Component Rebuild (CMCR), Cat Remanufactured component, or Cat new component). When enrolling a torque converter and transmission, include the serial number of both components.

To obtain prices for the applicable coverage, please visit:

Americas North: <https://catinsurance.cat.com/cda/layout?m=290984&x=7>

Asia Pacific: <https://apdnet.cat.com/cda/layout?m=337095&x=7>

Americas South: <https://lacd.cat.com/cda/layout?m=129205&x=7>

## Covered Components

A complete listing of covered SMCS codes is located at the end of this document. There are separate lists for each of the three eligible components: engines, torque converters, and transmissions. Parts that are not covered include: external hoses and lines, the engine radiator and engine attachments (i.e. alternator, starter, air compressor and air conditioner compressor).

## Validating Coverage

Dealers can verify CMCR Equipment Protection Plan enrollment in Caterpillar's on-line computer system using the Dealer Service System (SIMSi) just like any other coverage. The coverage / customer information screens will show the coverage start date for the CMCR Equipment Protection Plan, the coverage details including CMCR Equipment Protection Plan terms and the customer name and address.

## Resold or Transferred Machines

Contact Caterpillar Certified Rebuild Products with questions about machines that will be resold or moved outside the selling Dealer's territory during the Equipment Protection Plan coverage period.

## Wearout and Extent of Repair

Wearout and normal deterioration is not covered. Such occurrences are not due to defects in the material or workmanship.

The intent is not to restore the product to a like-new condition but rather to restore the product to its operating condition just prior to the covered failure. The repair or replacement of the failed part or component and any associated resultant damaged parts are covered. Other parts removed in the process of repair will be reinstalled as is unless the customer authorizes the additional cost at the customer's expense.

## Dealer Reimbursement During the Parts Standard Warranty

### Cat Remanufactured or Cat new parts installed in the Cat CMCR

During the first 6-months, Parts Standard Warranty will reimburse the Dealer for defects in material and workmanship for Cat Remanufactured or Cat new parts installed in the CMCR; please refer to Bulletin 4.01.

**Americas North** - CMCR Equipment Protection Plan will reimburse labor at the Dealer's registered selling labor rate for replacement of covered parts.

Americas South – CMCR Equipment Protection Plan will reimburse labor at the Dealer's registered selling labor rate for replacement of covered parts.

**Asia Pacific** - CMCR Equipment Protection Plan will reimburse labor at the Dealer's warranty cost rate for replacement of covered parts.

### Re-used parts installed during rebuild:

**Americas North** - During the first six months, the Dealer will not be reimbursed for parts or labor to make repairs if a reused part causes a failure.

Americas South - During the first six months, the Dealer will be reimbursed for re-used parts at Dealer Net (D/N) and labor to make repairs if a re-used part causes a failure.

**Asia Pacific** - During the first six months, the Dealer will be reimbursed for re-used parts at D/N and labor to make repairs if a re-used part causes a failure.

## Unique Claim Field Information for CMCR

The Unique Claim Field Information that is required for parts warranty claims associated with CMCR Equipment Protection Plan is outlined below:

**Delivery Date** - Always leave blank.

**Parts Start Date** - Always leave blank.

**Product Hr/Mi/Km** - Enter the hours shown on the service hour meter.

**Parts Hr/Mi/Km** - Enter the machine hours accumulated since enrollment in this CMCR Equipment Protection Plan program.

**Parts Expense Lines** - To claim for each resultant damaged part number that will only be partially allowed at 33 1/3% D/N price, Dealers must enter a parts expense line with the following unique claim field information:

**Comp Code** - In the first 2 digits enter the letters RD that stands for resultant damage.

**Unit Cost** - With RD being entered in the COMP field, the Service Claim System will automatically calculate the 33 1/3% D/N price and enter that amount in this field.

**Claim Story** -In addition to the usual description of the complaint, cause, correction and complication for the repair, the first line of the claim story should state: "This claim is in conjunction with CMCR Equipment Protection Plan, component serial number XXX99999."

## Dealer Reimbursement After the Parts Standard Warranty

After the 6-month parts standard warranty, Dealer reimbursement for covered repair expenses related to the Equipment Protection Plan - CMCR will be per the Summary of Reimbursement Practices Chart found below and in accordance with applicable Reimbursement Practices as outlined in Bulletin 1.02.

CMCR Summary of Reimbursement Practices	
Repair Expense	Allowance & Rate
Parts	Reimbursable at C/L in Americas North and D/N in Asia Pacific .
Service Items	Reimbursable at Dealer/acquisition cost, if made unusable.
Parts Service Charges	Reimbursable.
Repair Labor	Reimbursable at Dealer's registered selling labor rate in Americas North and warranty cost rate in Asia Pacific.
Parts Salvage Labor	Reimbursable at Dealer's registered selling labor rate in Americas North and warranty cost rate in Asia Pacific, if justified.
Outside Repair Expenses	Reimbursable, at cost.
Shop Supplies	Not reimbursable as an itemized expense.
Overtime Labor Rate, Travel Time & Mileage, Meals & Lodging, Freight Charges and Hauling Costs	Not Reimbursable.

## Unique Claim Field Information for CMCR

The Unique Claim Field Information that is required when submitting an After the Parts Standard Warranty claims associated with CMCR Equipment Protection Plan is outlined below:

**Delivery Date** - Always leave blank.

**Parts Start Date** -Always leave blank.

**Product ID / Serial No.** - enter the machine serial number

**Products Hr/Mi/Km** - enter the total machine hours shown on the service hour meter.

**Parts Hr/Mi/Km** - enter the part hours.

**Claim Story** -In addition to the usual description of the complaint, cause, correction and complication, the first line of the claim story should state:

- "This claim is in conjunction with CMCR Equipment Protection Plan, component serial number XXX99999."

## Parts Book Component Codes

At the bottom of each page on all Caterpillar® Parts Books (paper or electronic), is printed a four-digit numeric SMCS component code. These component codes are used to describe the area of primary use for the parts and/or components listed on that page.

The SMCS component codes can be used as a mechanism for helping to determine if a failed part may be considered part of the CMCR.

On the following pages are the SMCS component codes in numeric order that are covered under the CMCR Equipment Protection Plan. For CMCR qualification, the component code listed on the parts book page should be compared to this list of acceptable components.

**NOTE:** Sometimes a parts book page with an acceptable component code will include parts that are not covered and parts that are broken out on another parts book page (i.e. brakes). When in doubt, contact a Caterpillar Warranty Analyst for clarification.

## Use of Parts Book Component Code on Labor Expense Lines

Caterpillar simplified some of the SMCS component codes by phasing out and combining certain component codes. As a result, some component codes listed on the following pages indicate in their code description to use another component code and is a substitute code. For example:

### 1299 Hydraulic Timing Advance (**use 1272**)

These references which indicate use of a substitute code apply only when using the component code on a labor expense line if labor reimbursement is applicable. In some cases, a component code which indicates use of a substitute code may have been canceled. Using a canceled component code on a labor expense line will cause the entire service claim to be canceled. To avoid this, Dealers should use the substitute component code listed in parentheses for claiming labor reimbursement in the expenses detail section of the claim.

**NOTE:** Refer to Bulletins 1.06 and 1.09 for proper group number and labor line SMCS code usage.

## **Engine**

1014 Engine & Output Drive Assembly

1020 Long Block

## **Air Induction & Exhaust System**

1052 Turbocharger Group

1053 Turbocharger Cartridge

1056 Turbocharger Cartridge Housing

1057 Exhaust Bypass Valve

1058 Inlet Manifold

1059 Exhaust Manifold

1060 Turbocharger Compressor Housing

1063 Aftercooler Group

1064 Aftercooler Core

1065 Turbocharger Turbine Housing

1066 Turbocharger Thrust Plate Assembly

1070 Water Cooled Turbocharger

1073 Turbocharger Heat Shield

1076 Differential Pressure Ratio Regulator

1077 Turbocharger Shaft & Wheel Assembly

1079 Aftercooler Intake Manifold

1080 Exhaust Gas Recirculation System

1081 Boost Control Valve

1085 Hydra-Mechanical Shutoff Control

1086 Hydra-Mechanical Shutoff Drive

1096 Oxygen Sensor

## **Cylinder Head Assembly**

1101 Cylinder Head Casting

1102 Rocker Shaft Assembly

1103 Valve Seat/Insert

1104 Valve Guide

1105 Inlet/Exhaust Valve

1106 Prechamber/Nozzle Adapter

1107 Valve Cover

1108 Valve Spring

1109 Valve Rotator

1113 Camshaft Housing Assembly

1115 Water Director

1117 Threaded Insert

1118 Compression Release

1119 Jake Brake (removed effective Jan 1, 2008)

1120 Valve Cover Base

1121 Valve Bridge

1123 Rocker Arm

1124 Cylinder Head Gasket

1125 Injector Sleeve

1126 Cylinder Head Manifold

1129 Engine Brake

## **Front and Rear Covers**

1151 Cover/Housing (use 1162 or 1166)

1155 Brakesaver Group

1156 Flywheel

1157 Flywheel Housing

1158 Flywheel Ring Gear

1159 Brakesaver Control Valve

1160 Crankshaft Front Seal

1161 Crankshaft Rear Seal

1162 Timing Gear Housing

1163 Timing Gear Housing Plate

1164 Engine Output Transfer Gear

1165 Engine Power Takeoff Drive

1166 Timing Gear Housing Cover

1167 Flywheel Housing Scavenge Pump

## **Short Block**

1201 Cylinder Block

1202 Crankshaft

1203 Crankshaft Main Bearing

1204 Crankshaft Gear

1205 Crankshaft Damper/Pulley

1206 Timing/Accessory Gears

1207 Accessory Drive

1208 Push Rod

1209 Camshaft Roller/Follower/Lifter  
 1210 Camshaft  
 1211 Camshaft Bearing  
 1212 Camshaft Gear  
 1213 Piston & Liner  
 1214 Piston  
 1215 Piston Rings  
 1216 Cylinder Liner  
 1217 Liner Seat/Insert  
 1218 Connecting Rod  
 1219 Connecting Rod Bearing  
 1220 Balancer  
 1221 Spacer Plate  
 1222 Cylinder Block Sleeve  
 1223 Cylinder Block Cylinder  
 1224 Cylinder Block Main Bearing Bores  
 1225 Piston & Connecting Rod  
 1230 Crankshaft Main & Rod Bearings  
 1231 Crankshaft Counterweight  
 1232 Crankshaft Thrust Plate  
 1233 Crankcase Explosion Relief Valve  
 1234 Idler Gear  
 1237 Engine Stub Shaft  
 1239 Cylinder Pack  
 1240 Block Underframe  
 1241 Timing Chain/Belt

## Fuel System

1251 Fuel Injection Pump  
 1252 Fuel Injection Lines  
 1253 Fuel Injection Pump Housing  
 1254 Fuel Injection Valve/Nozzle  
 1255 Fuel Transfer Pump Housing  
 1256 Fuel Transfer Pump  
 1257 Rack/Control Shaft  
 1259 Fuel Shutoff Solenoid  
 1264 Governor

1268 Speed Limiter  
 1272 Timing Advance  
 1275 Air Control Valve  
 1278 Air/Fuel Ratio Control  
 1281 Fuel Injection Pump-Lifters  
 1286 Injection Pump & Governor Group  
 1287 Governor Housing  
 1288 Fuel Pump/Governor Drive  
 1289 Hydraulic/Hydra-Mechanical Governor  
 1290 Unit Injector  
 1292 Fuel Camshaft  
 1295 Auxiliary Fuel Transfer Pump  
 1298 Unit Injector Control Linkage  
 1299 Hydraulic Timing Advance (use 1272)  
 1705 Variable Horsepower Control Valve/Solenoid  
 1714 Unit Injector Hydraulic Pump  
 1715 Fuel Pressure Regulator Valve

## Lubrication System

1302 Engine Oil Pan Group  
 1304 Engine Oil Pump  
 1306 Engine Oil Filter Housing/Base  
 1309 Turbocharger Lube Valve  
 1312 Oil Scavenge Pump  
 1313 Oil Pump Drive  
 1314 Oil Cooler Bypass Valve  
 1315 Oil Pressure Relief Valve  
 1319 Prelube Pump  
 1329 Shutoff Valve  
 1330 Oil Temperature Regulator  
 1331 Piston Cooling Tube  
 1332 Oil Sequence Valve

## Cooling System

1355 Thermostat/Regulator  
 1356 Fan & Fan Drive  
 1358 Fan Belt Tightener  
 1359 Fan Drive Assembly

1361 Jacket Water Pump, Drive Group  
1362 Water Manifold  
1363 Aftercooler Water Pump  
1364 Water Pump Impeller  
1373 Water Pump Housing  
1378 Engine Oil Cooler  
1384 Water Pump Pulley  
1389 Water Pump Shaft

## **Starting System**

1469 Prelube Starter

## **Fuel System (Continued from 1299)**

1705 Variable Hp Control Valve/Solenoid  
1714 Unit Injector Hydraulic Pump  
1715 Fuel Pressure Regulator Valve  
1716 Governor Actuator  
1718 Fuel Pressor Sensor

## **Engine Electronic Control System**

1901 Electronic Control Module (ECM)  
1902 Ratings Personality Module  
1904 Transducer Module  
1905 Timing Position Sensor  
1906 Water Temperature Sensor  
1907 Engine Speed Sensor  
1908 Electronic Governor  
1909 Rack Solenoid  
1910 Timing Solenoid  
1911 Rack Position Sensor  
1912 Engine Speed/Timing Sensor  
1913 Throttle Speed Sensor  
1914 Machine Speed Buffer  
1915 Engine Speed Control  
1916 Crankcase Pressure Sensor  
1917 Boost Pressure Sensor  
1918 Throttle Lock Control

1919 Exhaust Temperature Sensor  
1920 Engine Software  
1921 Inlet Air Temperature Sensor  
1922 Fuel Temperature Sensor  
1923 Atmospheric Pressure Sensor  
1924 Engine Oil Pressure Sensor  
1925 Injection Actuation Pressure Sensor  
1929 Engine Oil Temperature Sensor  
192T Injection Actuator Temperature Sensor

## **Torque Converter, Divider, Retarder**

1366 Brake/Torque Converter Cooler  
1368 Retarder Cooler  
1375 Torque Converter/Transmission Cooler  
1376 Torque Converter Trans. & Hydraulic Cooler  
3101 Torque Converter  
3102 Torque Converter Clutch  
3105 Torque Converter Housing  
3107 Power Takeoff Drive  
3108 Pump Drive  
3109 Torque Converter & Retarder  
3110 Torque Divider Transmission (use 3030)  
3111 Torque Divider Control Valve (use 3073)  
3112 Torque Divider Governor (use 3151)  
3113 Torque Divider  
3114 Torque Divider Planetary Carrier  
3115 Torque Converter Scavenge Pump  
3116 Transfer Gears, Torque Divider, & Retarder (use 3031)  
3117 Transfer Gears and Retarder  
3118 Torque Divider & Retarder (use 3032)  
3120 Retarder  
3121 Retarder Extended Braking Control  
3123 Retarder Control Valve  
3124 Lockup Clutch Pressure Control Valve  
3126 Retarder Selector Valve  
3127 Torque Converter Bearing Retainer

3128 Torque Converter Flange  
 3129 Torque Converter Stator  
 3130 Torque Divider/Torque Converter Shaft  
 3131 Torque Converter Turbine Wheel  
 3133 Torque Converter Relief Valve  
 3134 Torque Converter Impeller  
 3135 Torque Converter Carrier  
 3136 Torque Converter Hub  
 3137 Torque Converter Pressure/Sequence Control Valve  
 3138 Torque Converter & Park Brake Release Pump  
 3139 Modulating Valve  
 3140 Torque Converter Control  
 3141 Torque Converter Speed Sensor  
 3143 Torque Converter Electronic Control

## **Transmission**

### **Powertrain Transmission**

3017 Drive Train Oil Pump (use 3066)  
 3011 Bevel and Transfer Case  
 301T Drive Train Oil Temperature Sensor  
 3030 Transmission  
 3032 Transmission and Retarder

### **Clutch & Manual Shift/Direct Drive Transmission**

3060 Manual Shift Direct Drive Trans. (use 3030)  
 3061 Transmission Gears  
 3062 Transmission Reverse Box  
 3063 Transmission Shaft  
 3064 Transmission Case  
 3066 Transmission Oil Pump  
 3068 Transmission Oil Filter Base  
 3071 Flywheel Clutch Hydraulic Control  
 3073 Transmission Hydraulic Control Valve  
 3074 Transmission Pressure Control Valve  
 3075 Transmission Output Gears

3077 Transmission Brake  
 3083 Transmission Selector & Pressure Control Valve

## **Powershift Transmission**

3151 Transmission Governor  
 3153 Transmission Oil Pump (use 3066)  
 3155 Transmission Clutches  
 3157 Transmission Manual Selector Valve  
 3159 Transfer Gear Group  
 3160 Transmission Planetary  
 3164 Oil Filter Base (use 3068)  
 3167 Transmission Hydraulic Control  
 3168 Transmission Electronic Control (includes finger tip controls)  
 3169 Transmission Clutch Housing  
 3170 Transmission Clutch Piston  
 3171 Transmission Manual Switch  
 3172 Transmission Slave Switch  
 3173 Transmission Synchronous Switch  
 3174 Transmission Shift Solenoid  
 3175 Transmission Speed Sensor  
 3180 Transmission Priority Valve  
 3181 Transmission Neutralizer Control Valve  
 3182 Transmission Lubrication Relief Valve  
 3183 Transmission Control Lock  
 3184 Transmission Oil Cooler Bypass Valve  
 3186 Transmission Planet Carrier  
 3187 Transmission Planet Carrier Thrust Disc/Plate  
 3188 Transmission Case (use 3064)  
 3189 Transmission Shaft (use 3063)  
 3190 Transmission Clutch Plate  
 3191 Transmission Neutralizer  
 3194 Transmission Temperature Sensor

## **Hydrostatic Transmission**

3202 Hydraulic Flow Control  
 3203 Drive Pump

3204 Charge Pump  
3205 Servo Control Valve  
3206 Manifold/Metering Valve  
3207 Servo Cylinder  
3208 Hydrostatic Control Valve (use 3073)  
3210 High Pressure Relief Valve  
3211 Hydrostatic Transmission Input Shaft (use 3063)  
3212 Hydrostatic Transmission Output Shaft (use 3063)  
3213 Charge and Main Relief Valve  
3214 Synchronizing Valve  
3216 Transmission Underspeed/Overspeed Valve  
3218 Hydrostatic Lines & Hoses  
3219 Hydrostatic Pilot Overspeed Valve  
3220 Hydrostatic Transmission Speed Control Valve  
3221 Hydrostatic Power Case  
3222 Hydrostatic Pump Head  
3223 Transmission Underspeed/Override Valve  
3226 Downshift Inhibitor

## **Countershaft Transmission**

3401 Countershaft Transmission Case (use 3064)  
3402 Countershaft Oil Pump (use 3066)  
3403 Countershaft Lines/Hoses  
3404 Countershaft Clutches (use 3155)  
3405 Countershaft Clutch Housing (use 3169)  
3406 Countershaft Clutch Piston (use 3170)  
3407 Countershaft Transfer Gear (use 3159)  
3408 Countershaft Shaft (use 3063)  
3409 Countershaft Output Gears (use 3075)  
3410 Countershaft Brake (use 3077)  
3412 Countershaft Pressure Control Valve (use 3074)  
3417 Hydrostatic Control Groups (use 3167)  
3418 Electrical Control Groups (use 3168)