

PARTS & SERVICE NEWS

REF NO.	AA00032
DATE	Feb. 09, 2000

SUBJECT: IMPROVED HYDRAULIC PUMP MOUNTING FLANGE

PURPOSE: Provide information to customers of an improved part (PC0774) for 530M

APPLICATION: 530M Dump Trucks, Units prior to s/n A30036

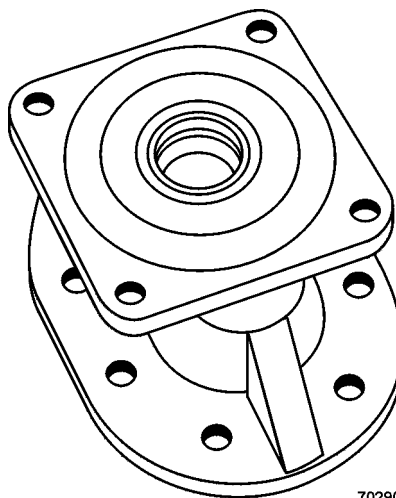
FAILURE CODE: M10037

DESCRIPTION:

The pump mounting flange for the three hydraulic pump assemblies used on the 530M has been redesigned for improved reliability. Previous designs were made from either aluminum or cast iron, which experienced breakage at the mounting bolt areas. The improved mounting flange is made from cast steel for increased strength and has a thicker flange where the pump assembly is bolted to the torque convertor housing. The original mounting flange (EH0519) will no longer be supplied when the new mounting flange (PC0774) is available.

Old Flange	Old Pump	New Flange	New Pump w/Flange
EH0519	PC0345	PC0774	PC0772 (Brake Cooling Pump)
EH0519	PC0523	PC0774	PC0771 (Hoist / Brake Pump)
EH0519	PC0347	PC0774	PC0822 (Transmission Pump)

NOTE: MOUNTING FLANGE (PC0774) REQUIRES THE INSTALLATION OF (4) MOUNTING STUDS (0112431240) TO THE TORQUE CONVERTOR HOUSING FOR EACH PUMP. THE NEW STUDS SHOULD BE INSTALLED USING LOCTITE TO PREVENT REMOVAL AT TIME OF PUMP CHANGE. USE LOCTITE ONLY ON TORQUE CONVERTOR END OF STUD.



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Figure 1. Hydraulic Pump Mounting Flange

Komatsu Mining Systems, Inc. Reserves the right to make changes in specifications, construction, or design, at any time, without incurring obligation to make such changes on products sold previously.

When replacing the mounting flange on an existing pump, use precaution to insure no dirt or foreign material enters the pump and hydraulic system. The drive area on the torque converter should also be cleaned and protected to prevent dirt from entering when a pump is removed.

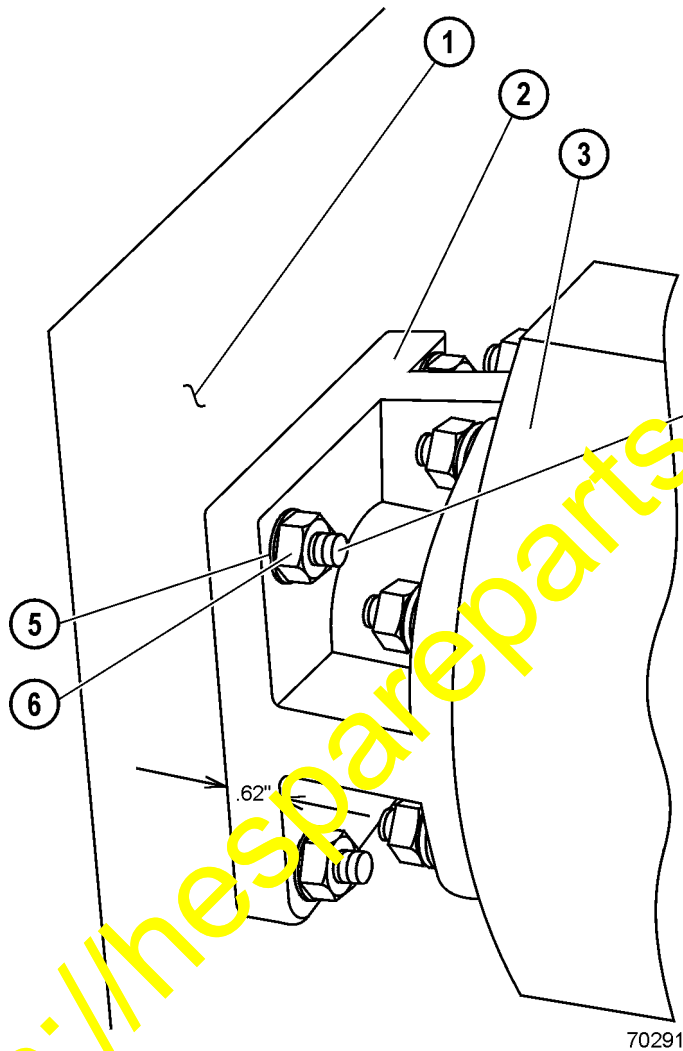


Figure 2. Installation of Mounting Flange

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|---------------------|-----------|
| 1. Torque Converter | 4. Stud |
| 2. Mounting Flange | 5. Washer |
| 3. Hydraulic Pump | 6. Nut |

NOTE: REFER TO THE HYDRAULIC SECTION OF THE SHOP MANUAL FOR INFORMATION ON DISASSEMBLY AND REASSEMBLY OF THE HYDRAULIC PUMP.

NOTE: 530M UNITS FOLLOWING S/N A30036 WILL HAVE A NEW PUMP CONFIGURATION WHICH INCLUDES THE NEW FLANGE. IT WILL ALSO INCLUDE DIFFERENT PIPING SIZES AND INTERNAL CHANGES TO THE PUMP.