

PARTS & SERVICE NEWS

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SUBJECT: REPLACEMENT OF TORQUE CONVERTER OIL COOLER

PURPOSE: This Parts and Service News letter releases a heavy duty T/C oil cooler for machines working in a loading cycle at high ambient temperatures. This kit will also improve the cooling performance during a high ambient road travel conditions.

APPLICATION: WA380-5L Wheel Loader Serial Number A52001 and UP

FAILURE CODE: 1400NS

DESCRIPTION: A parts kit has been made available to increase torque converters oil cooling capacity. This kit will replace the current T/C oil cooler and will prevent the T/C from overheating in roading applications.

MACHINE PREPARATION

1. Park the machine on a flat level surface; lower the work equipment to the ground. Shut off the engine and cycle the controls to remove any residual hydraulic pressure from the work equipment circuits. Turn the parking brake switch on and block the tires or tracks.
2. Remove the key from the ignition switch until the repairs are complete. Place a tag on the steering controls advising: "This machine is being repaired. It should not be started or moved for any reason until the tag is removed by the person doing the repairs."

WARNING! Observe all safety and precautionary standards as dictated by the environment and work conditions under which the equipment will be inspected, reworked and repaired. consult the "Shop Manual" and "Operator's and Maintenance Manual" and your "Komatsu District service manager" with any/all questions regarding safety.

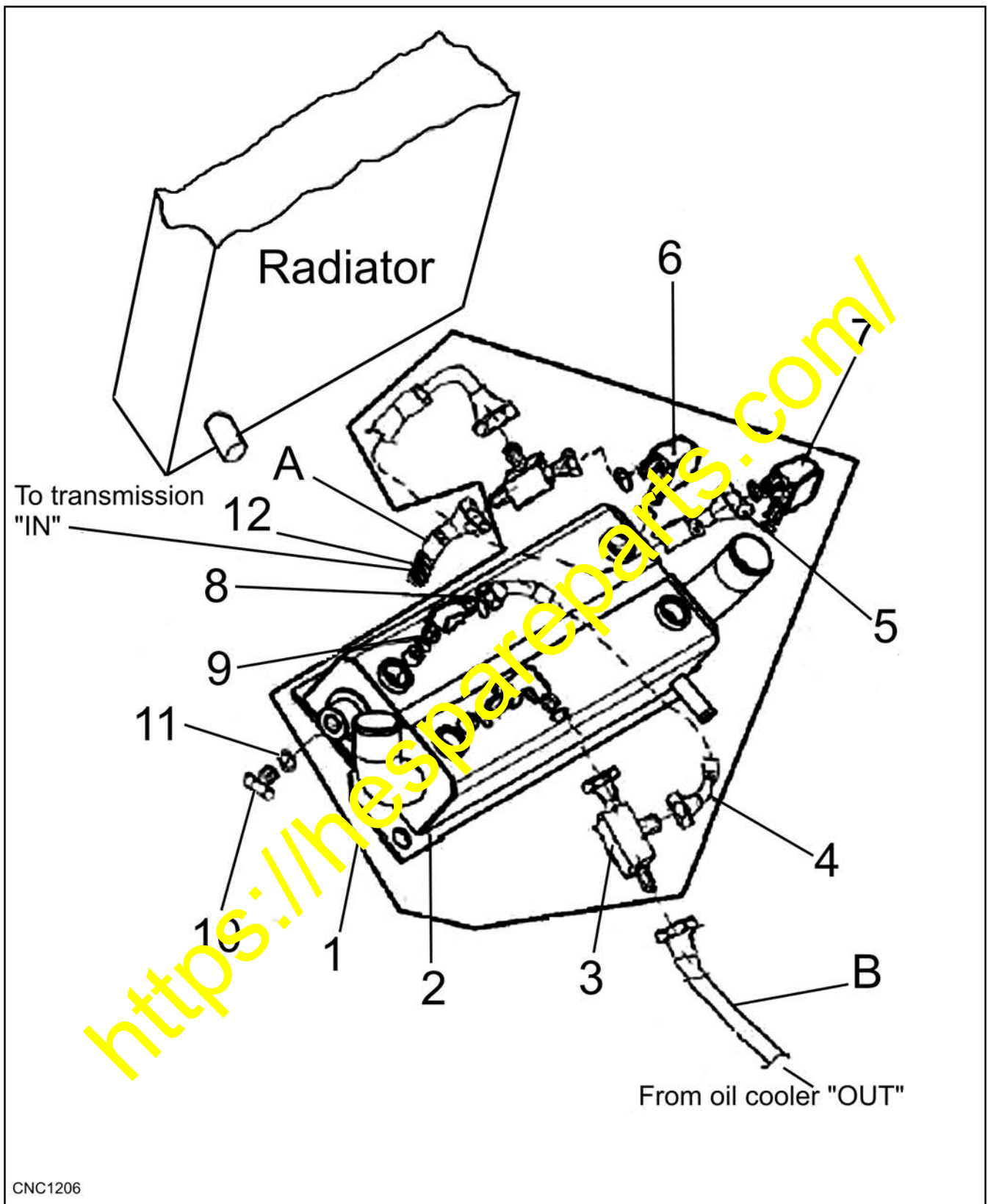
Remark

These instructions are intended to supplement the service data contained in the appropriate "Shop Manual". Always refer to that manual for Removal, Installation, Disassembly and Reassembly instructions when not contained in this document.

PART LISTING

No.	Part Number	Description	Qty.	Remark
1	423-16-A1290	DOUBLE OIL COOLER ASSEMBLY	1	
2	423-16-A1230	.DOUBLE OIL COOLER	1	
3	423-16-A1250	.TEE	2	
4	423-16-A1260	.HOSE.	1	
5	423-16-A1270	.HOSE.	1	
6	21W-62-42640	.ELBOW	3	
7	421-09-31210	.ELBOW	1	
8	421-09-31140	.O-RING.	4	
9	07002-23334	.O-RING.	4	
10	07040-12412	PLUG	1	
11	07002-12434	O-RING	1	
12	08210-02903	SPIRAL TUBE.	1	
13	08210-01802	SPIRAL TUBE.	2	not shown in illustration
14	6134-11-5120	SPACER	2	not shown in illustration

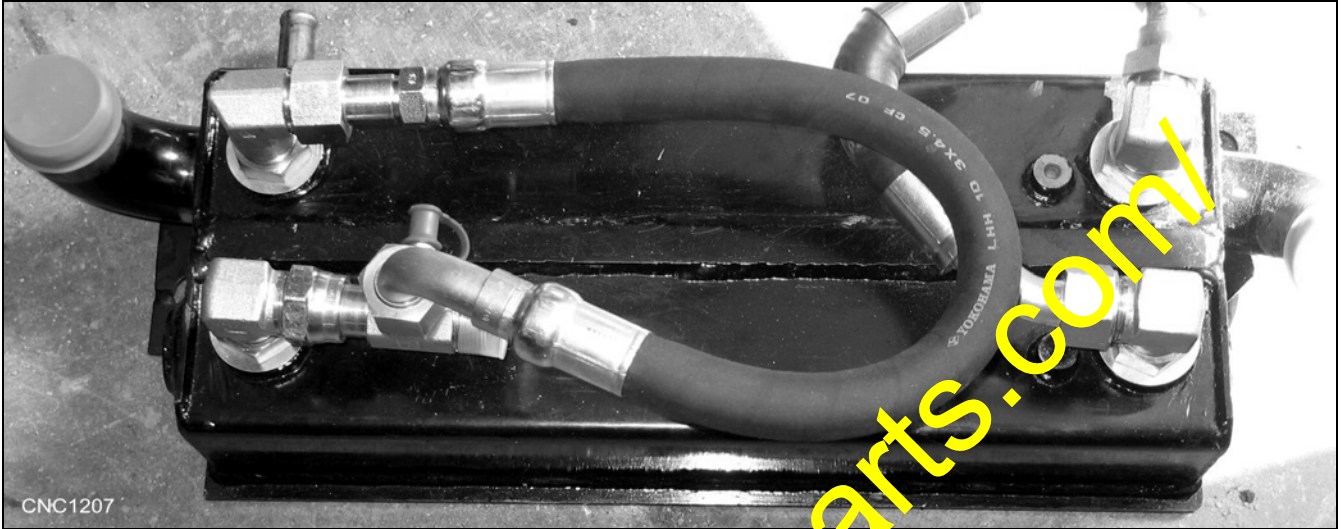
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CNC1206

INSTALLATION PROCEDURES

1. Drain and store engine coolant
2. Disconnect existing hoses (A) and (B) from current T/C oil cooler
3. Remove the fuel tank assembly according to Shop Manual 30-23
4. Replace the current T/C cooler with the new double cooler assembly



5. After installing the new double cooler assembly, re-install the fuel tank in the reverse order of removal
6. Connect the two existing hoses (A) and (B) to the new T/C oil cooler.
7. Protect the hose (A) and (B) with the spiral tubing at the contact with the cooler.
8. Add spacers (14) under the clamps that hold the existing hose (15) in place.

