



Service Repair Manual

Models

730C Ejector Articulated Truck

Product: EJECTOR TRUCK

Model: 730C EJECTOR TRUCK LFH

Configuration: 730C Ejector Articulated Truck LFH00001-UP (MACHINE) POWERED BY C13 Engine

Disassembly and Assembly 730C and 730C EJECTOR Articulated Trucks Engine Supplement

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Engine - Remove and Install

SMCS - 1000-010

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	386-6032	Lever Puller Hoist Gp	1
B	5P-7306	Shaft Housing	1
	5P - 7305	Engine Turning Tool	1

Start By:

- a. Remove the air cleaner.
- b. Remove the starter.



WARNING

Personal injury can result from contact with refrigerant.

Contact with refrigerant can cause frost bite. Keep face and hands away to help prevent injury.

Protective goggles must always be worn when refrigerant lines are opened, even if the gauges indicate the system is empty of refrigerant.

Always use precaution when a fitting is removed. Slowly loosen the fitting. If the system is still under pressure, release it slowly in a well ventilated area.

Personal injury or death can result from inhaling refrigerant through a lit cigarette.

Inhaling air conditioner refrigerant gas through a lit cigarette or other smoking method or inhaling fumes released from a flame contacting air conditioner refrigerant gas, can cause bodily harm or death.

Do not smoke when servicing air conditioners or wherever refrigerant gas may be present.

Use a certified recovery and recycling cart to properly remove the refrigerant from the air conditioning system.



Personal injury or death may result from failure to adhere to the following procedures.

Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire.

Clean up all leaked or spilled fuel. Do not smoke while working on the fuel system.

Turn the disconnect switch OFF or disconnect the battery when changing fuel filters.



Personal injury can result from hot coolant, steam and alkali.

At operating temperature, engine coolant is hot and under pressure. The radiator and all lines to heaters or the engine contain hot coolant or steam. Any contact can cause severe burns.

Remove cooling system pressure cap slowly to relieve pressure only when engine is stopped and cooling system pressure cap is cool enough to touch with your bare hand.

Do not attempt to tighten hose connections when the coolant is hot, the hose can come off causing burns.

Cooling System Coolant Additive contains alkali. Avoid contact with skin and eyes.

1. Drain the coolant. Refer to Operation and Maintenance Manual, "Cooling System Coolant (ELC) - Change" for the correct draining and filling procedures.
2. Recover the air conditioner refrigerant. Refer to Service Manual, SENR5664, "All Products Air Conditioning and Heating Systems with R134a for All Caterpillar Machines". Refer to Special Publication, NENG2500, "Air Conditioning Tools" for the correct tools.
3. Tilt the cab. Refer to Operations and Maintenance Manual, "Cab - Tilt" for the correct procedure.

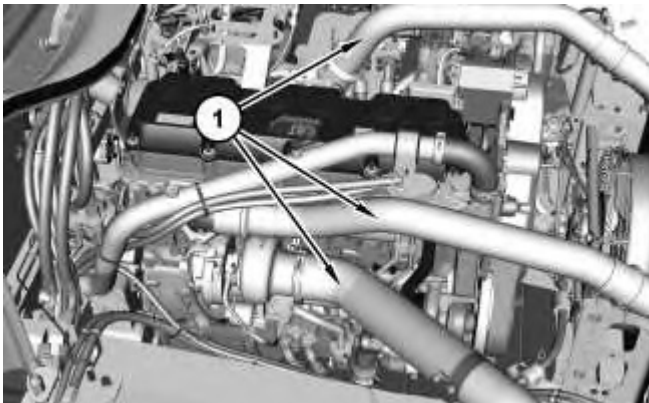


Illustration 1

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4. Remove tube assemblies (1).

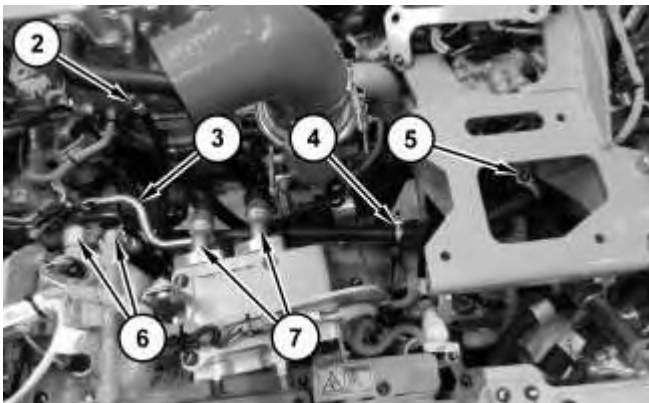


Illustration 2

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5. Remove clips (4) and (5). Disconnect hose assembly (3) and remove the seal. Disconnect hose assemblies (2), (6) and (7).
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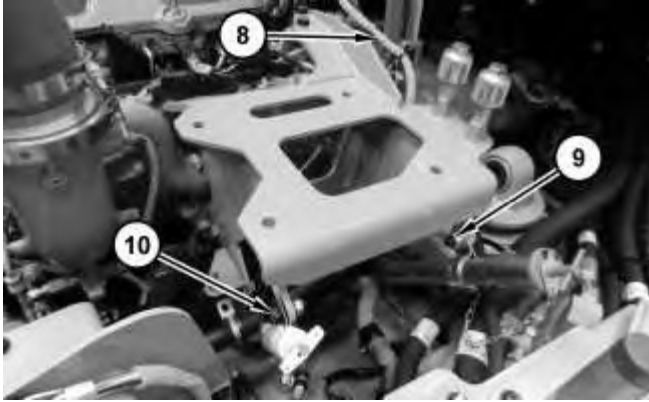


Illustration 3

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6. Remove the cable straps from harness assembly (8). Disconnect clamps (9) and (10).

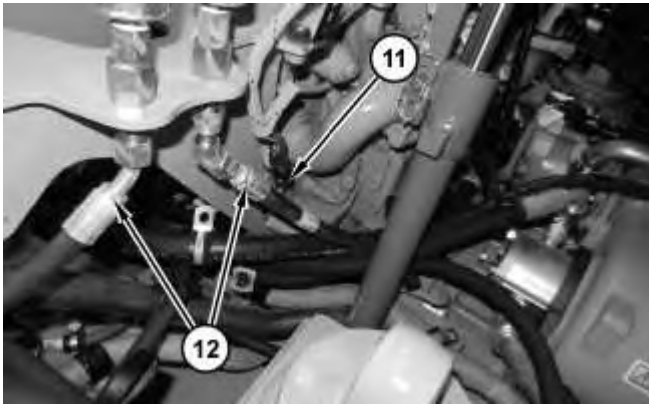


Illustration 4

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7. Disconnect harness assembly (11). Disconnect hose assemblies (12).

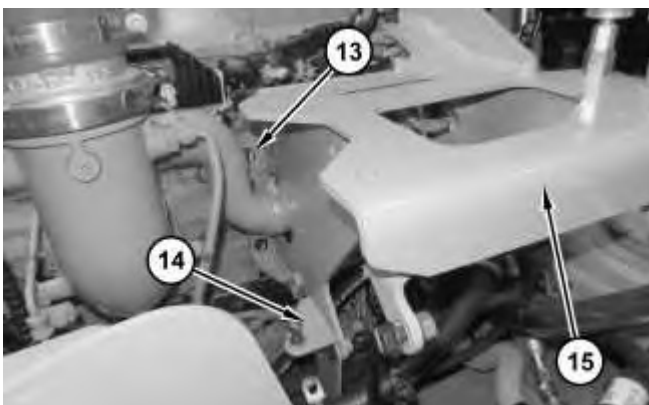


Illustration 5

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8. Disconnect bracket (14). Remove bolts (13) and remove bracket (15).

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