



Service Repair Manual

Models

527 TRACK SKIDDER

Product: TRACK SKIDDER

Model: 527 TRACK SKIDDER 2RS

Configuration: 527 TRACK-TYPE SKIDDER 2RS00001-UP (MACHINE) POWERED BY 3304 Engine

Disassembly and Assembly

527 Track-Type Skidder Engine Supplement

Media Number -SEN9418-03

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i01013750

Radiator - Remove

SMCS - 1353-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7505	Jack	1
B	138-7574	Link bracket	2

Start By:

- Remove the hood. Refer to Disassembly and Assembly Manual, "Hood - Remove and Install".

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.

Dispose of all fluids according to local regulations and mandates.

NOTICE

Keep all parts clean from contaminants.

Contamination of the hydraulic system with foreign material will reduce the service life of the hydraulic system components.

To prevent contaminants from entering the hydraulic system, always plug or cap the lines, fittings, or hoses as they are disconnected. Cover any disassembled components and clean them properly before assembly.

Clean the hydraulic system properly after any major component exchange or especially after a component failure, to remove any contamination.



WARNING

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.

Note: Put identification marks on all lines, on all hoses, on all wires and on all tubes for installation purposes. Plug all lines, all hoses and all tubes. This will help to prevent fluid loss and this will help to keep contaminants from entering the system.

1. Release the pressure in the cooling system by slowly loosening the filler cap on the radiator.
 2. Drain the coolant from the radiator. The capacity of the cooling system is 37 L (10 US gal).
 3. Remove the lower access panel from the left side of the engine. Remove the lower access panel from the right side of the engine.
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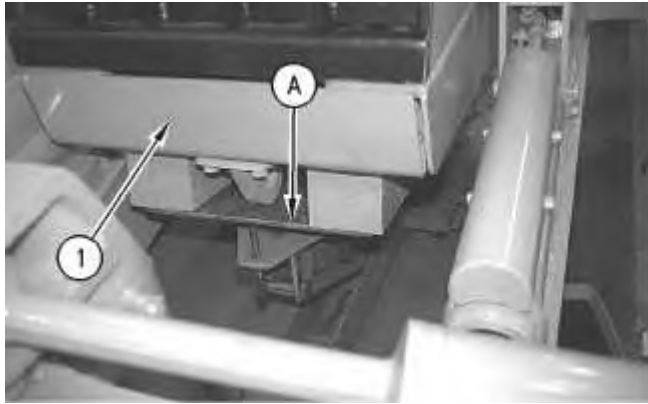


Illustration 1

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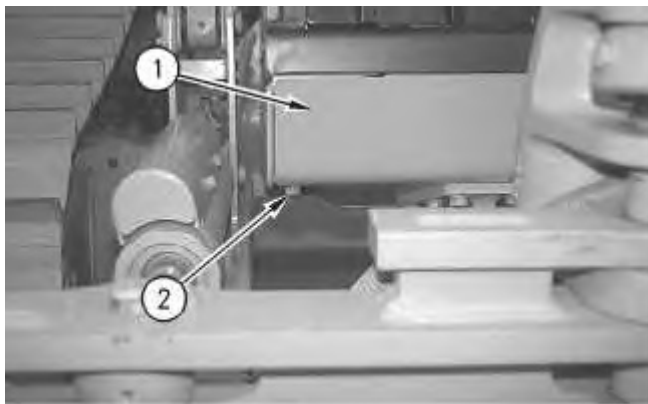


Illustration 2

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4. Place tool (A) and place the cribbing under the guard (1) .
5. Remove bolts (2) and guard (1) from the machine. The weight of the guard is 50 kg (110 lb).

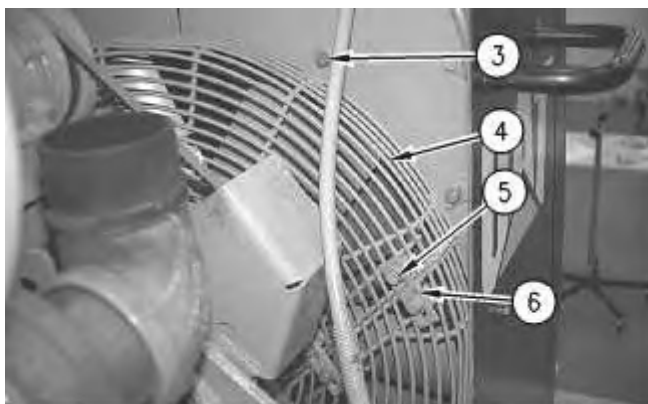


Illustration 3

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6. Remove bolts (5) and remove plates (6) .
7. Remove bolts (3) and remove fan guard assemblies (4) from the radiator assembly.

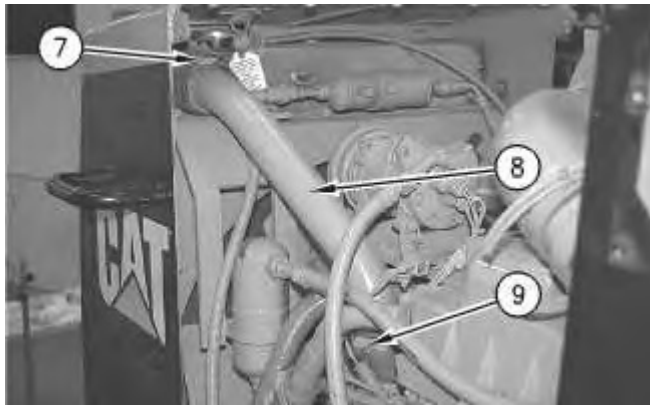


Illustration 4

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8. Loosen hose clamps (7) and remove tube assembly (8) from the machine.



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.

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