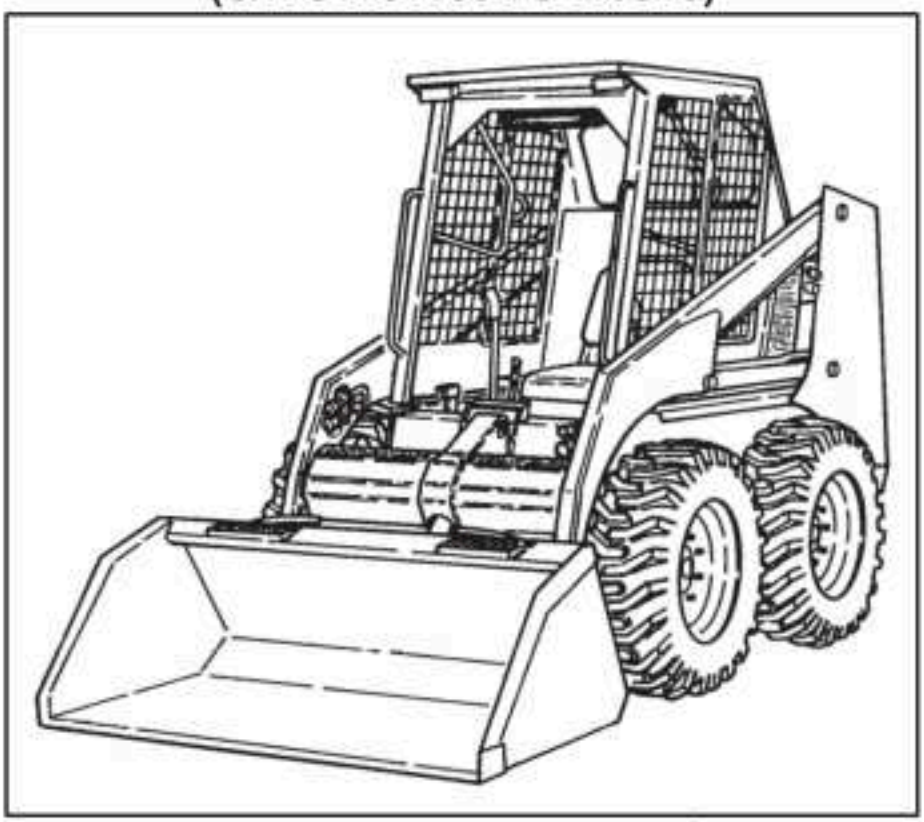
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Service Manual

(S/N 508411001–508417999)
(S/N 509711001–509717999)
(S/N 510250001 & Above)
(S/N 510375001 & Above)
(S/N 512815001–512815999)
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Component Repair Manual

A Component Repair Manual is available for this model Bobcat loader.

A component Repair Manual gives complete teardown procedures for service and repair of all major components such as control valves, hydrostatic pumps and motors, hydraulic pumps, etc.

See your Bobcat dealer about availability of this important addition to your service library.

CALIFORNIA
PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

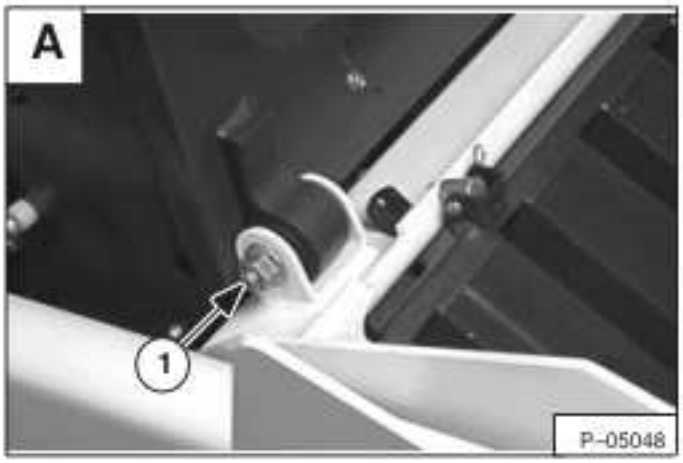
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Removal And Installation (Cont'd)

Remove the nut (Item 1) **[A]** from the pivot bolt (both sides).

Installation: Tighten the pivot bolt and nut to 25–35 ft.–lbs. (34–47 Nm) torque.

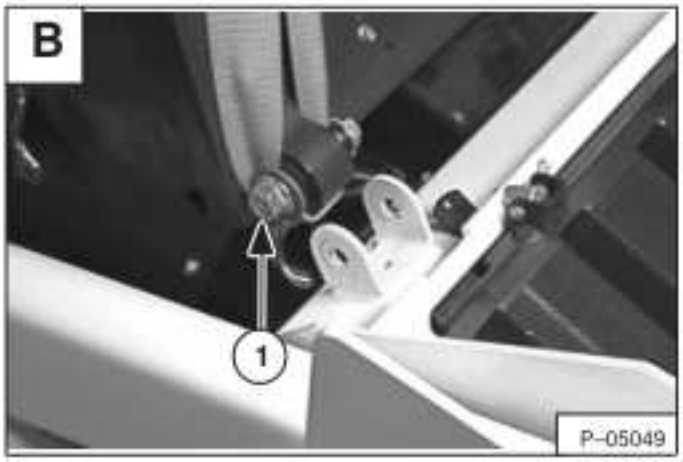
Remove the pivot bolt (both sides).



Move the operator cab forward a small amount for clearance at the pivot mounting brackets **[B]**.

Install the pivot bolt, washer (one on each side) and nut (Item 1) **[B]** (both sides).

Install the sling under the pivot bolt and pivot of the operator cab **[B]**.



Connect the slings to a chain hoist and remove the operator cab from the loader **[C]**.



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HYDRAULIC/HYDROSTATIC FLUID SPECIFICATIONS

Specifications

Use Melroe hydraulic/hydrostatic transmission fluid (P/N 6563328). If this fluid is not available, use 10W–30 or 10W–40 SAE Motor Oil (5W–30 for 0°F [–18°C] and Below).

DO NOT use automatic transmission fluids in the loader or permanent damage to the transmission will result.

⚠ WARNING

Diesel fuel or hydraulic fluid under pressure can penetrate skin or eyes causing serious injury. Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. Do not use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention.

W–2074–1285

When temperatures below zero degree F (–18°C) are common, the loader must be kept in a warm building. Extra warm–up time must be used each time the loader is started during cold temperature conditions. Cold fluid will not flow easily and it makes action of the hydraulic function slower. Loss of fluid flow to the hydrostatic transmission pump (indicated by "TRANS" light "ON") can cause transmission damage in less than 60 seconds.

⚠ WARNING

During cold weather 32°F (0°C) and below, do not operate machine until the engine has run for at least five (5) minutes at less than half throttle. This warm–up period is necessary for foot pedal operation and safe stopping. Do not operate controls during warm–up period. When temperatures are below –20°F (30°C), the hydrostatic oil must be heated or kept warm. The hydrostatic system will not get enough oil at low temperatures. Park the machine in an area where the temperature will be above 0°F (–18°C), if possible.

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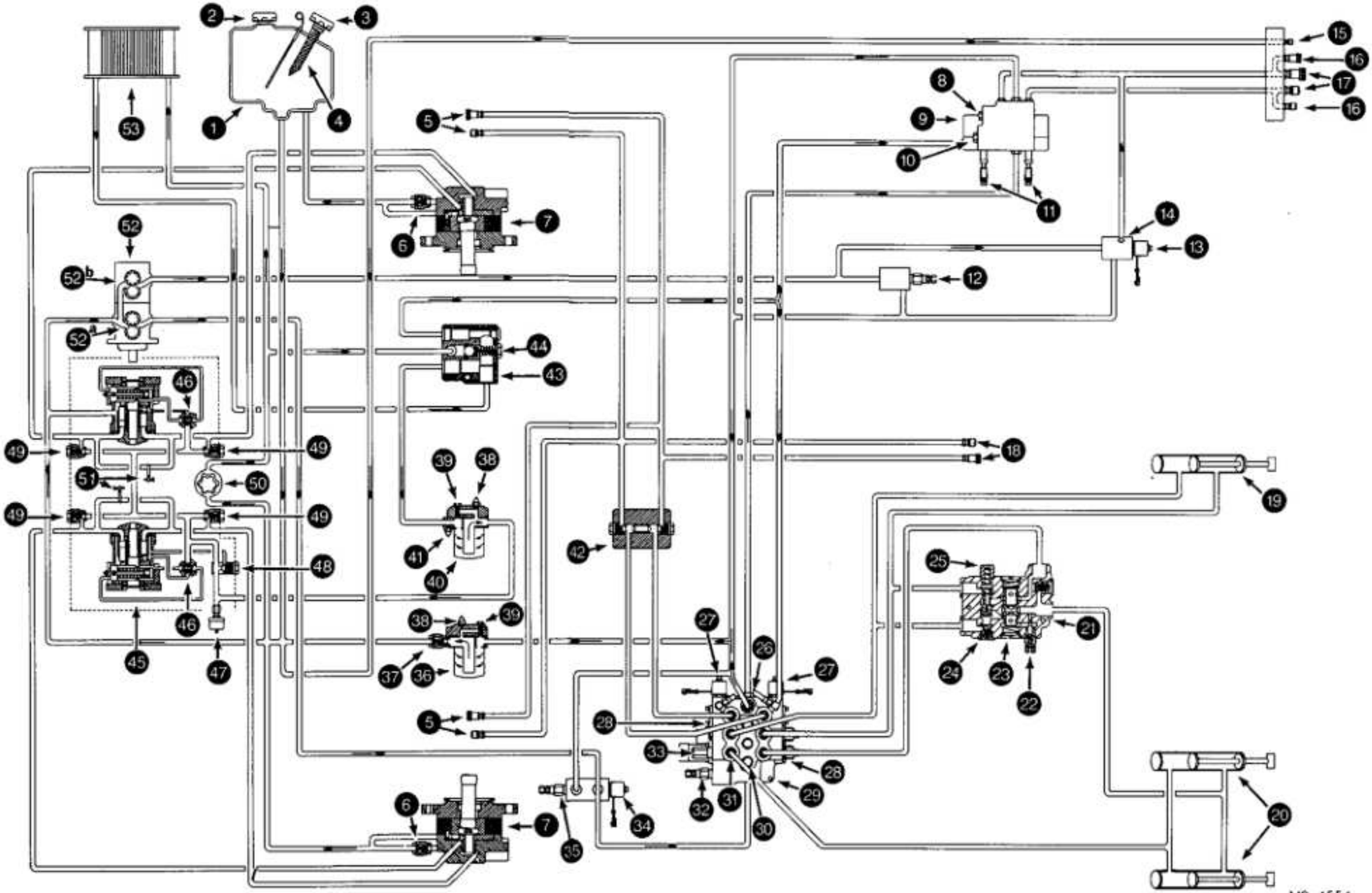
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HYDRAULIC / HYDROSTATIC FLOW CHART

For Model

853H

Chart #6720956 (Printed March 2003)



6720856(3-03)

(Sheet 1 of 2)

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