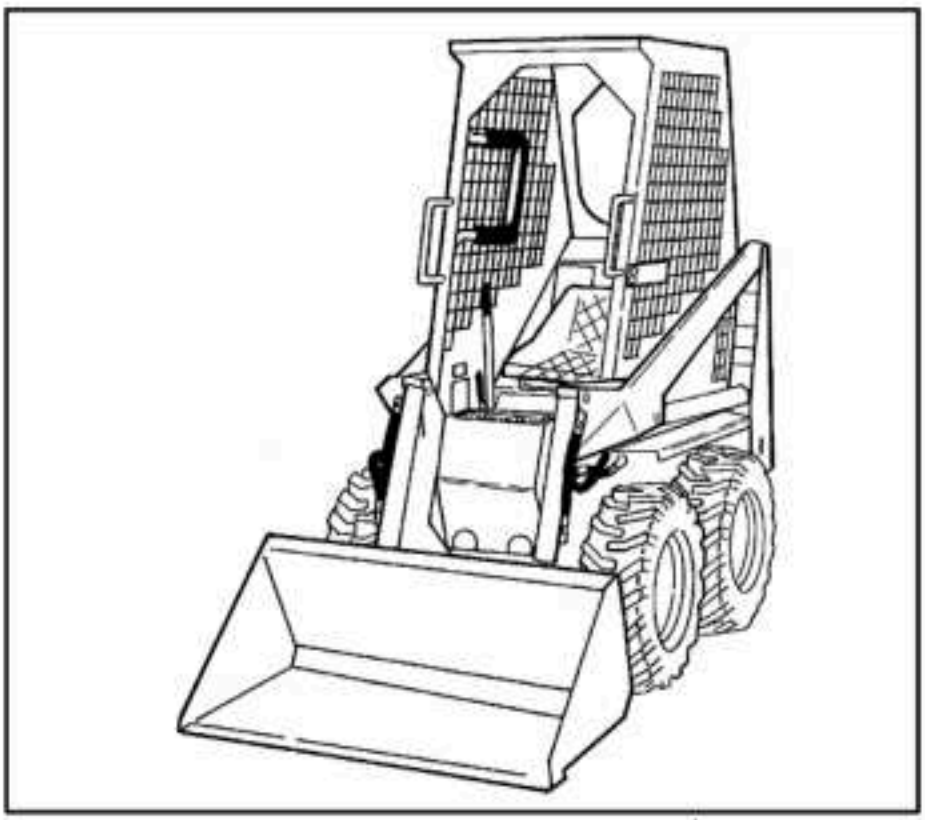
310
313

Service Manual



MELROE
INGERSOLL-RAND

6556606(12–82)

Printed in U.S.A.

bobcat

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1 PREVENTIVE MAINTENANCE

1–1 INTRODUCTION

The Preventive Maintenance section gives general maintenance and adjustment procedures for the Bobcat. The other sections give the detailed description necessary for disassembly and assembly and when replacement parts are needed.

1–1.1 Symbols

IMPORTANT

This notice shows important procedures which must be followed to prevent damage to the loader.

⚠ WARNING

For your safety, warnings are on the loader and in the manual. Failure to obey warnings may cause injury or death.

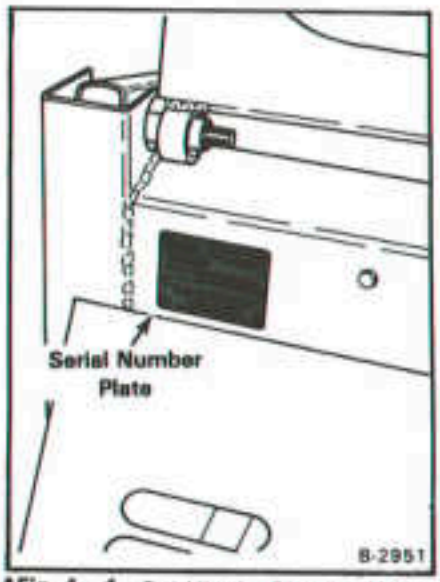


*Fig. 1–1 Serial Number Plate (Location)

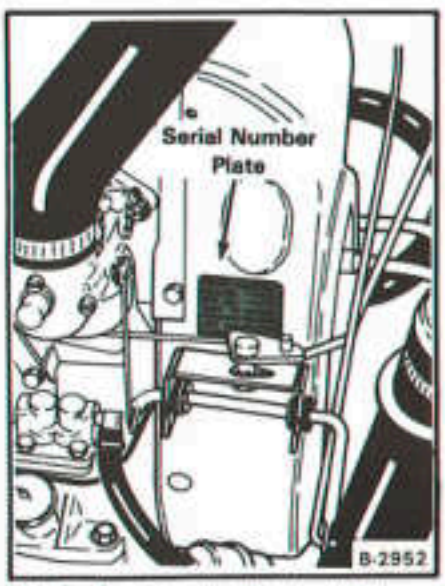


Fig. 1–2 Engine Serial Number (310)

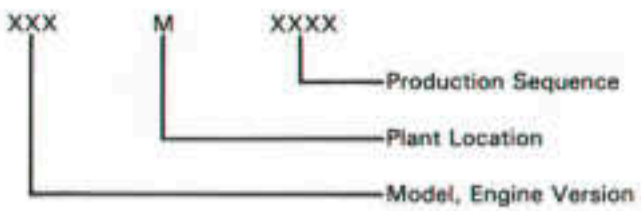
1–1.2 Serial Number Identifications

It is important to make correct reference to the serial number of the loader when making repairs or ordering parts. It is possible that the present loaders do not use all the same parts as earlier loaders; or it is possible that different procedures are used for service or repair.

1–1.3 Loader Serial Number

The loader serial number plate location is inside the left upright (Fig. 1–1).

Explanation of the Serial Number:



1–1.4 Engine Serial Number

The 310 engine serial number plate is located on the blower cover (Fig. 1–2).



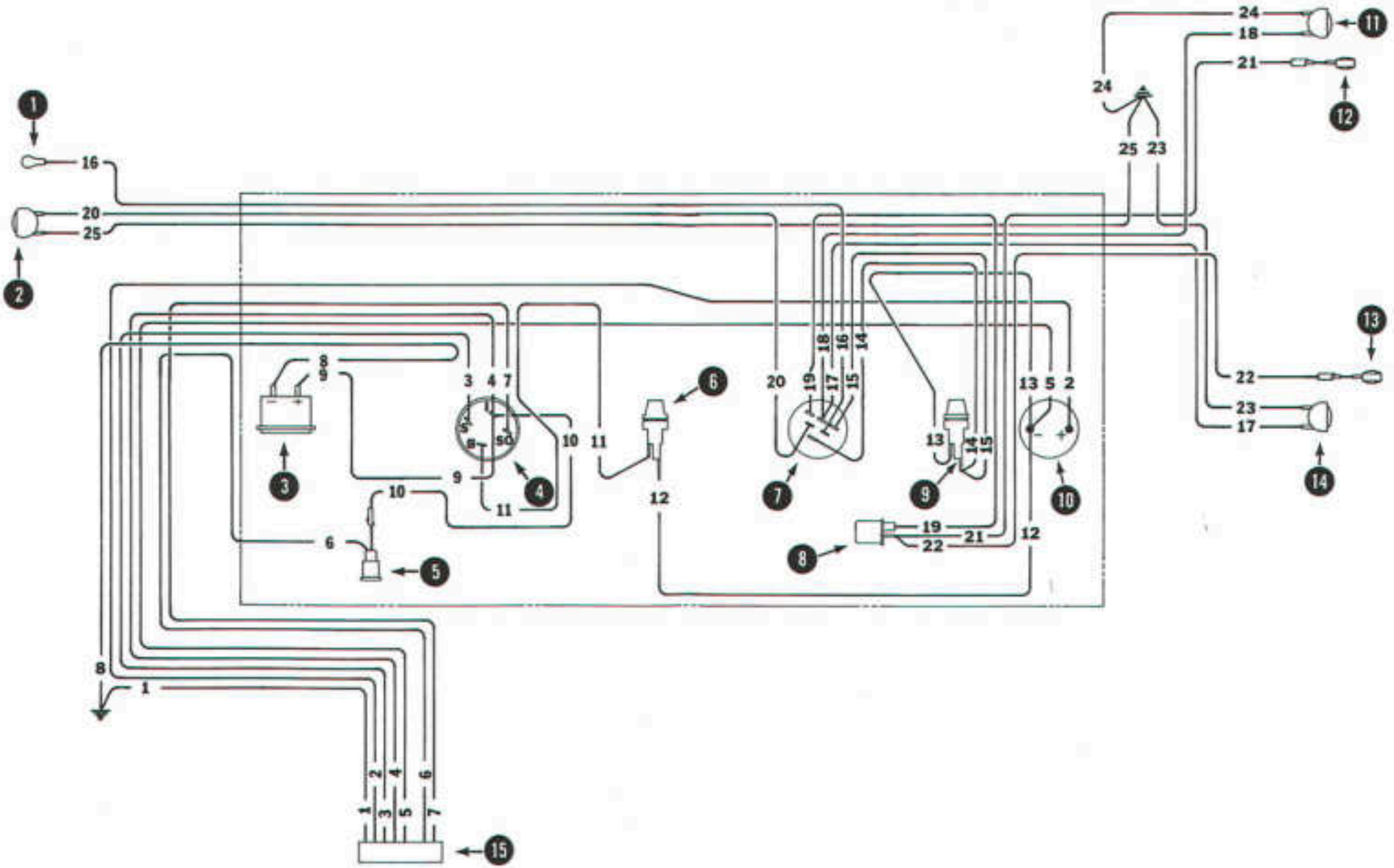
*Revised Nov. 80

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OVERHEAD GUARD DIAGRAM

310 (S/N 16152 & ABOVE)
313 (S/N 13092 & ABOVE)

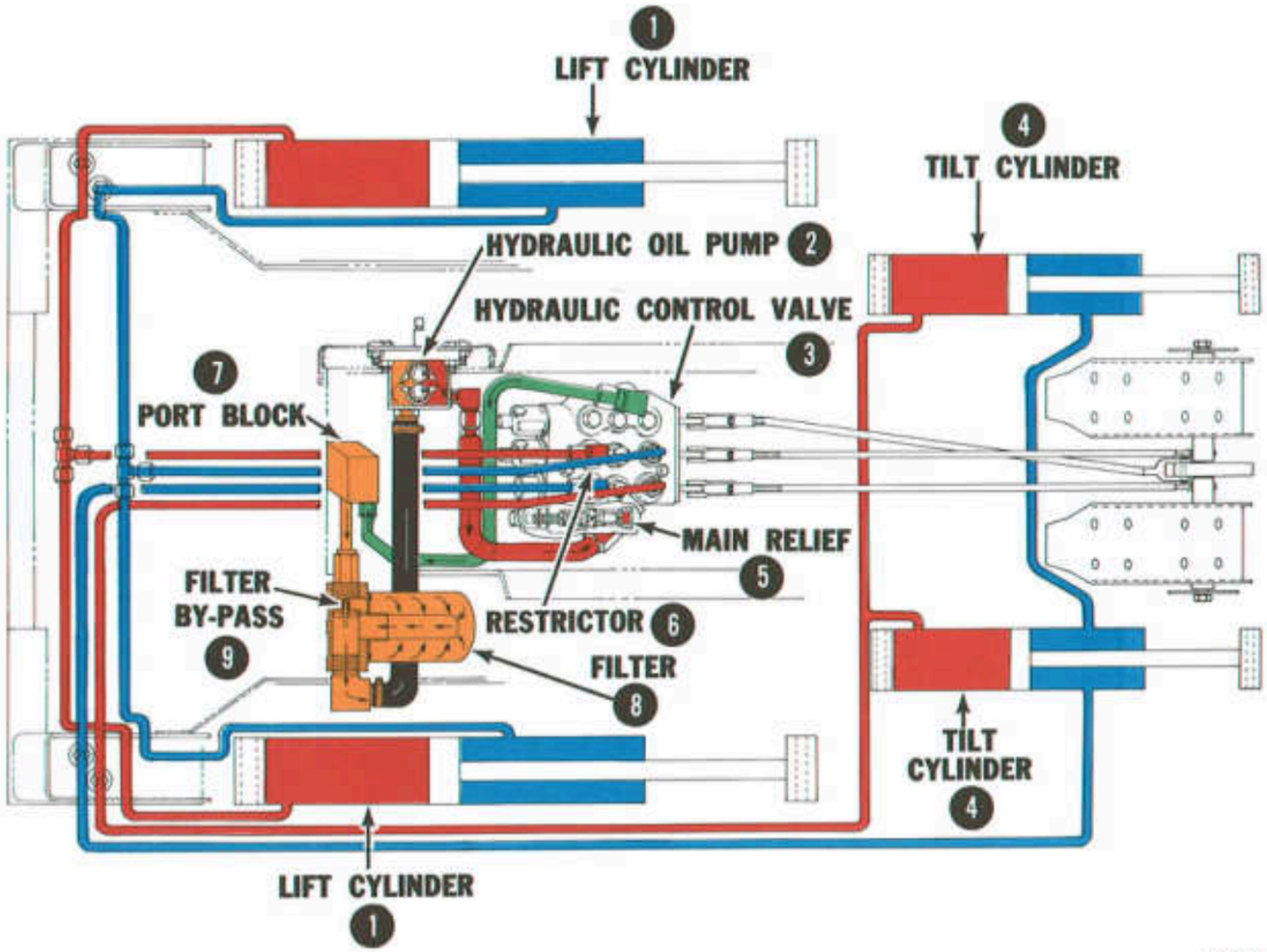


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HYDRAULIC FLOW CHART

310 (S/N 13,696 & Above)

(And Loaders That Have Changed)



1. LIFT CYLINDERS
2. HYDRAULIC OIL PUMP, LOW RANGE 3.8 GPM (14,4 L/m), HIGH RANGE 7.3 GPM (27,6 L/m) at Rated RPM
3. HYDRAULIC CONTROL VALVE
4. TILT CYLINDERS
5. MAIN RELIEF, 1200 PSI (8274 kPa)
6. RESTRICTOR
7. PORT BLOCK
8. FILTER, 33 Micron
9. FILTER BY-PASS, 10 Inches Of Mercury

RED - - - - - - - High Pressure
BLUE - - - - - - Low Pressure
GREEN - - - - - Fluid Reservoir
ORANGE - - - -Return Oil

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