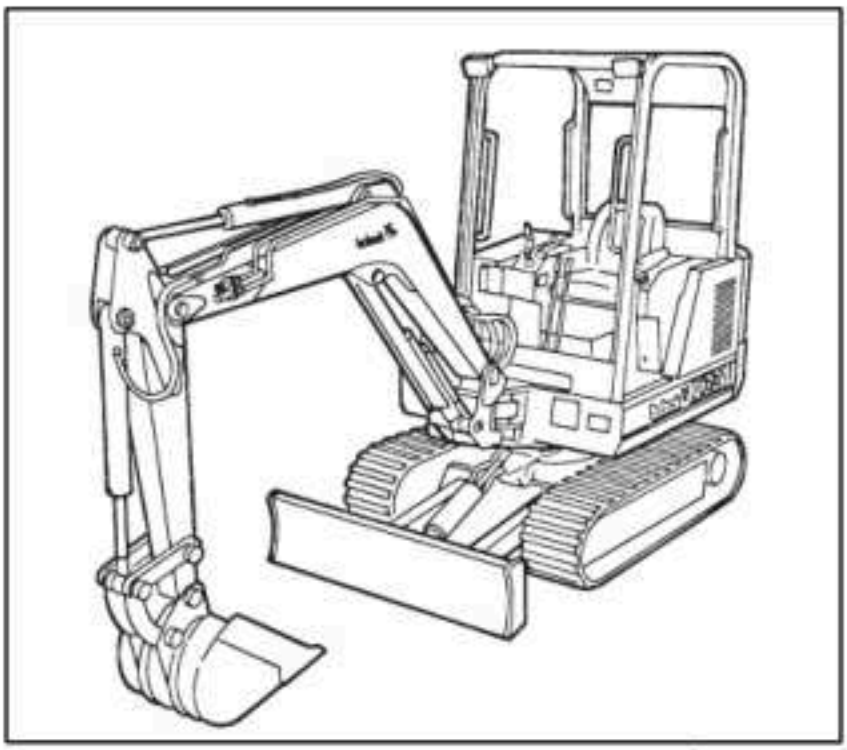
X 331
X 331E
X 334

Excavator

Service Manual

331 (S/N 512913001 & Above)
331E (S/N 517711001 & Above)
334 (S/N 516711001 & Above)



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bobcat

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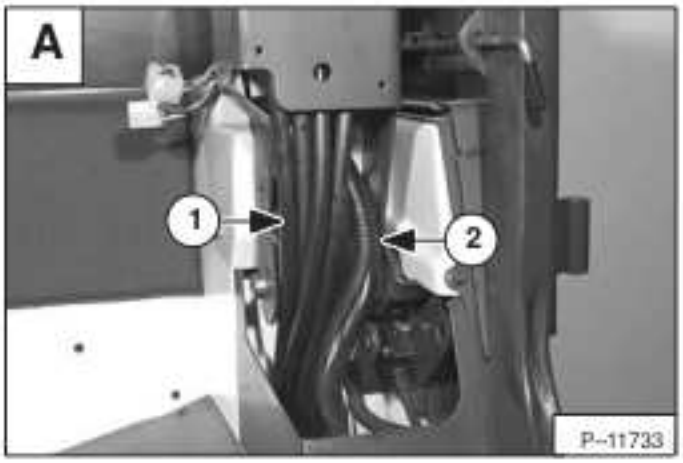
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CONTENTS

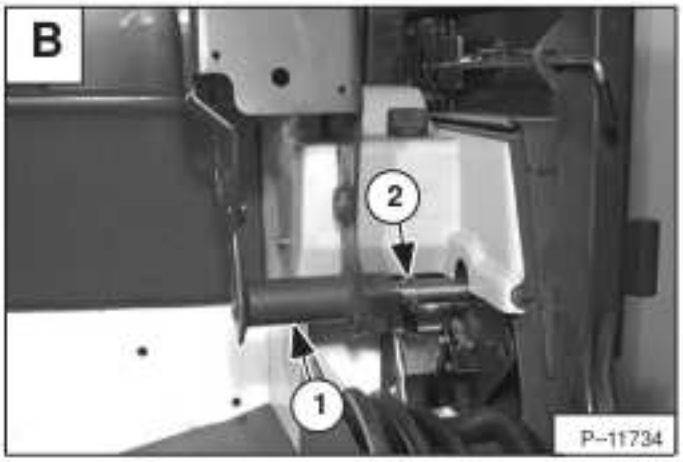
SAFETY INSTRUCTIONS v
FOREWORD iii
SERIAL NUMBER LOCATIONS vi
DELIVERY REPORT vi
MACHINE SIGNS TRANSLATIONS (Decals) ix
HYDRAULIC EXCAVATOR IDENTIFICATION viii
PREVENTIVE MAINTENANCE 1–1
HYDRAULIC SYSTEM 2–1
DRIVE SYSTEM 3–1
UPPER WORKS & SWING SECTION 4–1
MAIN FRAME & TRACKS 5–1
ELECTRICAL SYSTEM 6–1
ENGINE SERVICE 7–1
SPECIFICATIONS 8–1

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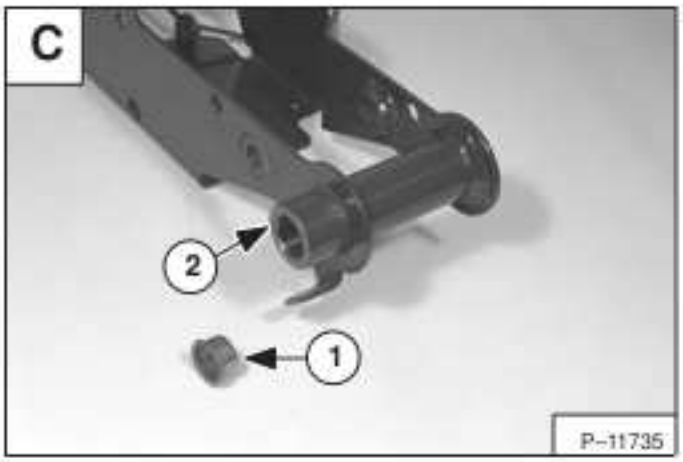
Reposition the joystick hoses (Item 1) **[A]** and wire harness (Item 2) **[A]** out of the console.



Slide the console (Item 1) **[B]** and spacer (Item 2) **[B]** off of the console mount.



Remove the bushing (Item 1) **[C]** from both ends of the console pivot (Item 2) **[C]**.



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TROUBLESHOOTING

The following troubleshooting chart is provided for assistance in locating and correcting problems which are most common. Many of the recommended procedures must be done by authorized Bobcat Service personnel only.

⚠ WARNING

Instructions are necessary before operating or servicing machine. Read Operation & Maintenance Manual, Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Failure to follow instructions can cause injury or death [A].

W–2003–0797

PROBLEM	CAUSE
Battery will not take a charge.	1, 2, 3, 4, 5
Alternator will not charge.	1, 2, 5
Starter will not turn the engine.	2, 3, 4, 6, 7, 8, 9

KEY TO CORRECT THE CAUSE

1. Alternator belt is loose or damaged.
2. Battery connections are dirty or loose.
3. Battery is damaged.
4. The ground connection is not making a good contact.
5. The alternator is damaged.
6. The engine is locked.
7. The starter is damaged.
8. The wiring or the solenoid is damaged.
9. Check the fuses.

ELECTRICAL SYSTEM

Description

The excavator has a 12 volt, negative ground electrical system. There are two main circuits.

1. The charging circuit has an alternator (with integral regulator) and a battery.
2. The starting circuit has a starter motor, solenoid and starter switch for starting the engine.

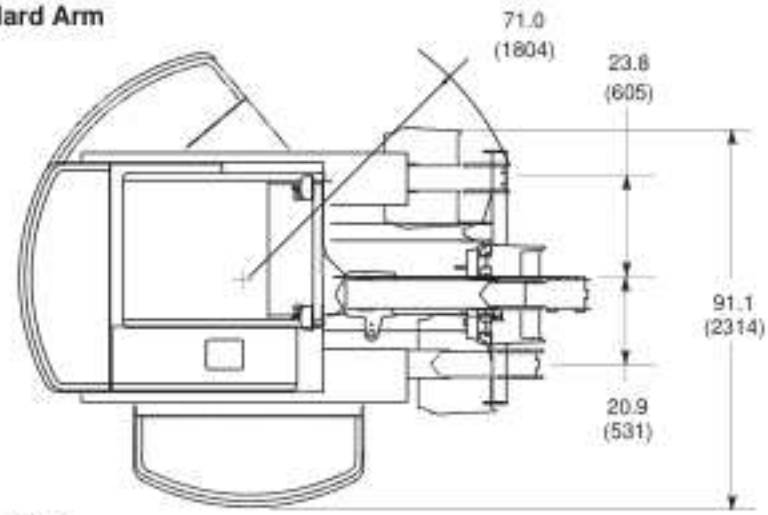
Fuses protect the electrical system from an overload. The reason for the overload must be found before starting the engine.

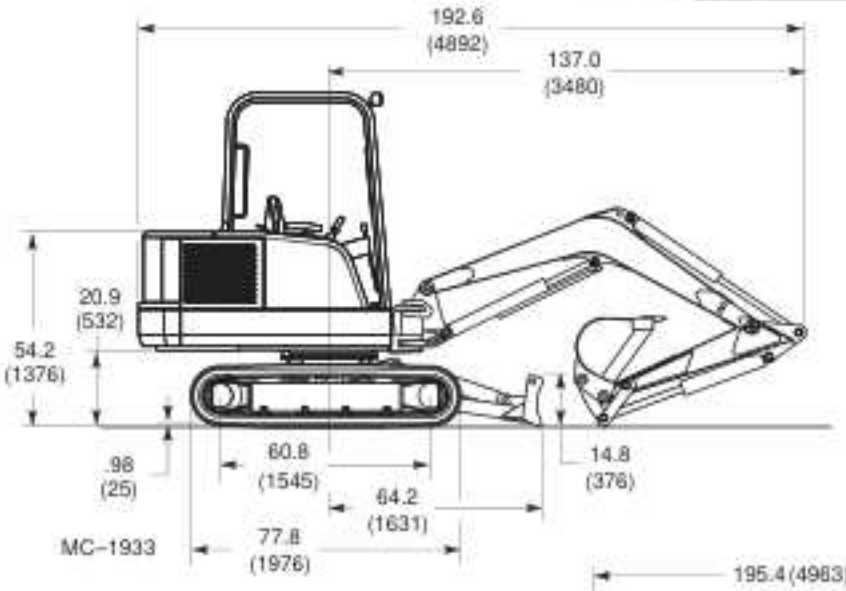
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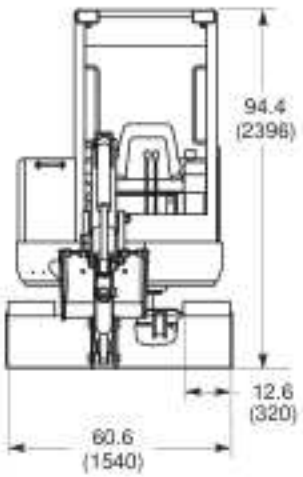
HYDRAULIC EXCAVATOR SPECIFICATIONS

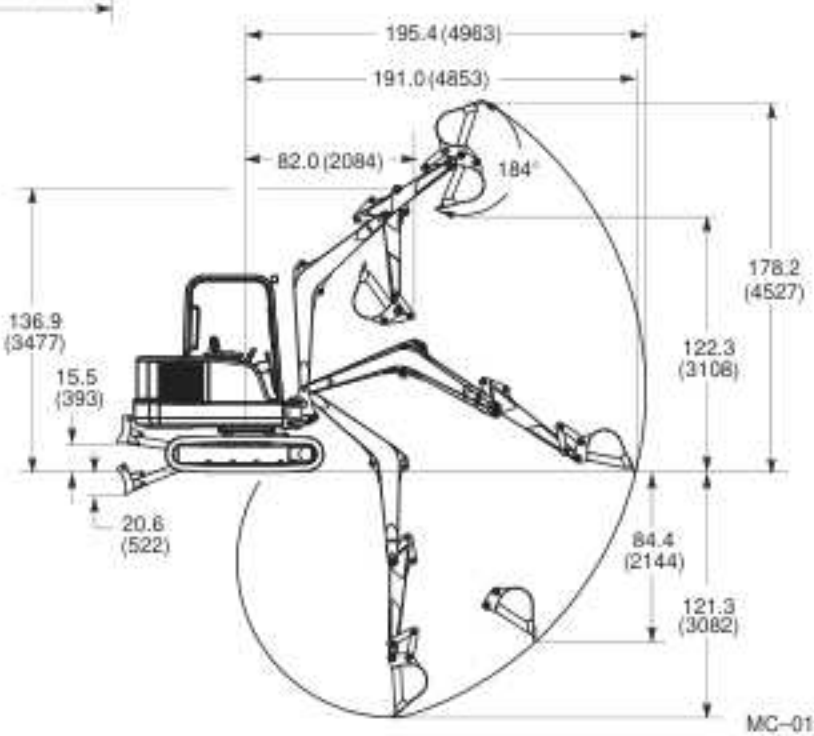
- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE standards. Specifications are subject to change without notice.

Machine Dimensions
(331 S/N 512913001 & Above) Standard Arm





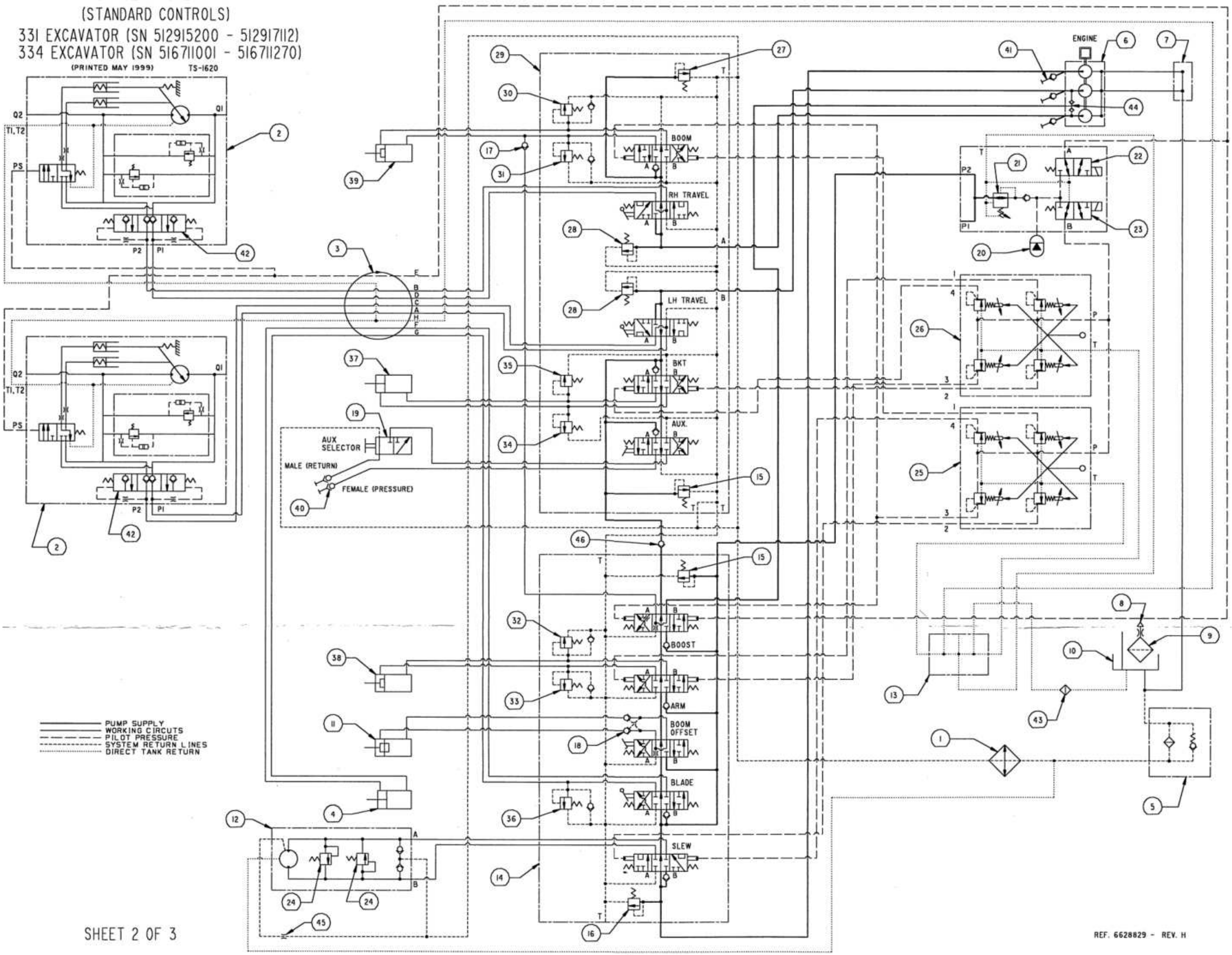




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HYDRAULIC SCHEMATIC
(STANDARD CONTROLS)
331 EXCAVATOR (SN 512915200 - 512917112)
334 EXCAVATOR (SN 516711001 - 516711270)

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SHEET 2 OF 3

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