CRAWLER EXCAVATOR

SERVICE MANUAL

HX17E

HYUNDAI

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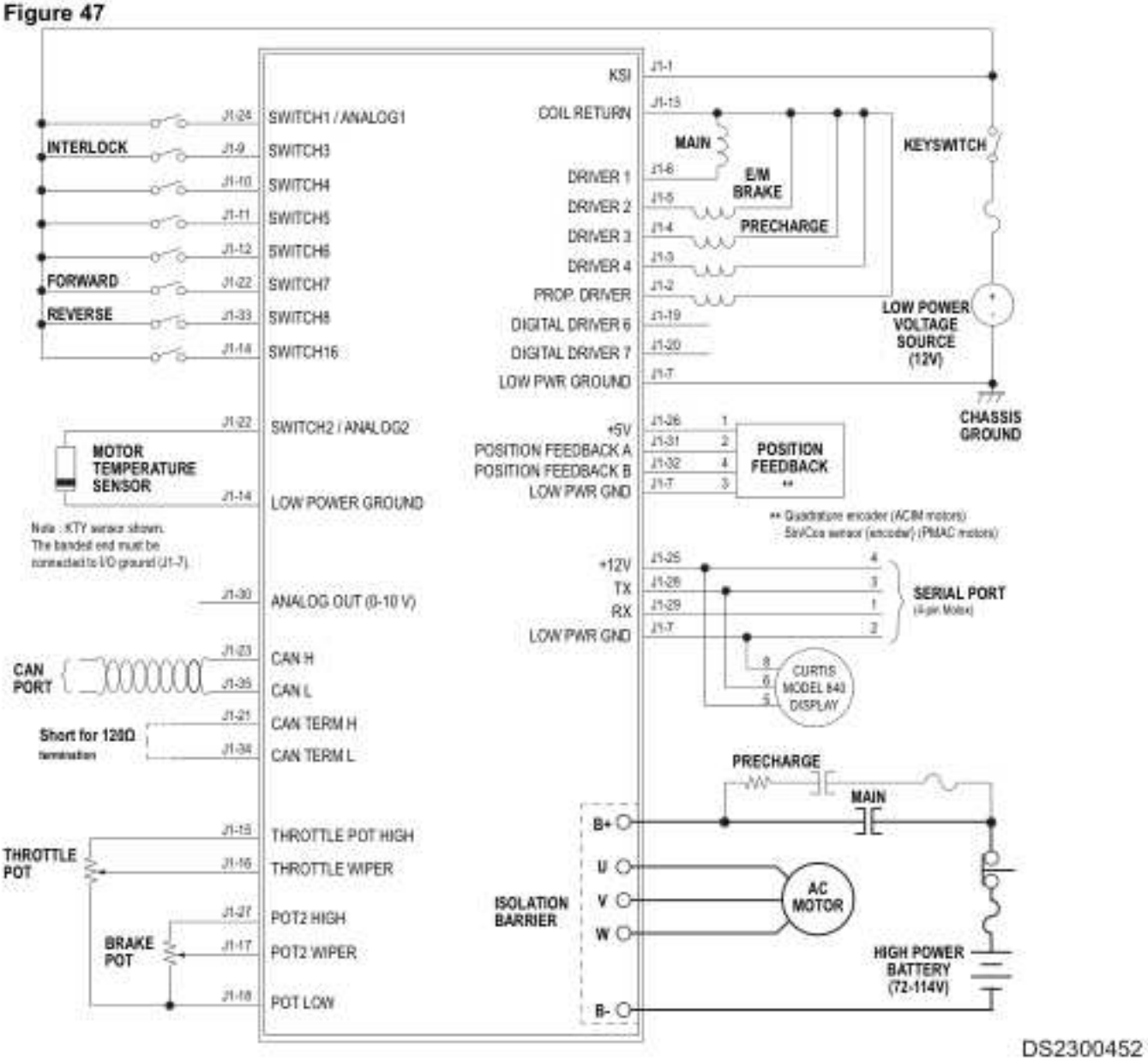
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Inverter

Nominal Voltage	60 - 84 V (12V)
Peak Current	550 Arms (2 min.)
IP grade	IP 65
Weight	app. 6.8 kg
Dimension (L x W x H)	275 x 232 x 85
Operating Ambient Temperature	-40 to 50 degrees in Celsius

Typical Wiring

Figure 47



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Cabin Switches

Repair Procedure Quick Guide

Step-B. Remove armrest

Step-C. Remove stand cover

Step-D. Disconnect wiring harness

Step-E. Remove switches

Removal

1. Open the rear cover.
2. Turn OFF the battery disconnect switch.

Arm Rest

1. Remove the mounting bolts (1) from arm rest.
   - Tool: 13 mm
   - Torque: 29.4 N.m (3 kg.m, 21.7 ft lb)
2. Remove arm rest (2) from stand.

Figure 90

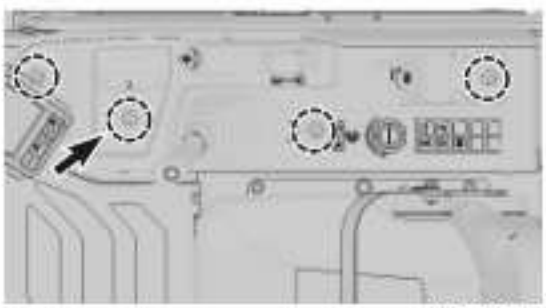


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Stand Cover

1. Remove the mounting screws and covers from upper cover.
2. Lift off the upper cover.

Figure 91

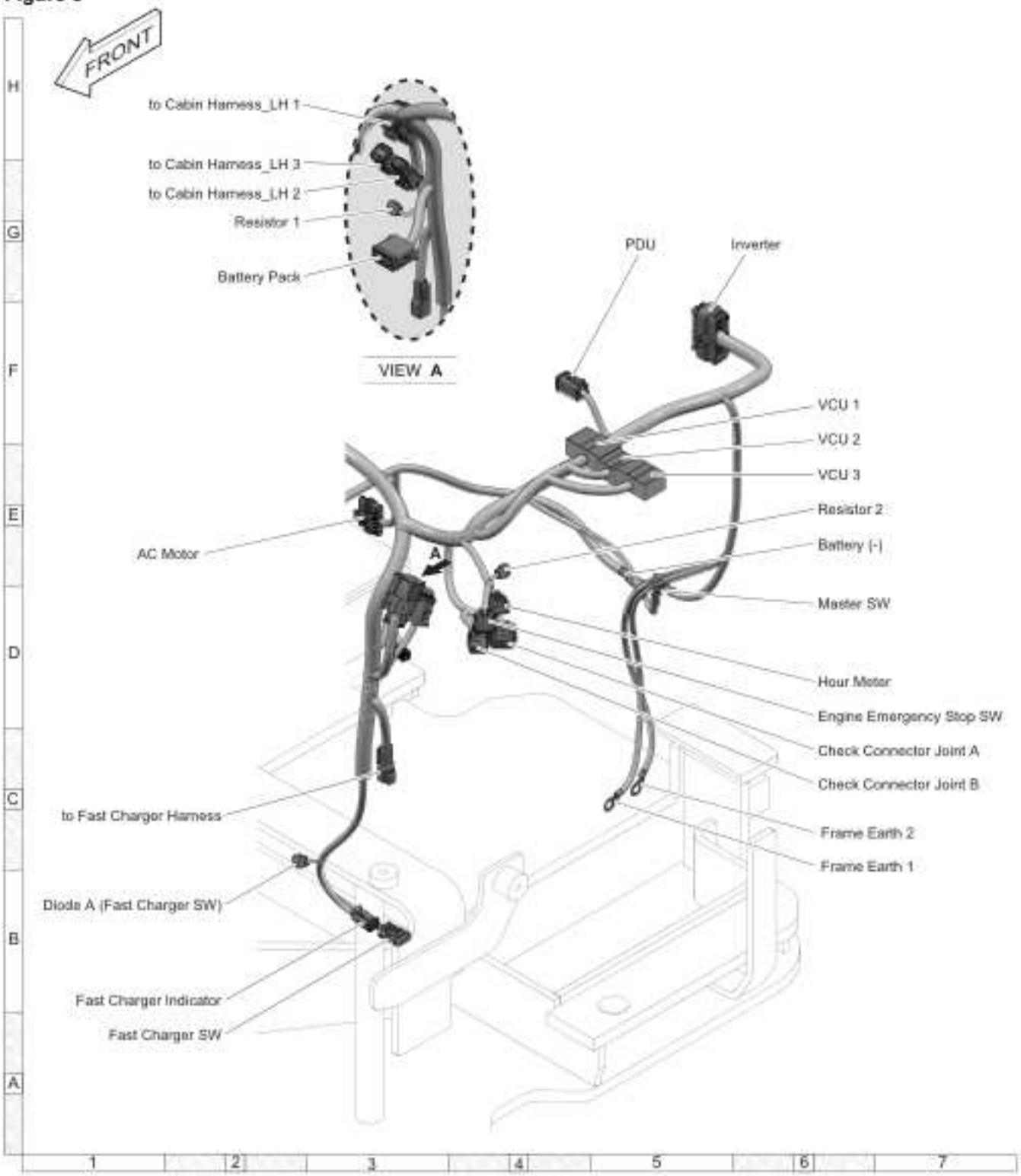


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Main Harness (2/2)

Figure 3



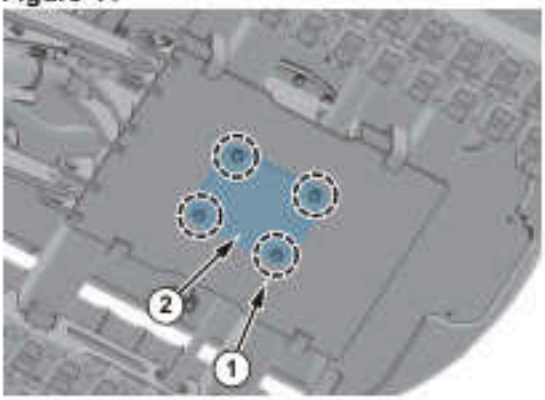
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Undercarriage Cover

1. Remove bolts (1) and under cover (2) from frame.
   - Tool: 17 mm
   - Torque: 63.7 N.m (6.5 kg.m, 47.0 ft lb)
   - Undercover Weight: about 2 kg (4.4 lb)

Figure 44



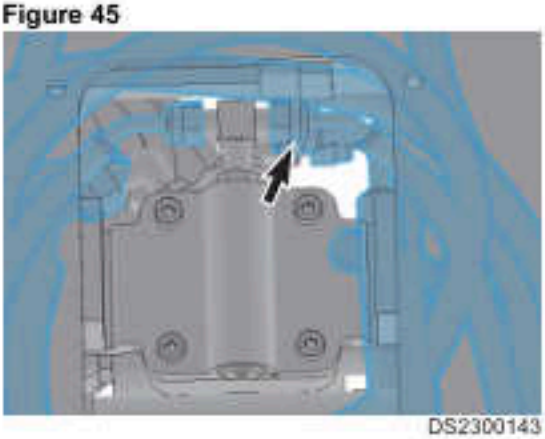
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Hydraulic Hoses and Fittings - Center Joint

1. Remove under hoses and adapters from center joint.

   NOTE: *Attach identification tags to the removed hoses for reassembling. After disconnecting hoses, plug them to prevent dirt or dust from entering. Disconnect the hoses from the bottom to top of center joint.*

Figure 45

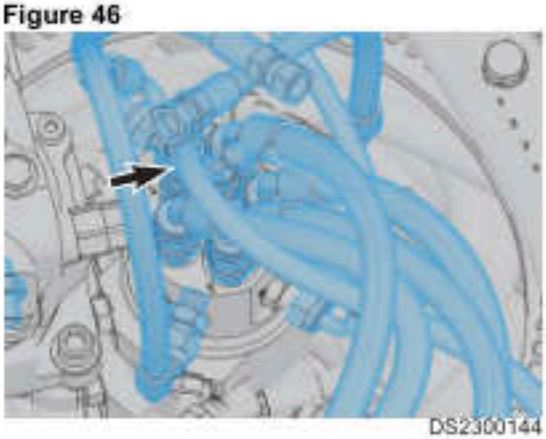


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2. Remove upper hoses and adapters from center joint.

   NOTE: *Attach identification tags to the removed hoses for reassembling. After disconnecting hoses from center joint, plug them to prevent dirt or dust from entering. Disconnect the hoses from the bottom to top of center joint.*

Figure 46



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Center Joint

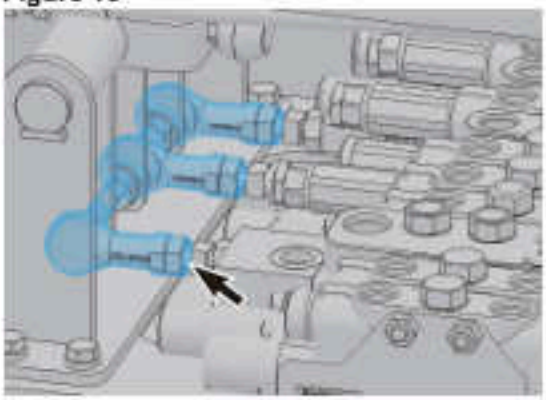
1. Position suitable pallet jack under center joint.
2. Place blocks of wood can be used between the center joint and the pallet jack.

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Main Control Valve

1. Separate joint balls from main control valve.

Figure 16

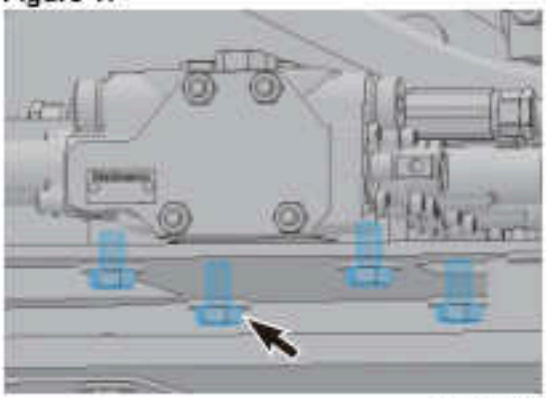


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2. Remove mounting bolts from frame.
   - Tool: 17 mm
   - Torque: 63.7 N.m (6.5 kg.m, 47 ft lb)
   - Main control valve weight: 28 kg (61.7 lb)

   NOTE: *Apply adhesive (Loctite #262) to the mounting bolt.*

Figure 17

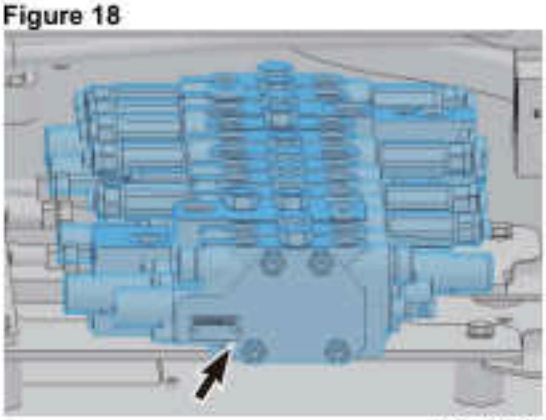


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3. Remove main control valve from frame slowly and carefully.

   NOTE: *Make sure there are no other electrical wire and hoses connected to assembly.*

Figure 18



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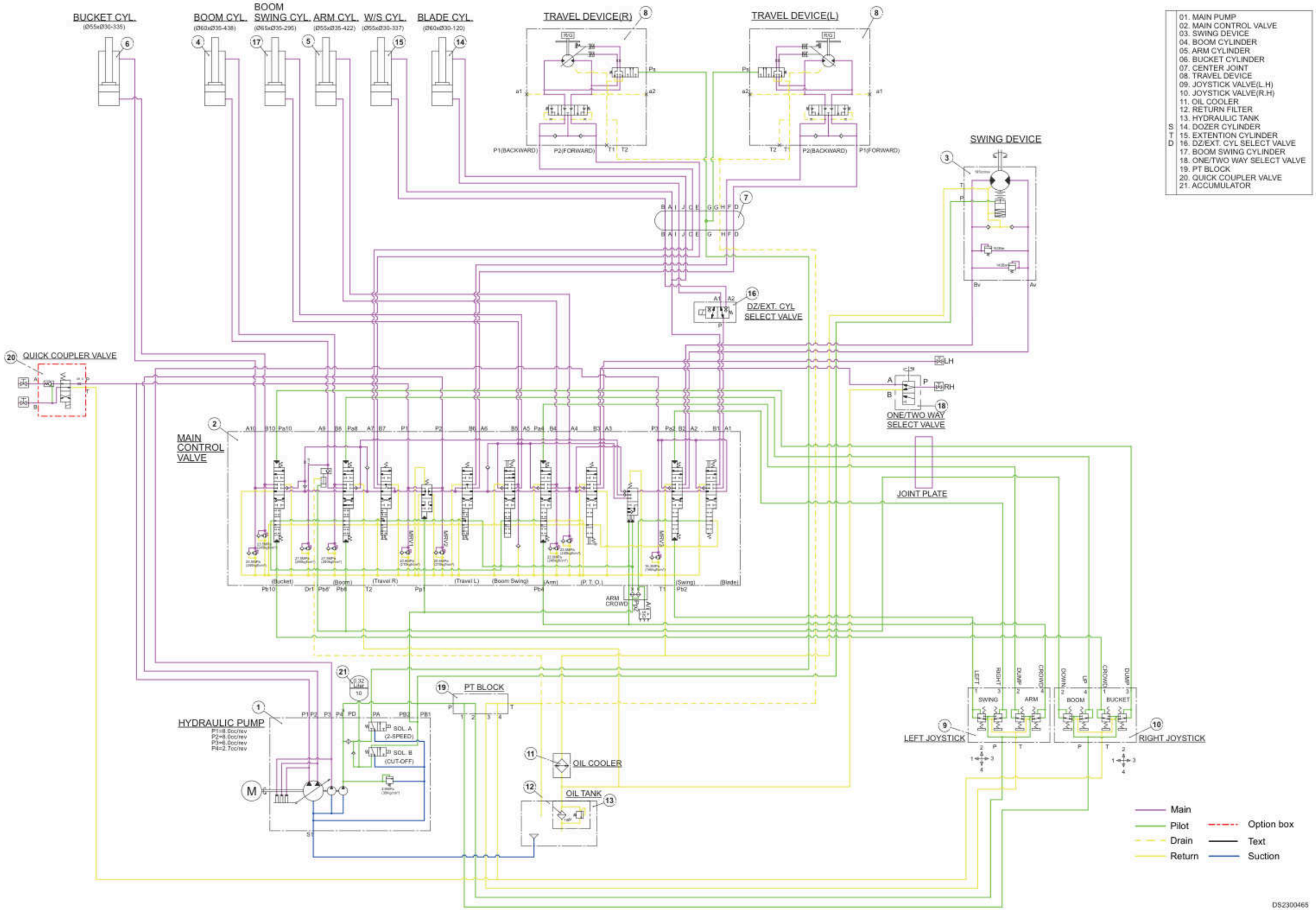
Installation

1. Perform installation in the reverse order to removal.

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Hydraulic Schematic

	01. MAIN PUMP
	02. MAIN CONTROL VALVE
	03. SWING DEVICE
	04. BOOM CYLINDER
	05. ARM CYLINDER
	06. BUCKET CYLINDER
	07. CENTER JOINT
	08. TRAVEL DEVICE
	09. JOYSTICK VALVE(L.H)
	10. JOYSTICK VALVE(R.H)
	11. OIL COOLER
	12. RETURN FILTER
	13. HYDRAULIC TANK
S	14. DOZER CYLINDER
T	15. EXTENTION CYLINDER
D	16. DZ/EXT. CYL SELECT VALVE
	17. BOOM SWING CYLINDER
	18. ONE/TWO WAY SELECT VALVE
	19. PT BLOCK
	20. QUICK COUPLER VALVE
	21. ACCUMULATOR



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