CEBM018200

Shop Manual

730E TROLLEY

DUMP TRUCK

SERIAL NUMBERS **A30403 & A30406**

KOMATSU®

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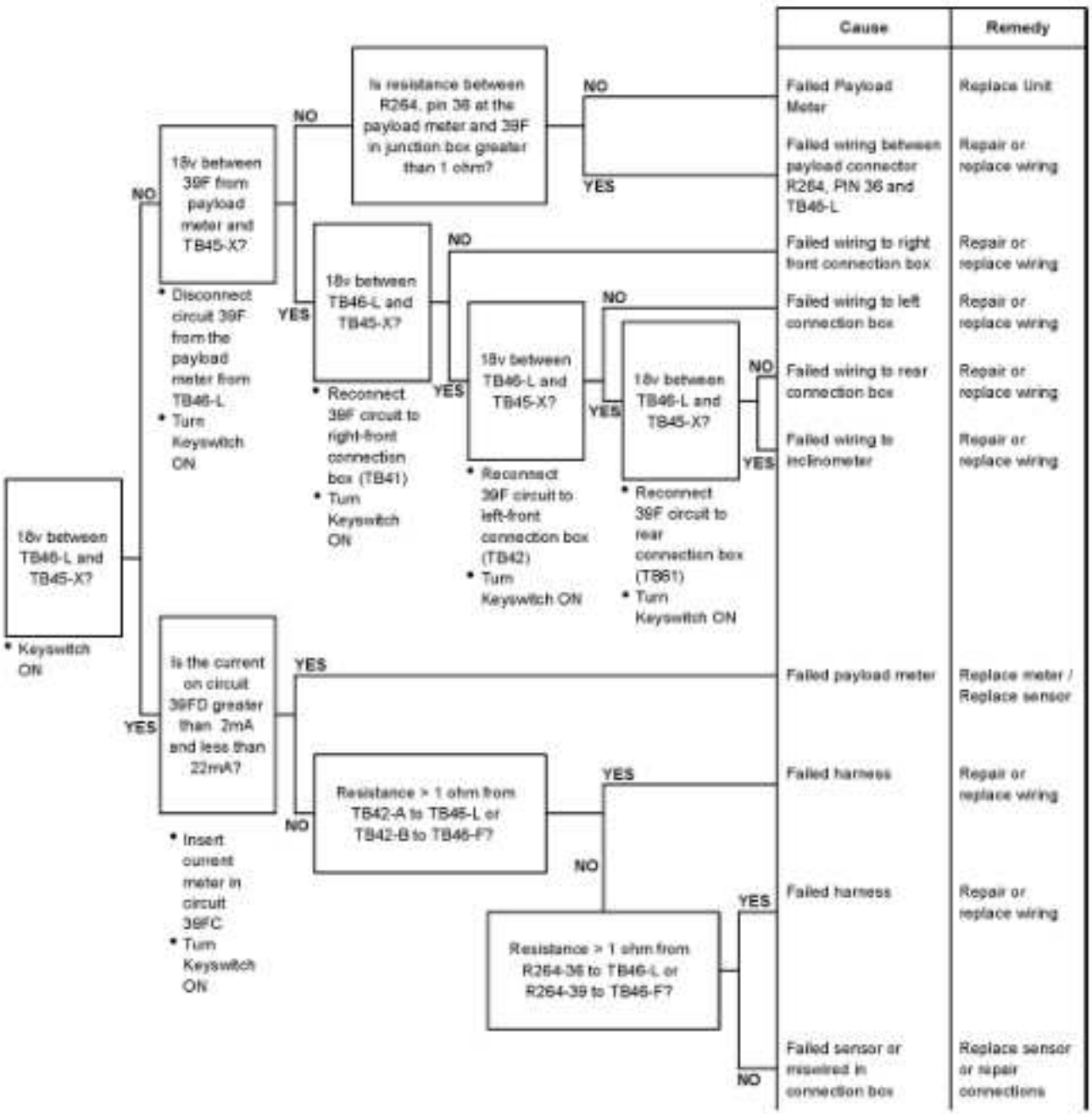
Alarm 1 - Left-Front Pressure High

Alarm 2 - Left-Front Pressure Low

Troubleshoot Wiring to Left-Front Suspension

These alarms indicate that the current being read by the payload meter is higher than 22ma or lower than 2ma. The pressure sensor is designed to output 4-20ma over a pressure range of 4000 psi.

- Confirm 18v sensor supply at TB46-L in payload junction box.
- Confirm proper connection of signal circuit 39FD from left suspension connection box, TB42-B to payload junction box TB46-F to payload meter connector R264, pin 39.



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⚠WARNING

The hoist cylinder weighs approximately 1000 kg (2200 lbs). Some means of support is necessary to prevent it from falling or causing injury when removing from the truck. Use a suitable lifting device that can handle the load safely.

4. At the upper mount, remove lock nut (4, Figure 8-17) from the pin retaining cap screws. Remove cap screw (5). Use a brass drift and hammer to drive pin (1) from the bore of the mounting bracket.
5. Carefully lower the cylinder until it lays against the inside dual tire. The hoist cylinder weighs approximately 1000 kgs (2200 lbs). Attach a suitable lifting device that can handle the load safely to the upper cylinder mounting eye.
6. Install a retaining strap or chain to prevent the cylinder from extending during handling.
7. At the lower mount, straighten the lock plate tabs to allow cap screw removal. Remove all cap screws (1, Figure 8-18), lock plate (2), and retainer (3).
8. Carefully remove the cylinder from the frame pivot by pulling outward. Move the cylinder to a clean area for disassembly.

NOTE: DO NOT lose spacer (6, Figure 8-18) between the cylinder bearing and the frame.

9. Clean the exterior of the cylinder thoroughly.

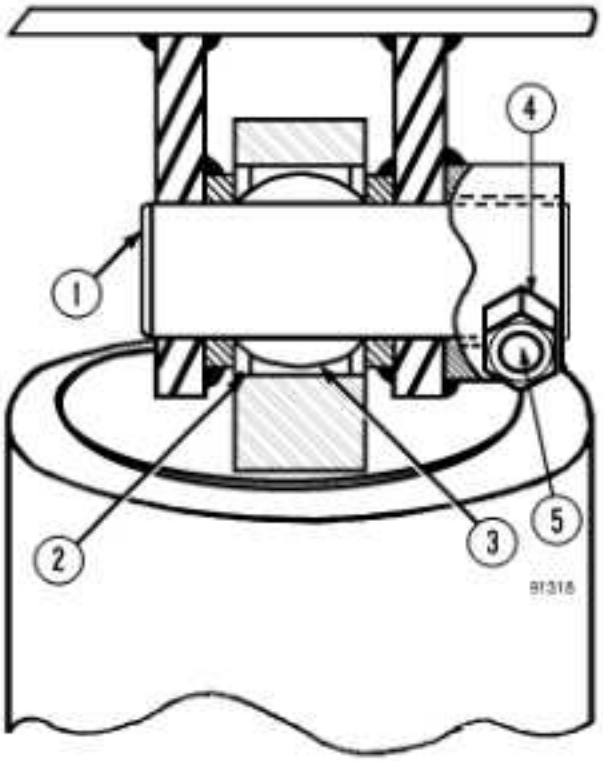


FIGURE 8-17. HOIST CYLINDER UPPER MOUNT

1. Pin
2. Retainer Ring
3. Bearing
4. Locknut
5. Cap Screw

Installation

⚠WARNING

Install a retaining strap or chain to prevent the cylinder from extending during handling. The hoist cylinder weighs approximately 1000 kg (2200 lbs). Use a suitable lifting device that can handle the load safely.

NOTE: Before installing the cylinder, inspect the hoist stub shaft in the inner curvature area for possible cracks.

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SPINDLE PUSHER TOOL DIMENSIONS		
Item	**Description**	**Dimension**
A	Plate Bolt Hole Diameter	34.8 mm (1.37 in.)
B	Plate O.D.	453.9 mm (17.87 in.)
C	Bolt Circle Diameter	393.7 mm (15.5 in.)
D	Plate I.D.	50.8 mm (2.00 in.)
E	Plate Thickness	34.8 mm (1.37 in.)
F	Pusher Cylinder Height	114.3 mm (4.50 in.)
G	Pusher Cylinder O.D.	247.7 mm (9.75 in.)
H	Pusher Cylinder I.D.	152.4 mm (6.00 in.)
I	Cylinder Wall Thickness	47.8 mm (1.88 in.)

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5. Remove the rotor from the rotor shaft.

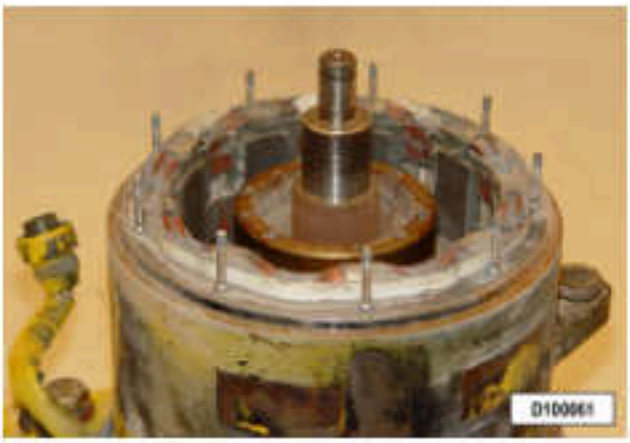


FIGURE 10-50.

Drive End Housing Removal

⚠ IMPORTANT ⚠

Ensure the single mark has been scribed between drive end housing (20) and shell (58). This mark will be used during the assembly process to correctly align the two parts.

1. Position the support stand so the large diameter hole is facing up.



FIGURE 10-51.

2. Place the alternator in the support stand with the drive end facing up.



FIGURE 10-52.

3. Remove cover plate (7) by removing six Torx screws (6) using a number T20 Torx bit.

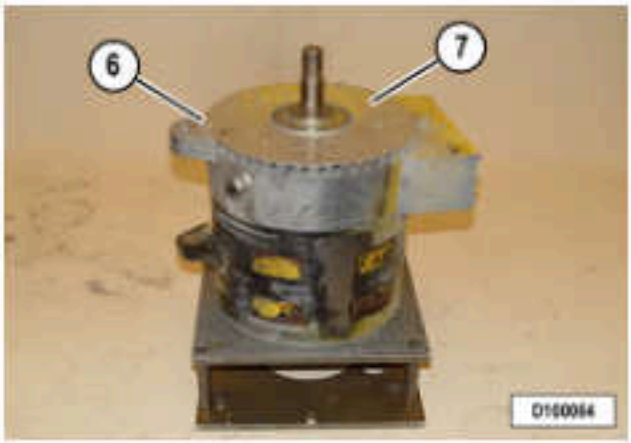
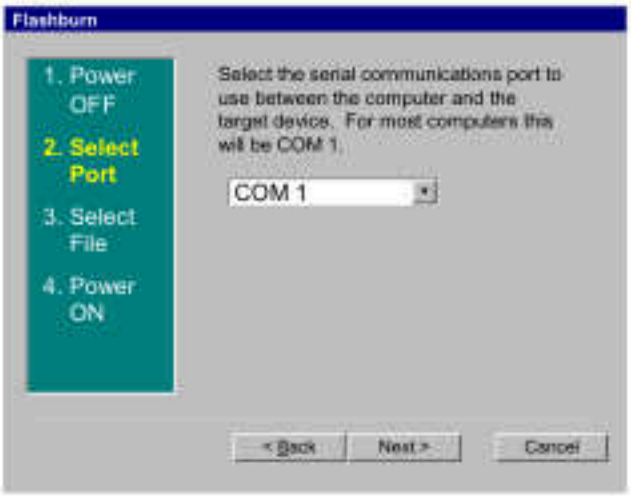


FIGURE 10-53.

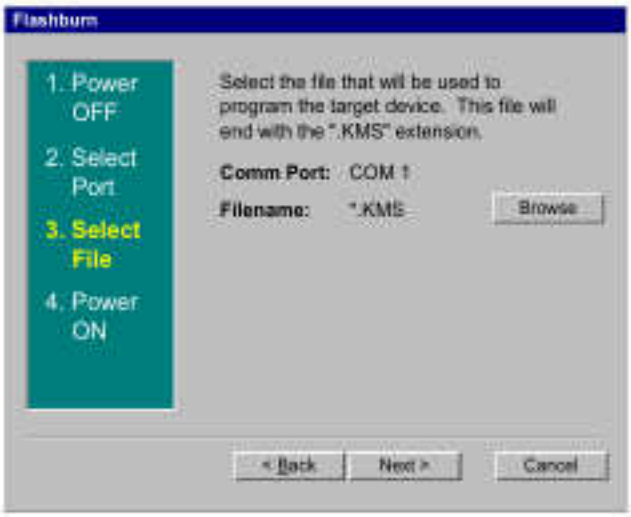
6. Screw 7. Cover Plate

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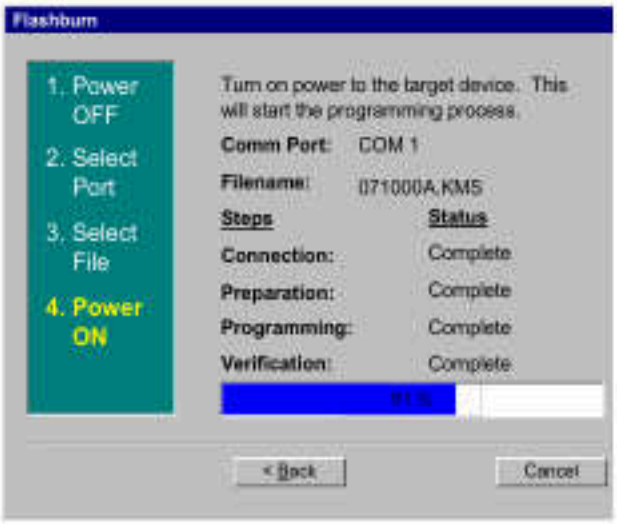
4. Confirm the proper communications port for the programming laptop. This is usually COM 1. Press "NEXT".



5. Press "BROWSE" and select the .kms file to program into the payload meter. Press "NEXT".

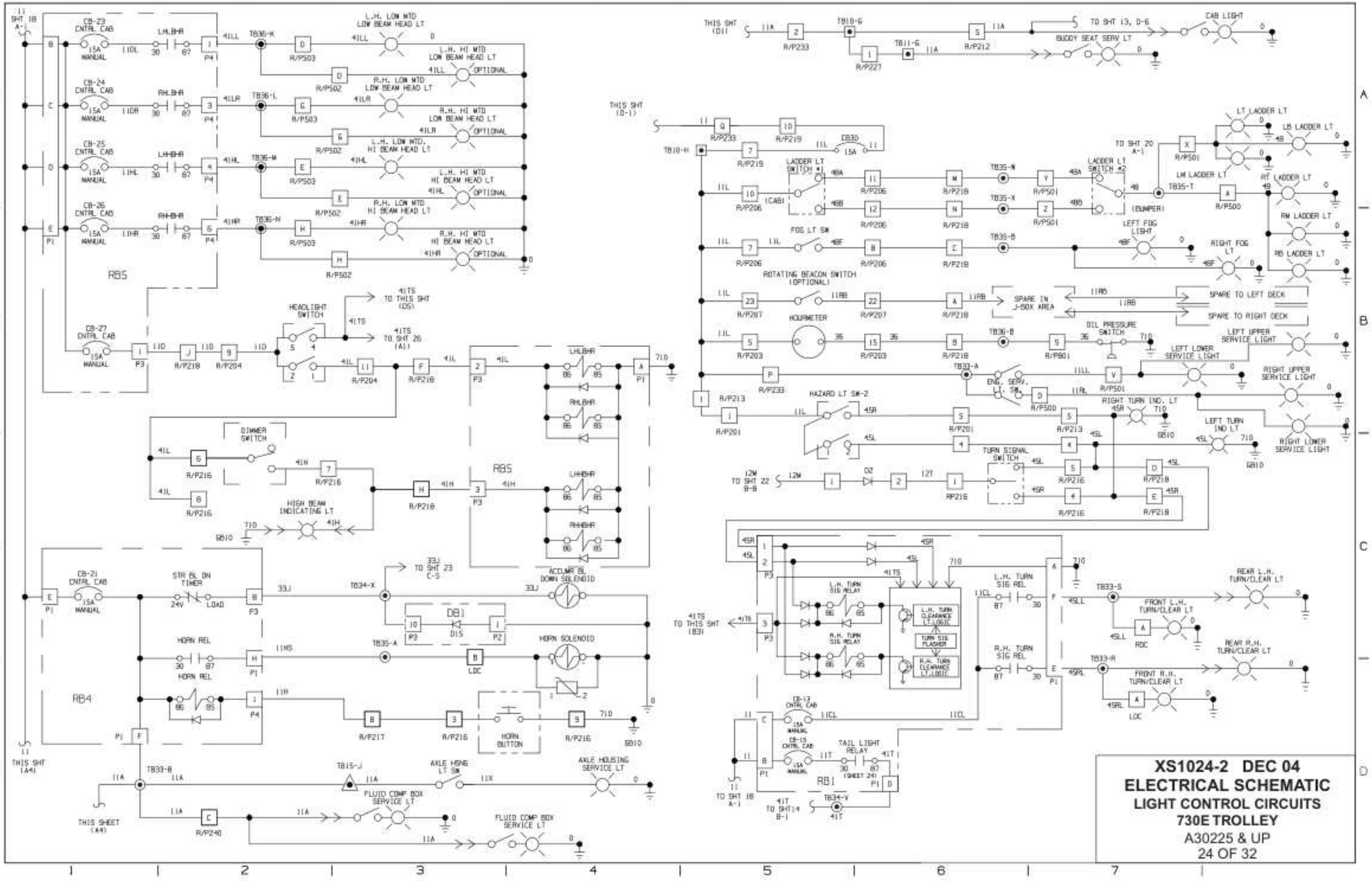


6. When instructed, turn the key switch on in order to power-up the payload meter. The PC will begin to reprogram the payload meter. This process takes approximately five minutes.



7. After successful programming, turn the key switch off.
8. Wait 20 seconds and turn the key switch on.
9. The payload meter will need to be configured as instructed in the manual using the Payload Data Manager software on the laptop computer.

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