

Description

See Figure 1. The Pro-Meter II Bulk Unloader J-Box Module provides the interface between the Rhino SD2/XD2 pump control components and the Nordson controller.

The light tower alerts an operator when an unloader fault occurs or an empty drum condition exists. Pump faults within the controller can be reset by pressing the fault reset push button located on the front of the J-box.

The Pump A and B I/O cables connect to the solenoid valves and the proximity sensors on the pumps. The solenoid valves control the supply air to the air motors on the pumps. The proximity sensors monitor the downward movement of the follower plates on the pumps. The following is an example:

- When the Pump A follower plate reaches the bottom of the material container, the system controller deactivates the Pump A air motor.
- If Pump B has a full material container and is ready to be put into service, the system controller activates the Pump B air motor.
- Once Pump B is put into service, the material container can be changed on Pump A.

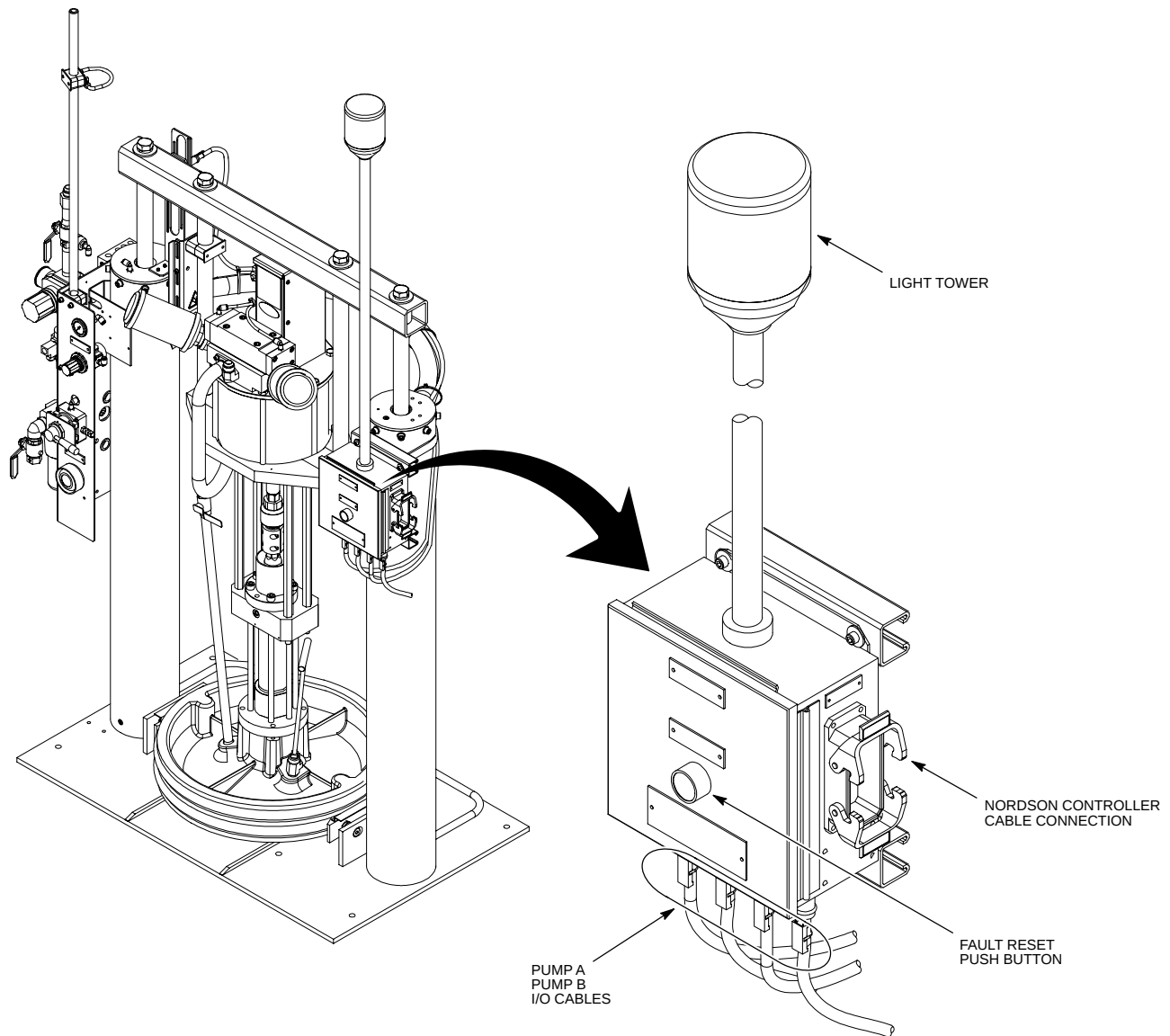


Figure 1 Rhino SD2/XD2 Pro-Meter II Bulk Unloader J-Box Module

Installation



WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

NOTE: Have an assistant help with installing the J-box onto a frame.

1. See Figure 2. Loosen the nuts (3) and screws (4) on the clamps (2). Install the top clamp (2) above the air crossover tube (5).

2. Install the J-box (1) onto the clamps (2). Tighten the nuts (3) and screws (4) securely.

NOTE: Each Pump-A and Pump-B cable has an identification tag.

3. See Figure 3. Connect the Pump-A, Pump-B, and controller cables as shown.
4. Use the supplied tie wraps to secure the cables.

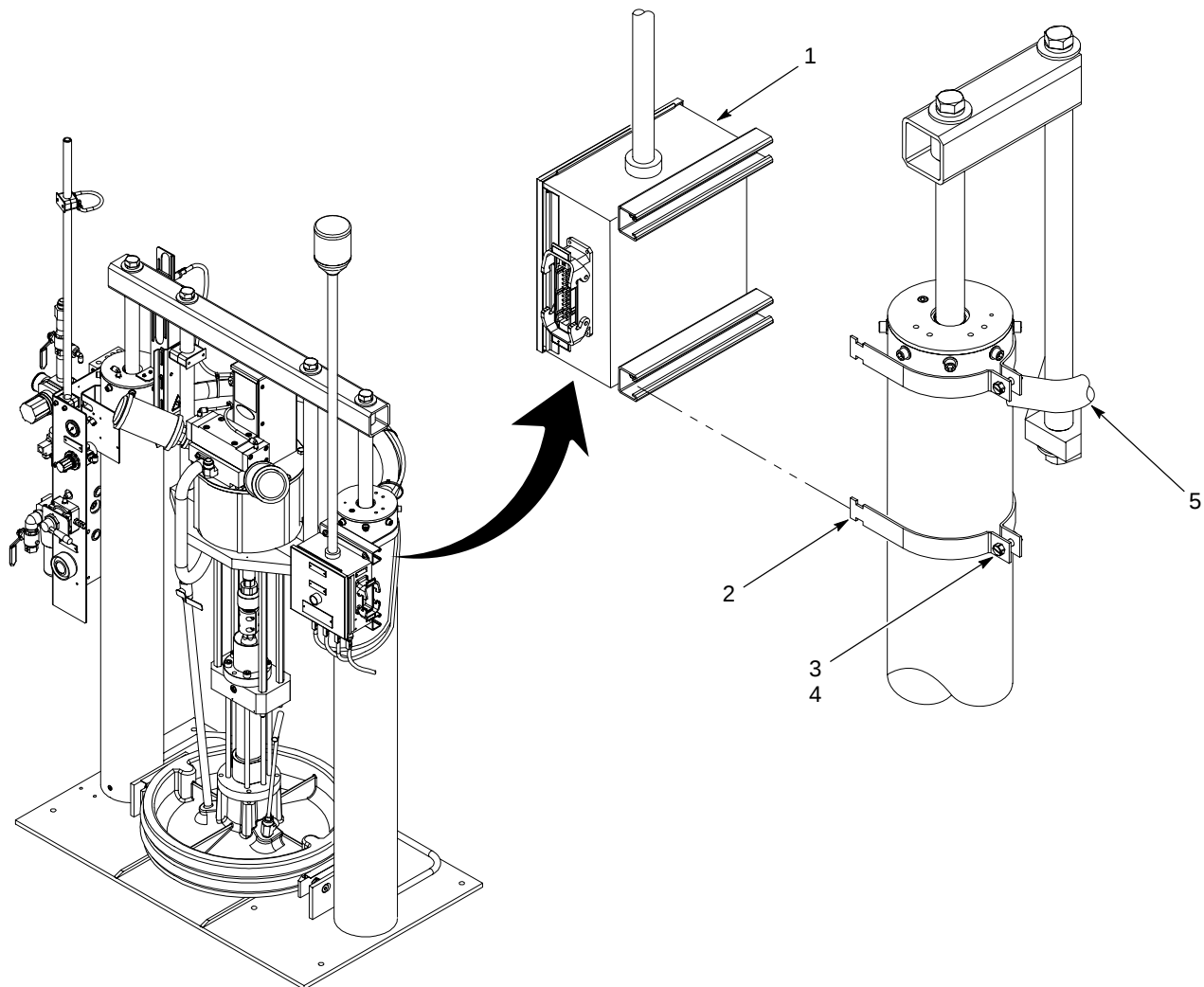


Figure 2 Cable Connections

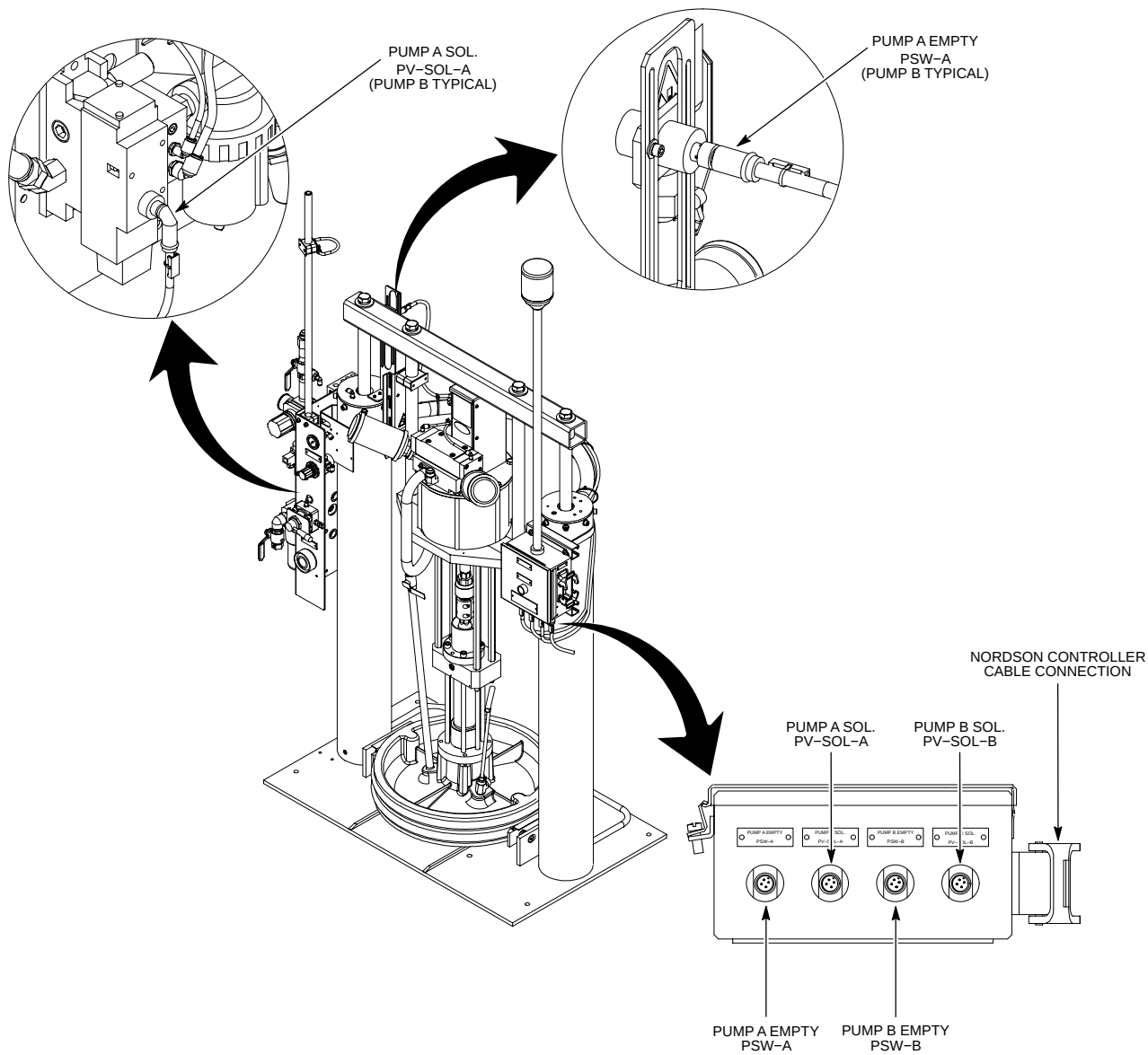


Figure 3 Cable Connections

Parts

See Figure 4. To order parts, call the Nordson Customer Service Center or your local Nordson representative.

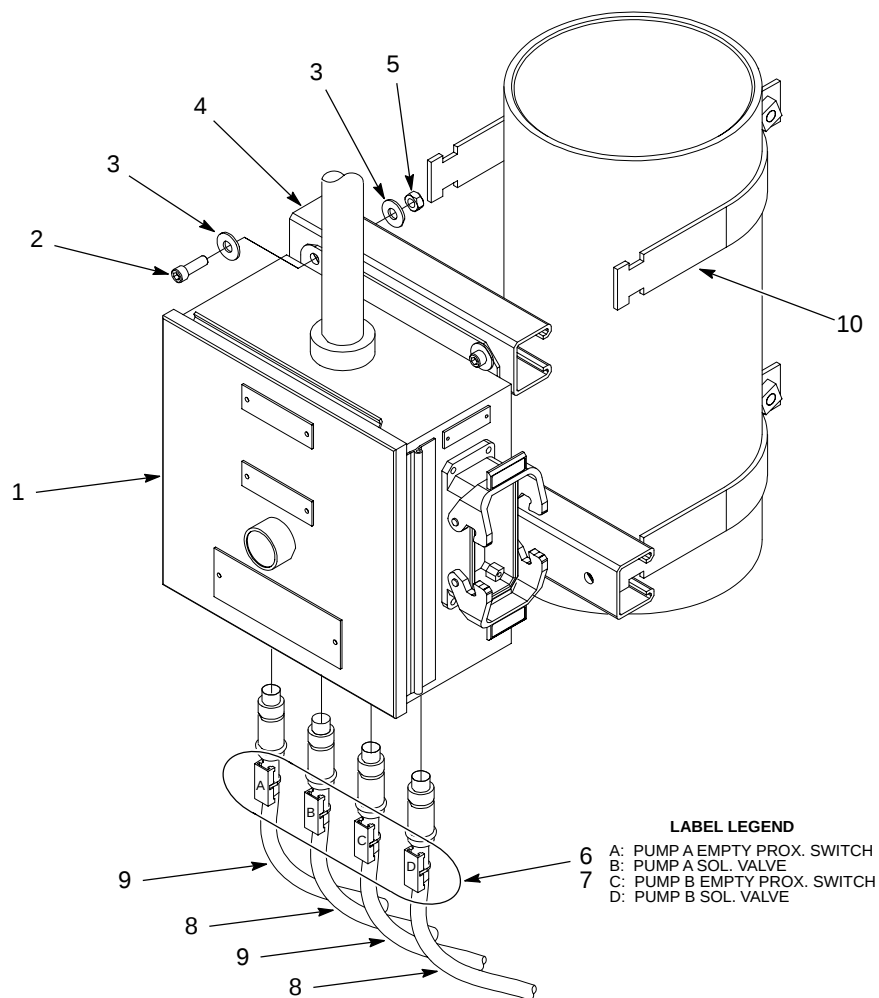


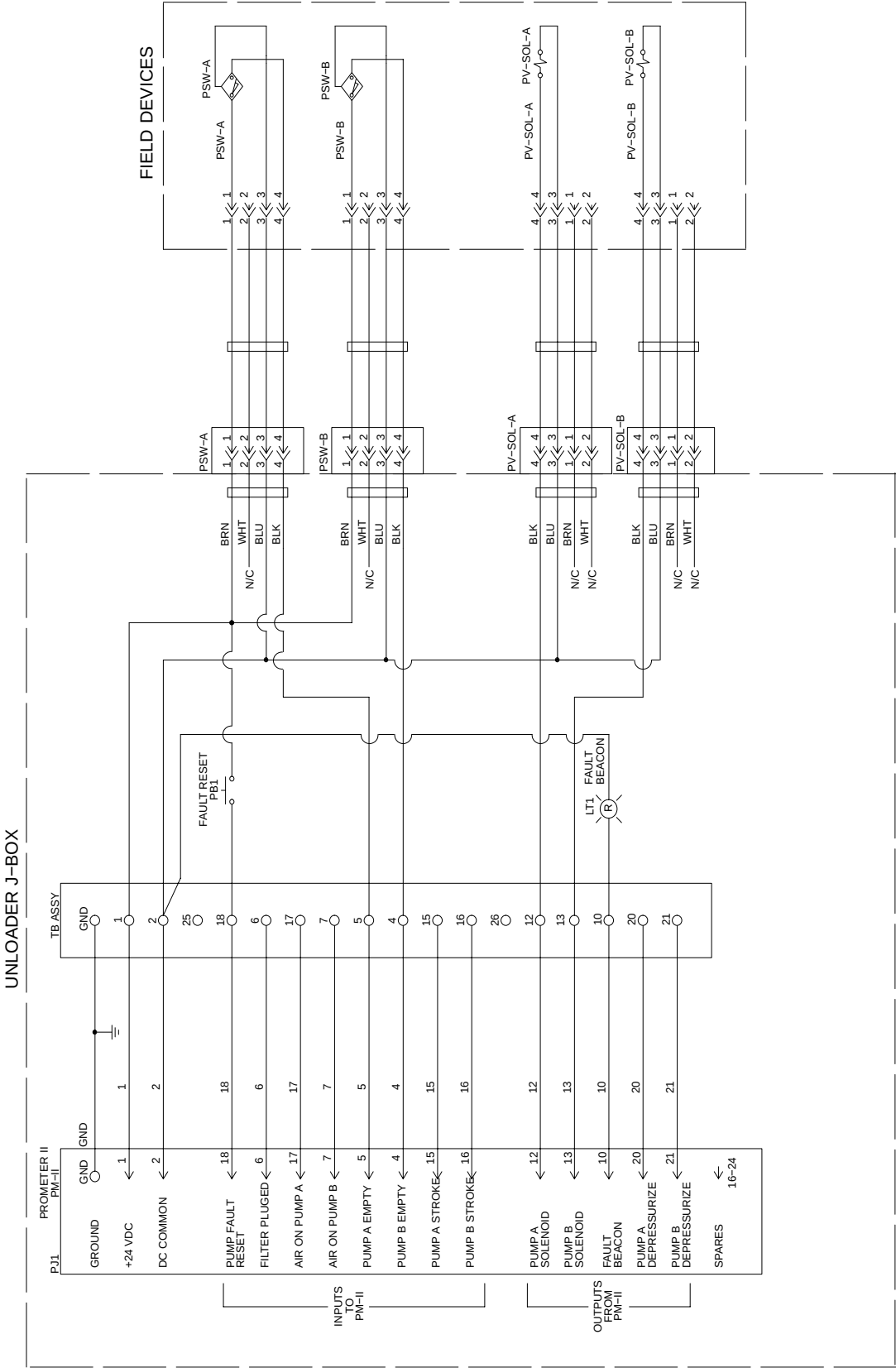
Figure 4 Parts

Item	Part	Description	Qty	Note
—	1065149	Module, J-box, Pro-Meter II, Rhino SD2/XD2	1	
1	1065146	• J-Box	1	
2	345750	• Screw, socket, 1/4-20 x 0.75	4	
3	983504	• Washer, flat, 0.281 x 0.734 x 0.063	8	
4	1050240	• Channel, module clamping	2	
5	984217	• Nut, hex, lock, 1/4-20 UNC-2B	4	
6	1065200	• Kit, Label, J-box, runaway	1	
7	939110	• Strap, cable	8	
8	1065145	• Cable, 90-degree, 4-pin, Micro, DC, 18 AWG, 4 m	2	
9	1045884	• Cable, 4-pin, Micro DC, 18 AWG, 4 m	2	
NS	324289	• Cable, strap	13	
10	1008914	Clamp, 6.5 in., large frames	2	A

NOTE A: The clamps are not included with the J-box and must be ordered separately.

NS: Not Shown

Schematic



Notes:

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Issued 7/07

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