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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 4-4-2006 **BULLETIN NO:** 06-003

TITLE: JUPITER MONITOR CONVERSION GROUPS

RATING:

<input type="checkbox"/>	DIRECTIVE (Action Is Required)	<input type="checkbox"/>	ALERT (Potential Problem)
<input checked="" type="checkbox"/>	INFORMATION (Action Is Optional)	<input type="checkbox"/>	PRODUCT IMPROVEMENT (Enhance Product)

PRODUCT SERIES / MODEL: W96E3-34 / 36 / 38 / 40 / 41 / 42 TOP GUN™ Spike Drivers

SERIAL NO: All W96E3 Models with Jupiter Control System

SUMMARY: Our vendor has obsoleted the existing Jupiter Monitor part #199810 as a repair part and it is being replaced by new Jupiter Monitor Conversion Groups applicable to your model of machine. The Conversion Groups include a new monitor, face panel, decal and operating software.

OPERATIONAL IMPACT: To provide a Conversion Group applicable to your model of machine to replace the obsoleted Jupiter Monitor with a new Jupiter Monitor.

ACTION: See the Ordering Instructions in this Service Bulletin before ordering a new Jupiter Monitor Conversion Group. Follow the Installation Instructions in this Service Bulletin to install the new Jupiter Monitor Conversion Group.

CONTACT: If you have any questions or if we can be of any service, please contact the Service Department at the Columbia, SC. facility, 803-822-9160.

SAFETY INFORMATION

- n FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.**

CONVERSION GROUP ORDERING INSTRUCTIONS - See Figure 1 and Figure 2

Be able to provide the following information for each machine that the new Jupiter Monitor Conversion Group is to be installed on when placing an order:

1. Machine Model Number and Serial Number.
2. Jupiter Control System Program Number / Version / Revision / Serial Number. See Figure 4.
3. Control Box Measurements:
 - a. 20" Wide x 24" High - Order Conversion Group #3409469.
 - b. 24" Wide x 24" High - Order Conversion Group #3409471.

CONVERSION GROUP INSTALLATION INSTRUCTIONS - See Figure 1 and Figure 2

1. **Important:** It is recommended to power up the Jupiter Control System and record all existing driver, nipper and gauger set point values. When the new Jupiter Control System Program is installed, all set point values will revert back to the default values.
2. Before installing the Conversion Group, remove all energy sources from machine. Be Sure Follow applicable Railroad Lockout - Tagout Procedure.
3. Disconnect the cables from the rear of the existing monitor and then remove the existing monitor from face panel of Control Box.
4. Remove the mounting hardware from all of the remaining components (switches, gauges, diagnostic gauge, etc.) and then remove from the face plate. Be sure to note the mounting location of all components.

Note: Some wiring may have to be disconnected in order to remove the component from the face panel. Be sure to note any wire numbers before disconnecting for proper re-assembly.

5. Remove and discard the existing face panel and decal.
6. Install the new decal (3) on the new face panel (2). Use a sharp knife to cut out all required holes.
7. Install new face panel (2) in Control Box. Check that panel opens and closes properly without any binding.

CONVERSION GROUP INSTALLATION INSTRUCTIONS - See Figure 1 and Figure 2

FIGURE 1
TYPICAL CONTROL BOX - 20" Wide x 24" High

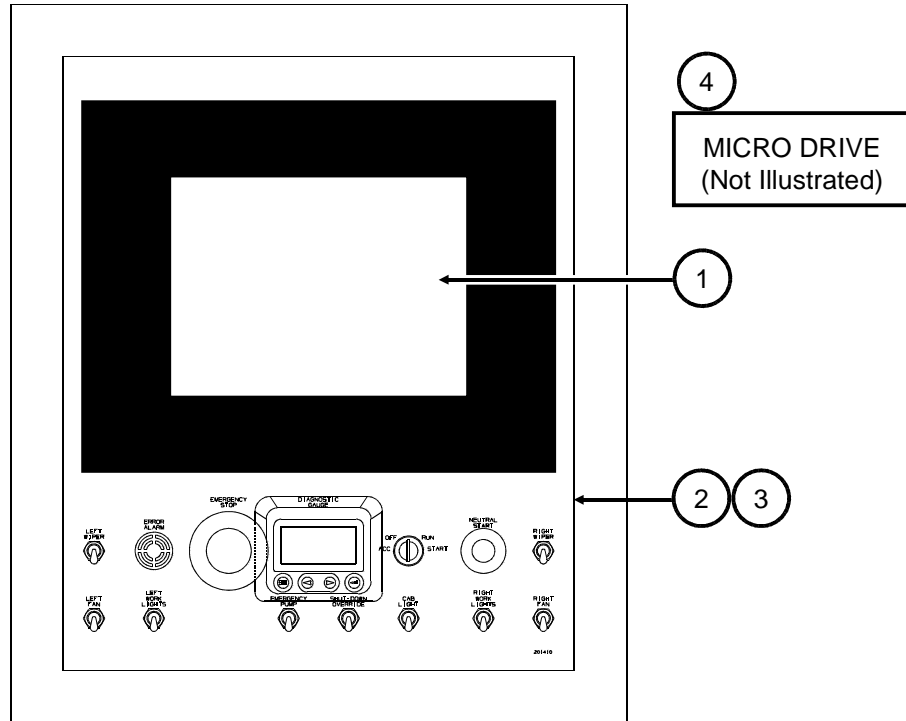
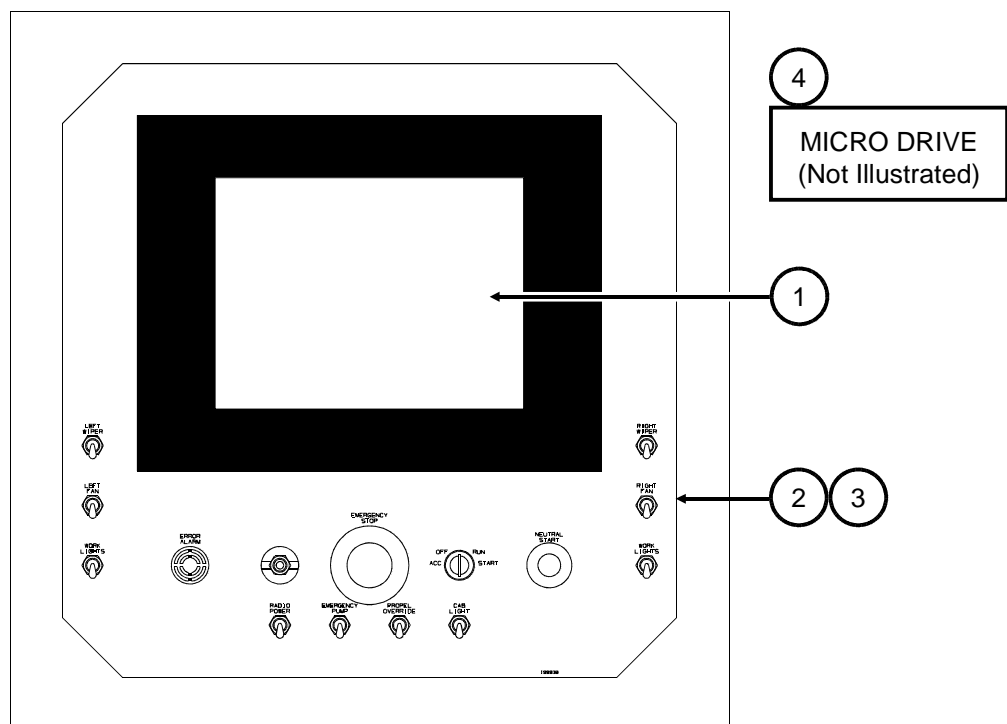


FIGURE 2
TYPICAL CONTROL BOX - 24" Wide x 24" High



CONVERSION GROUP INSTALLATION INSTRUCTIONS - See Figure 1 and Figure 2

- 8. Re-install all components (switches, gauges, diagnostic gauge, etc.) except for the new monitor (1) in the new face plate (2) and reconnect any wires that were disconnected.
- 9. Install the new monitor (1) in the new face plate (2) and reconnect the cables to the same connectors on the rear of the new monitor (1).
- 10. Install the new Jupiter Control Program. See Jupiter Control Program Installation Instructions.

JUPITER CONTROL PROGRAM INSTALLATION INSTRUCTIONS - See Figure 3 and Figure 4

- 11. Power up the Jupiter Control System. When the Splash Screen with Jupiter across the top is displayed on the monitor, install the micro drive (4) with the new Jupiter Control Program in one of the two USB ports (A) on the rear of the JAM Box.
- 12. The Jupiter Control System will re-boot as it is loading the new control program from the micro drive (4). When the Splash Screen with Jupiter across the top is displayed again on the monitor, remove the micro drive (4) from the USB port (A) on the rear of the JAM Box.
- 13. The Jupiter Control System will re-boot again. When the Main Work Screen is displayed again on the monitor, the new control program will be installed.
- 14. Store the micro drive (3) in a safe place as it can be kept as a back-up and the new control program can re-loaded using the same procedure should the program ever become corrupt.
- 15. Re-enter all existing driver, nipper and gauger set point values if recorded.
- 16. Operate different functions of the machine to check for proper operation.
- 17. Be sure to record the new Jupiter Control Program Number / Version / Revision / Serial Number in this Service Bulletin and/or your Operator's Manual. See Figure 4.

(P) **Program:** " _____ "

(V) **Version:** " _____ "

(R) **Revision:** " _____ "

(SN) **Serial Number:** " _____ "

JUPITER CONTROL PROGRAM INSTALLATION INSTRUCTIONS - See Figure 3 and Figure 4

FIGURE 3
JAM BOX

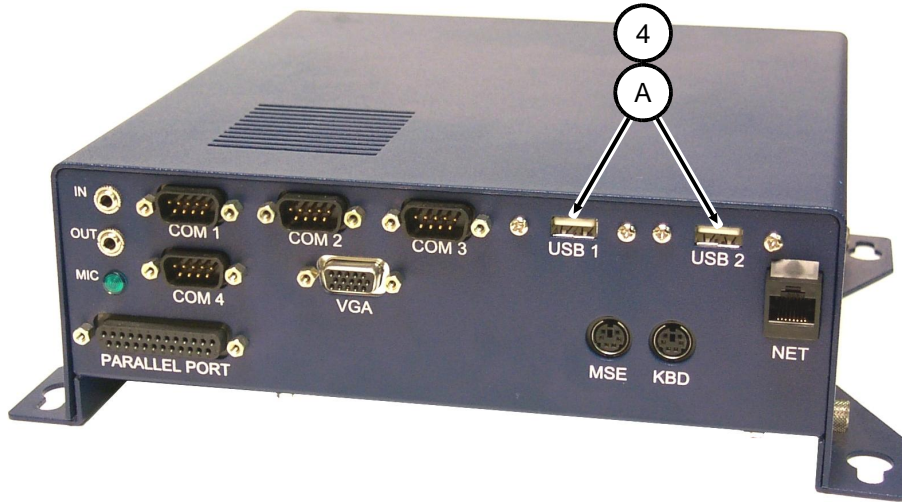
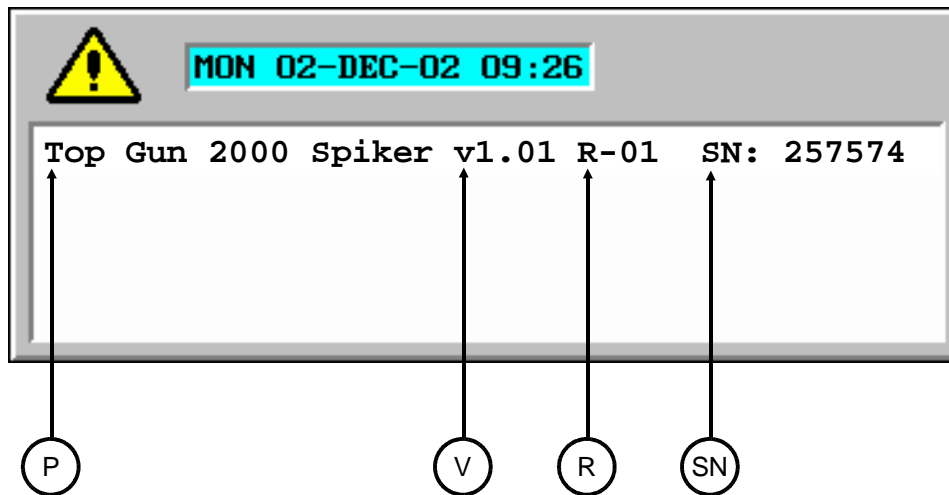


FIGURE 4
JUPITER CONTROL SYSTEM PROGRAM



3409469 MONITOR CONVERSION PARTS - 20" Wide x 24" High - See Figure 1

ITEM	PART NO	DESCRIPTION	QTY
	3409469	MONITOR CONVERSION GROUP - 20" W x 24" H	1
1	3000280	Monitor, 12.0 VGA	1
2	3409450	Panel	1
3	201410	Decal, Control	1
* 4	H6197Y01	Micro Drive w/ Jupiter Control Program	1
5	SB06-003	Service Bulletin	1

* Jupiter Control Program is applicable to model of machine.

3409471 MONITOR CONVERSION PARTS - 24" Wide x 24" High - See Figure 2

ITEM	PART NO	DESCRIPTION	QTY
	3409471	MONITOR CONVERSION GROUP - 24" W x 24" H.	1
1	3000280	Monitor, 12.0 VGA	1
2	3409451	Panel	1
3	199938	Decal, Control	1
* 4	H6197Y01	Micro Drive w/ Jupiter Control Program	1
5	SB06-003	Service Bulletin	1

* Jupiter Control Program is applicable to model of machine.

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