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Receiving Procedures

Every Morse drum handler is inspected prior to shipping. However, damage may be incurred during transit.

- Check for visible damage. If you choose to accept damaged freight, always sign noting the damage on the **BILL OF LADING**.
- Document the damage and have the truck driver sign. We recommend keeping a digital camera at your receiving dock for this purpose.
- Open packages expeditiously to check the condition of the goods. There is only a 24 hour window to notify the carrier of any concealed damage.
- **IMMEDIATELY REPORT ALL DAMAGE TO THE SHIPPING COMPANY!** Then you may contact Morse for assistance with your freight claim.
- Morse Manufacturing will not be held responsible for any damaged freight that is not signed for as damaged.

Delivery to non-business addresses without a loading dock result in additional freight charges. Residential delivery fees, inside delivery fees, re-delivery charges, and lift gate services will be added by the truck line, and are non-negotiable.

Limited 2 Year Warranty

Morse drum handling equipment is guaranteed against defects in workmanship or materials for **TWO YEARS** when used properly within its rated capacity. The warranty does not cover wear from normal use or damage from accident or abuse. Motors and other purchased parts carry the warranties of their manufacturers.

For warranty claims, contact your Morse Dealer to obtain a return authorization number, and for return freight advice. Return freight must be prepaid.



In all instances, liability is limited to the purchase price paid or to repairing or replacing the product. Customer assumes liability for any modifications, unauthorized repairs or parts substitution.

Safety Information

While Morse Manufacturing Co. drum handling equipment is engineered for safety and efficiency, a high degree of responsibility must be placed upon the machine operator to follow safe practices, based primarily on common sense, upon which true safety depends.

Failure to follow the safety precautions in this manual can result in personal injury or property damage. Observe the same precautions as with similar machinery where carelessness in operating or maintenance is hazardous to personnel. Carefully read the safety precautions below and throughout this manual.

Review the Material Safety Data Sheet(s) for the material(s) in the drum(s) and take all necessary precautions. Safety shoes, work gloves, hard hat and other personal protective devices are recommended.

Prior to initial use, inspect all moving parts. Perform necessary inspections, operator training, etc.



DANGER - Indicates a situation which, if not avoided, will result in serious injury or death. This signal word is limited to the most extreme situations.



WARNING - Indicates a situation which, if not avoided, could result in serious injury or death.



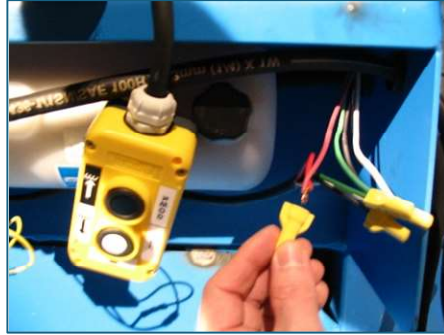
CAUTION - Indicates a situation which, if not avoided, can result in damage to the machine.

| | |
|--|---|
| | WARNING - Do Not Modify the Unit - Under no circumstances should any modifications be made to the Morse machinery without factory authorization. Any modifications may void the warranty. This machine was designed to perform a specific job and alterations may result in injury to operator or machine. |
| | WARNING - No Loose Fitting Clothing - Wear close-fitting clothing and safety equipment appropriate to the job. Loose fitting clothing may become caught on the machinery and cause severe personal injury. |
| | CAUTION: DO NOT allow drum to impact on floor, ground, or dumping station, etc. |

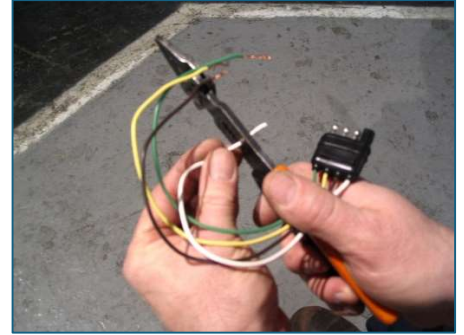
Installation Instructions



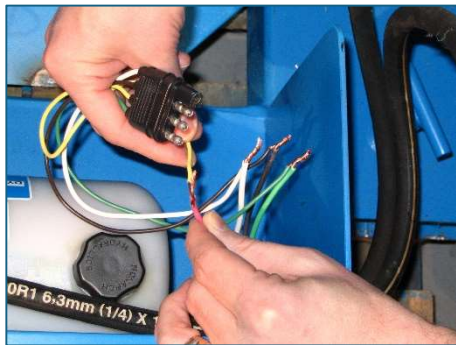
1. Disconnect pump from battery.



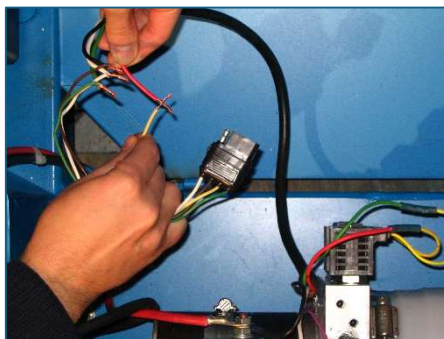
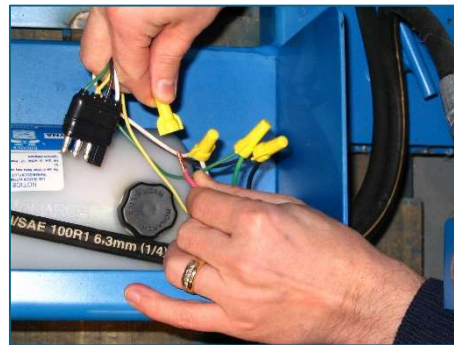
2. Undo wiring from pendant to pump control wire.



3. Take male and female plug and strip 3/4" on all 8 wires.



4. Connect the male plug to the pendant wires as follows:
 - a. Pendant black to plug brown
 - b. Pendant white to plug white
 - c. Pendant green to plug green
 - d. Pendant red to plug yellow



5. Connect female plug to the pump wires as follows:
 - a. Pump black to plug brown
 - b. Pump white to plug white
 - c. Pump green to plug green
 - d. Pump red to plug yellow

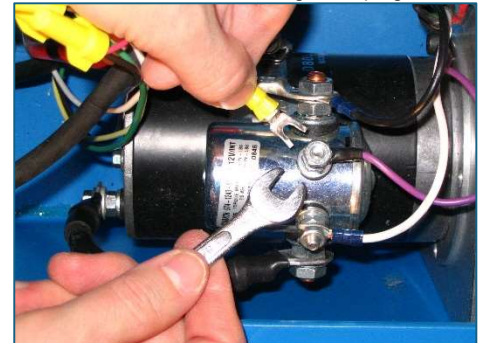
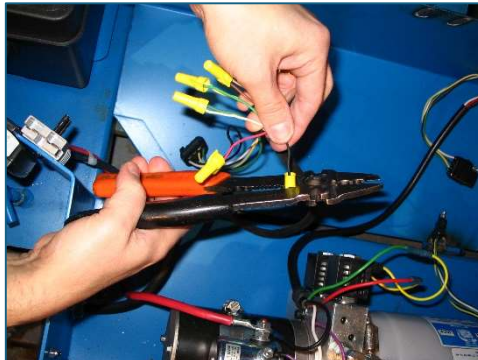


Install Radio Station



6. Layout receiver and drill (1) 7/8" diameter hole and (2) 1/4" diameter holes. Attach as shown in pictures.

7. Strip 3/4" length of insulation off the ends of all receiver wires and the remaining male plug.



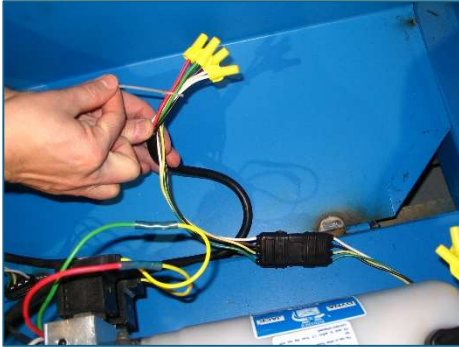
8. Wire receiver to male plug as follows:

- Receiver brown to plug white
- Receiver white to plug green
- Receiver green to plug yellow
- Receiver red to plug brown
- Receiver black to purple on relay

Twist wires and install wire nuts.

9. Crimp spade terminal unto black receiver wire.

10. Attach black wire from receiver to the same screw as the purple wire on relay.



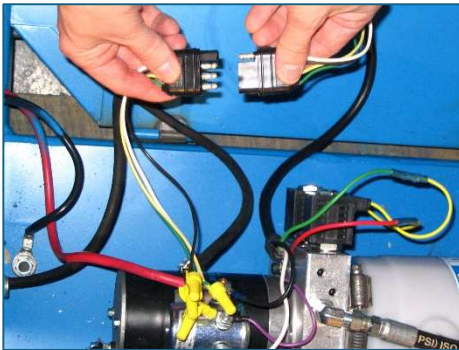
11. Zip tie all wires neatly to avoid strain.



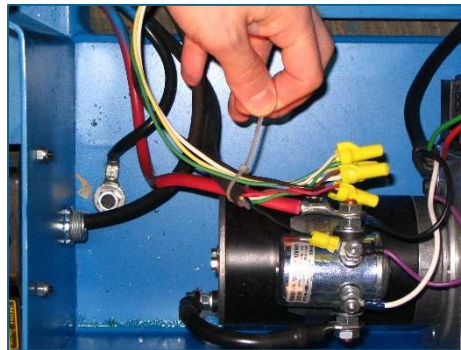
12. For pendant operation, plug male plug from pendant into female plug of pump.



13. Plug battery to pump. Test unit function for forward and reverse.



14. For wireless operation, unplug pendant and plug male plug from receiver into female plug of pump.



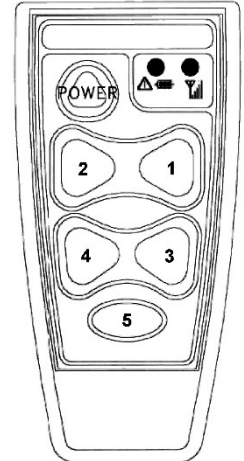
Note: If wireless does not work, proceed to programming.

Instructions for Programming the Wireless Remote

NOTE: This application **ONLY** uses 2 of the 5 buttons available on the wireless remote.

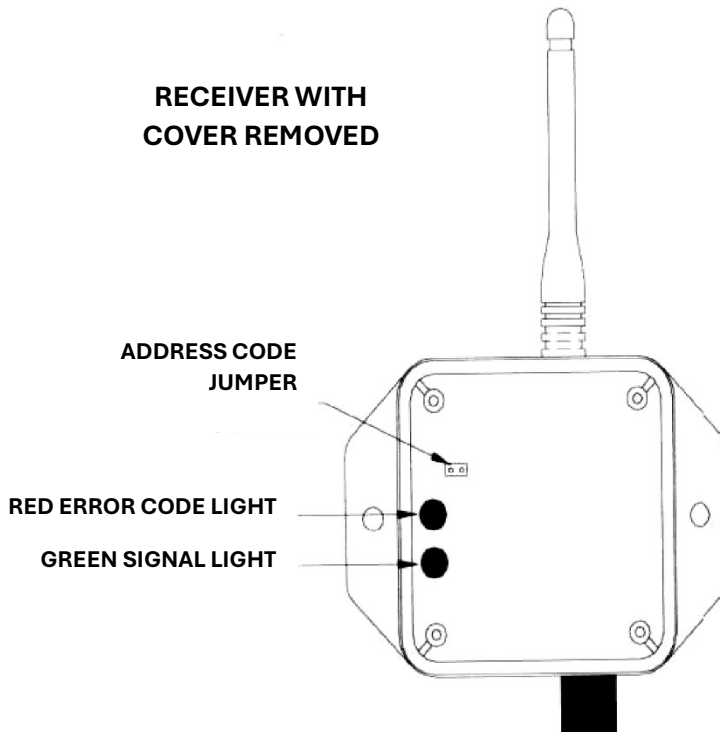
To synchronize a new transmitter and receiver together, use the following procedure.

1. Turn both transmitter and receiver off. Unplug main 12V battery to turn receiver off.
2. To get the transmitter into TEACH ID mode, press and hold the POWER button for 10 seconds. Both LED's start blinking.
3. Turn on the receiver by plugging in main 12V battery.
4. Teach complete.



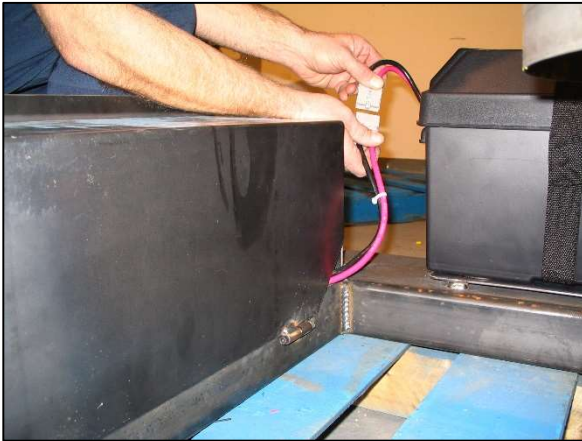
5 BUTTON TRANSMITTER

RECEIVER WITH COVER REMOVED

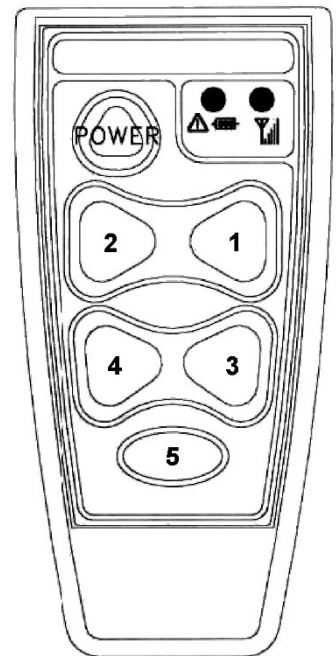


Programming the transmitter to operate the tilt functions

1. Unplug main 12V battery to turn receiver off.



2. Refer to transmitter diagram: Press and hold buttons 1, 4 and 5 simultaneously, and then release. Red light should be blinking on the transmitter.
3. Plug in main 12V battery to turn receiver on.
4. Press POWER button on transmitter briefly.
5. Again press POWER button on transmitter briefly.
6. Press button 1, green LED goes on, and then off.
7. Press POWER button on transmitter briefly.
8. Press button 1, (should hear solenoid click).
9. Press button 2, (should hear solenoid click).
10. Press POWER button on transmitter briefly.
11. Unplug battery to turn receiver off. Then plug battery back in to turn receiver on and test hydraulics. Programming complete.



**5 BUTTON
TRANSMITTER**

To Operate

1. Press POWER button on transmitter.
2. POUR button will now operate the forward tilt function.
3. RETURN will now operate the reverse tilt function

