

PROFESSIONAL DIGITAL TWO-WAY RADIO SYSTEM



# MOTOTRBO REMOTE MOUNT CONTROL HEAD

## INSTALLATION GUIDE



PMLN6404\_

  
radiotronics

# Remote Mount Control Head Installation



Caution

The radio must be disconnected from the power supply before commencing any disassembly.

The Radio Installation Manual should be referred to for more detailed information on warning and safety.

If your mobile radio is equipped with Bluetooth, depending on where the transceiver is mounted, the range of the Bluetooth connected devices can be reduced. Remounting the transceiver in another location may be necessary to improve the coverage. Avoid placing large metal objects directly in front of the transceiver as this can also reduce range.

**Note:** Firmware version MOTOTRBO 2.0 R02.06.11 or later **MUST** be programmed into the radio for proper operation of the Remote Mount Control Head configuration.

## To Disassemble the Control Head from the Radio

1. Insert the dismantling tool in the groove between the control head and the radio assembly.
2. Press the dismantling tool under the control head to release the snap features.
3. Separate the control head and the radio by removing flex cable from radio assembly.

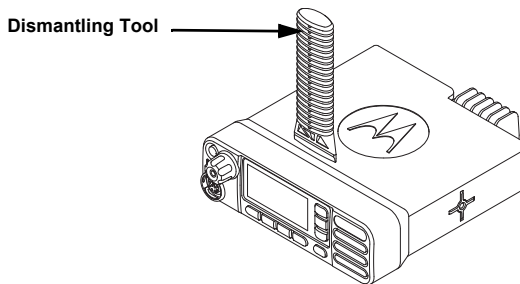


Figure 1. Control Head Removal

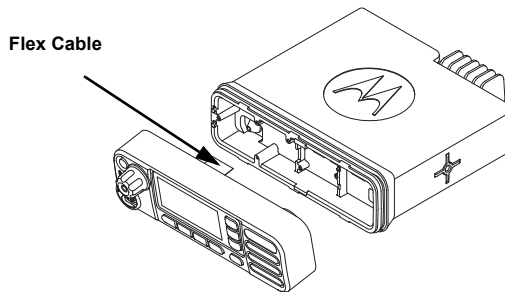


Figure 2. Flexible Connection Removal

#### **To Assemble the Remote Control Head Interface Module on the Control Head**

1. Verify that the flex cable is fully seated in the connector on the control head assembly. (See Figure 3.)
2. Assemble the flex cable to flex connector on the remote control head interface module, making sure it is fully seated. (See Figure 3.)
3. Press the control head onto the remote control head interface housing until ALL the tabs snap into place.
4. Verify that the control head seal is not pinched and visible. If a pinch is found, disassemble the control head, reseal the O-ring and reassemble the control head.

#### **To Assemble the Remote Radio Interface Module on the Radio**

1. Verify that the flex cable is fully seated in connector on the remote radio interface module. (See Figure 3.)
2. Assemble the flex cable to the flex connector in the radio assembly, making sure it is fully seated. (See Figure 3.)
3. Press the remote radio interface housing onto the radio chassis until ALL the tabs snap into place.

#### **To Install the Remote Control Head**

1. Position the remote trunnion bracket in the desired location for remote control head.
2. Using the trunnion bracket as a template, mark the positions of the holes on the mounting surface.
3. Center punch the marked spots and realign the trunnion in position.
4. Secure the trunnion bracket with the provided self-drilling screws.
5. Route the remote cable as required.
6. Assemble the 25 pin connector by aligning the pins and mounting holes. Secure the connector with the two screws provided at a torque setting of 0.452 N-m (4 in-lbs).
7. Snap the remote control head assembly into trunnion bracket.
8. Adjust the remote control head assembly as required and secure it with the two wing screws provided.

The Radio Installation Manual should be referred to for detailed radio installation steps.

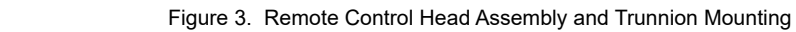


Figure 3. Remote Control Head Assembly and Trunnion Mounting



Table 1: Replacement Components

| Item | Part Number              | Description                    |
|------|--------------------------|--------------------------------|
| 1    | PMLN6403_                | Remote Control Head Interface  |
| 2    | PMLN6402_ ▪<br>PMLN7404_ | Remote Transceiver Interface   |
| 3    | PF001884A01              | Flat Flex Cable                |
| 4    | 3216200H01               | Control Head O-Ring            |
| 5    | PMKN4143_ *              | 3 Meter 25 Pin Extension Cable |
| 6    | PMKN4144_ *              | 5 Meter 25 Pin Extension Cable |
| 7    | 03012000001              | Screw                          |
| 8    | PMLN4912_                | Remote Trunnion Kit            |
| 9    | 0371950L01               | Self Drilling Screw            |
| 10   | 0371815L01               | Wing Screw                     |
| 11   | 4371571M01               | Spacer                         |
| 12   | 6686119B01               | Dismantling tool               |

**\*Cable kits to be ordered separately**

**▪Additional Information**

| Part Number | CDM 7000i, DM 4000e, DGM 5000e, DGM 8000e, XPR 5000e, XiR M8000i | Replacement Flex needed to upgrade |
|-------------|------------------------------------------------------------------|------------------------------------|
| PMLN6402_   | Not Compatible                                                   | PF001884A01                        |
| PMLN7504_   | Compatible                                                       | NA                                 |

**Note:** Specifications are subject to change without notice. Contact your Motorola Solutions dealer for the latest specifications.

Motorola Solutions, Inc.  
1303 East Algonquin Road  
Schaumburg, Illinois 60196 U.S.A.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and  
the Stylized M logo are trademarks or registered trademarks  
of Motorola Trademark Holdings, LLC and are used under license.  
All other trademarks are the property of their respective owners.  
© 2019 Motorola Solutions, Inc. All rights reserved.  
December 2018.



**68012008092-BD**



**MOTOROLA SOLUTIONS**