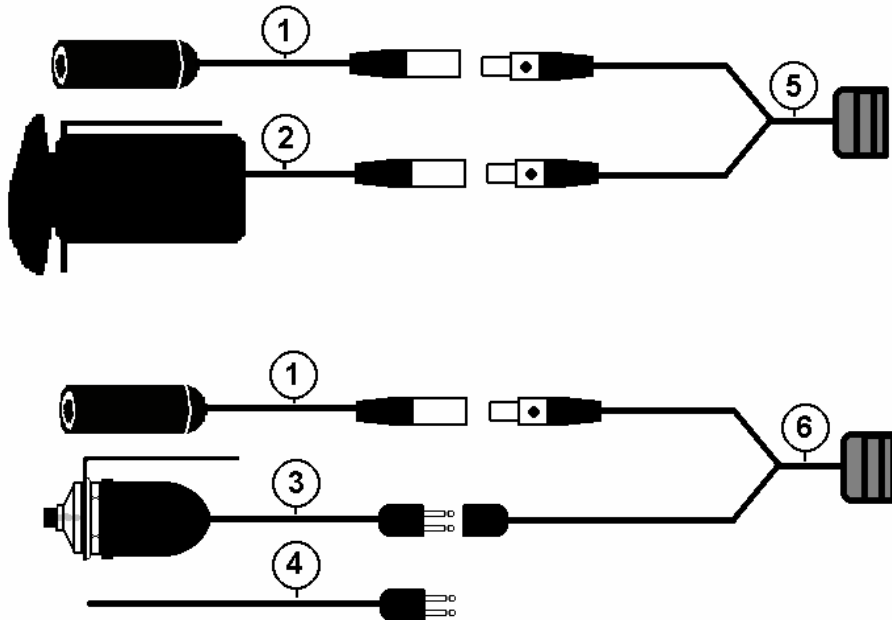


Setcom

MC_71 or MC_72

INSTALLATION INSTRUCTIONS/PARTS LISTING FOR MOTOROLA SPECTRA & MAXTRAC

Setcom SPARE PARTS



For Technical Support & Sales Assistance Call **800-966-1034**

Or visit Setcom on the web at www.setcomcorp.com

Nbr	DESCRIPTION	P/N	Qty	Nbr	DESCRIPTION	P/N	Qty
1A	Upper Cable, MC SK no res (SK to SK)	25-1209	1	5	Radio Cable	call	1
1B	Upper Cable, MC SK + res	25-1220	1	6	Radio Cable	call	1
1C	Upper Cable, MC K to SK no res	25-1221	1				
2A	M/C Sw Assembly, Kawasaki	25-0043	1				
2B	M/C Sw Assembly Harley-D	25-0044	1				
3A	Handlebar Sw assembly Kawasaki	25-0040	1				
3A	Handlebar Sw assembly Harley-D	25-0041	1				
4	Cable Assembly, MC-71 (no PTT)	25-1227	1				

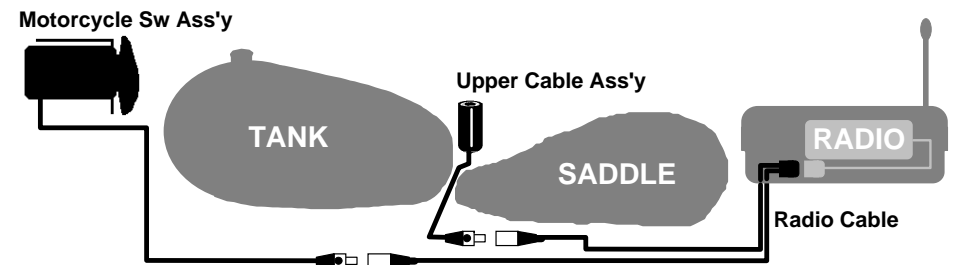
1.0 GENERAL READ THOROUGHLY BEFORE STARTING INSTALLATION.

These instructions cover installation of Setcom Police Motorcycle Cable Kits for motors equipped with Motorola Spectra and Maxtrac radios. Both push-button and three-position-rocker-switch styles of Radio PTT are covered. Harley-Davidson motors use a MCH prefix. Kawasaki motors use a MCK Prefix. Additionally, these instructions cover installation of MCN prefix cable kits that are supplied without a PTT switch. Be sure you have located the section pertaining to your Cable Kit before starting. FOR ALL MODELS, make sure the motorcycle is equipped with noise suppression spark plugs to eliminate ignition interference. The Setcom noise canceling microphone must be within a quarter inch of the lips to function correctly. Position the boom until the mic is directly in front of the mouth. For best quality of transmission, use supplied windscreen

2.0 COMPONENTS

The Cable Kit is composed of three parts, Upper Cable Assembly, and a Radio Interface Cable, see Fig. 1. These components plug together with connectors. Break-away locations have been placed to allow for both ease of initial installation and maintenance. The highest wear component, the pigtail connecting to the officer's helmet kit, can be replaced without disturbing the balance of the installation.

Fig. 1

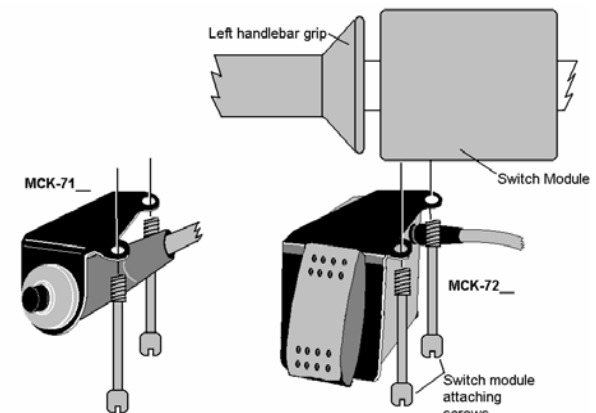


3.0 KAWASAKI CABLE KIT INSTALLATION

3.1 Remove the gas tank and seat from the motorcycle.

3.2 Either style of PTT switch is mounted on the left handlebar by using the two screws that clamp the halves of the light switch module together (see Fig. 2).

Fig. 2



3.0 KAWASAKI CABLE KIT INSTALLATION (CONTINUED)

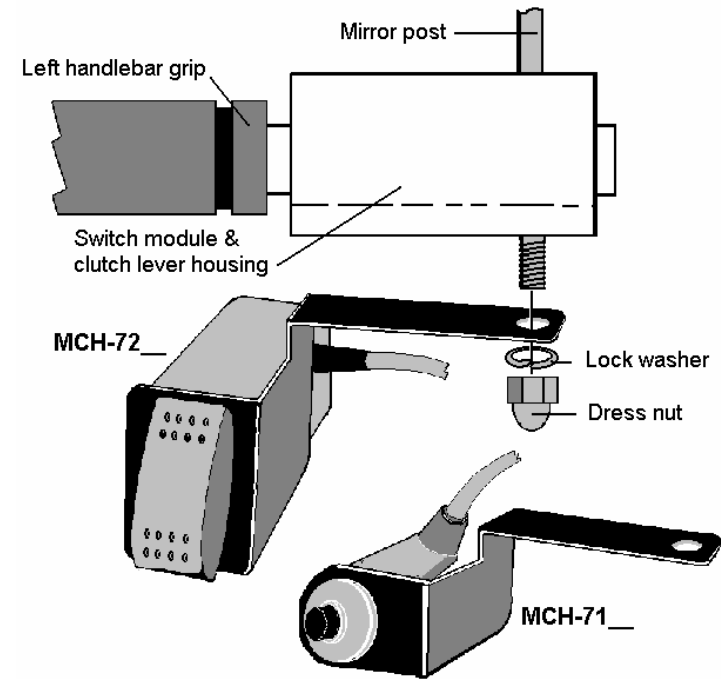
- 3.3 Remove the two screws from the underside of the switch module. Put the screws through the switch bracket as shown in Fig. 2. Reinsert the screws into the module and tighten securely.
- 3.4 Leaving sufficient slack in the cable so that full handlebar travel is not restricted, route cable along the handlebar towards the stem. From the stem the cable is dressed along the structural tubing towards the rear of the motor. Make sure it is placed so as to prevent any physical damage. Tie wrap as required. The cable from the handlebar PTT will terminate along the frame in a small connector. This will be a two-conductor connector in the case of the button style PTT. In the case of the rocker switch style of PTT this will be a five-conductor mini-XLR connector.
- 3.5 The remaining portion of the cable kit is now ready to be installed. Locate the radio cable assembly. This will have two cables connected to the radio connector. One of these cables is terminated with the mating connector to the PTT cable installed above. The other cable is terminated in a mini-XLR three-pin connector. Make note of these connectors before routing the cable.
- 3.6 In the radio box, connect the cable kit to the matching connector on the radio or radio accessory cable.
- 3.7 Route both cables through the cable hole located in the radio box.
- 3.8 Next route the cable that will connect to the handlebar PTT towards the cable and connector previously installed above. Dress the cable along the frame. Plug the connector into the mating PTT connector, insure the connectors have the same number of conductors (pins).
- 3.9 Now route the cable terminating in a three-conductor, mini-XLR. This cable will interface with the Officer's Setcom Helmet Kit. Dress cable as far as possible from the ignition system and make sure it is placed so as to prevent any physical damage. The three-conductor mini-XLR connector should terminate under the tank just in front of the junction of seat and tank.
- 3.10 The remaining cable making up the motorcycle cable kit assembly will be the Upper Cable Assembly. This cable connects the cable kit to the officer's helmet kit. Plug in the mating connector to the cable just installed. Strain relieve (tie wrap) the Upper Cable Assembly just in front of the saddle. Leave enough cable at this point so that the officer can stand on the motorcycle without disconnecting. Additionally make sure that the cable is not so long that the connector can touch the engine when the officer is off the motor. If necessary, loop cable at the strain relief tie to take up any excess.
- 3.11 Check out installation for correct radio and accessory operation. Replace radio cover plate, housing cover, gas tank and saddle. This completes installation.

4.0 HARLEY-DAVIDSON CABLE KIT INSTALLATION

- 4.1 Remove the gas tank and seat from the motorcycle
- 4.2 Either style of PTT switch is mounted on the left handlebar by using the rearview mirror attachment bolt.
- 4.3 Remove the dress nut on the underside of the combined housing for the clutch lever and light switch module.
- 4.4 Fit the bracket PTT switch bracket over the mirror stud as shown in Fig. 3.
- 4.5 Position the switch and then reinstall the lock washer and dress nut. Tighten securely.
- 4.6 Leaving sufficient slack in the cable so that full handlebar travel is not restricted, route cable along the handlebar towards the stem. From the stem, the cable is dressed through the small triangular opening formed by the structural tubing. Route the cable on the inside of the frame towards the rear of the motor. Make sure it is placed so as to prevent any physical damage. Tie wrap as required. The cable from the handlebar PTT will terminate along the frame in a small connector. This will be a two-conductor connector in the case of the button style PTT. In the case of the rocker switch style of PTT this will be a five-conductor mini-XLR connector.
- 4.7 The remaining portion of the cable kit is now ready to be installed. The cable assembly will have two cables connected to the radio connector. One of these cables is terminated with the mating connector to the PTT cable installed above. The other cable is terminated in a mini-XLR three-pin connector. Make note of which connector is which before routing the cable.
- 4.8 Connect the cable kit to the matching connector on the radio or radio accessory cable.
- 4.9 Route both cables through the cable hole located in the radio box
- 4.10 Next route the cable that will connect to the handlebar PTT towards the cable and connector previously installed above. Dress the cable along the frame. Plug the connector into the mating PTT connector, insure the connectors have the same number of conductors (pins).
- 4.11 Next route the cable terminating in a three-conductor mini-XLR, this is the cable that will interface with the Officer's Setcom Helmet Kit. Dress cable as far as possible from the ignition

system and make sure it is placed so as to prevent any physical damage. The three-conductor mini-XLR connector should terminate under the tank just in front of the junction of seat and tank.

Fig. 3



- 4.12 The remaining cable making up the motorcycle cable kit assembly will be the Upper Cable Assembly. This cable connects the cable kit to the officer's helmet kit. Plug in the mating connector to the cable just installed. Strain relieve (tie wrap) the Upper Cable Assembly just in front of the saddle. Leave enough cable at this point so that the officer can stand on the motorcycle without disconnecting. Additionally make sure that the cable is not so long that the connector can touch the engine when the officer is off the motor. If necessary, loop cable at the strain relief tie to take up any excess.
- 4.13 Check out installation for correct radio and accessory operation. Replace radio cover plate, housing cover, gas tank and saddle. This completes installation.

5.0 MCN-71__ UNIVERSAL NO PTT CONFIGURATION

- 5.1 Customer is responsible for connecting PTT switch to circuit (see Fig. 4), balance of installation as per above.

Fig. 4

