



MOTOROLA

TWO-WAY RADIOS

A c c e s s o r i e s

Cloning Cable PMKN4003



APPLICATION

Only radios with identical model numbers can be cloned.

The PMKN4003 Cloning Cable is used with certain conventional PL and trunking LTR radios. Contact your Motorola representative for radio model/cloning cable match.

GENERAL INFORMATION

Cloning is the process of copying the content of one radio (source radio) into another radio (target radio). Radio content refers to system type features such as frequency, squelch type, options, etc.

Signalling Identification Numbers (IDs) are duplicated in the cloning process.

Note: Tuning and alignment information are not transferable and are not affected by cloning.

Unsuccessful cloning attempts will not damage the radio.

CLONING PROCEDURE (P040/P080)

1. Turn off source and target radio; then connect cloning cable to side connector of each radio.
2. Turn on target radio.
3. Source radio — Simultaneously press and hold side buttons 1 and 2 (see illustration); then turn on radio. Both radios produce a “clone-entry” tone and turn on their green LEDs.



Display radios will show *CLONE* (source radio) and *PROGRAM* (target radio).

4. Release both side buttons of source radio. The electronic transfer begins and will take less than one minute. When cloning is completed, the source radio produces a “clone-exit” tone and displays *TONE*. Both radios reset themselves and turn off their green LEDs.
5. Turn off source and target radio; then disconnect cloning cable from each radio.
6. Turn on source and target radio for normal operation.

ERROR CODES (Display Radios Only):

- *ERR 01*— The model numbers or the code plug versions are not the same for both radios. Cloning cannot be performed.
- *ERR 02*— Communication between the two radios was not established or was disrupted during the cloning procedure. If this occurs, check the cloning cable and all connections. Repeat the cloning procedure.

CLONING PROCEDURE (CP040/ CP140/CP160/CP180)

1. Turn off source and target radio; then connect cloning cable to side connector of each radio.
2. Turn on target radio.
3. Source radio — Simultaneously press and hold side buttons 1 and 2 (see illustration); then turn on radio. Both radios produce a “clone-entry” tone. Display radios will show *CLONING* (source radio) and *PROGRAM* (target radio).
4. Release both side buttons of source radio. The electronic transfer begins and will take less than one minute. When cloning is completed, the source radio produces a “clone-exit” tone and displays *CLN CMP*. Both radios reset themselves.
5. Turn off source and target radio; then disconnect cloning cable from each radio.
6. Turn on source and target radio for normal operation.



CLONING PROCEDURE (P020/P030)

1. Turn off source and target radios.
2. Connect the cloning cable to the programming port (lower port of the accessory connector) of each radio.
3. Turn on target radio.
4. Press and hold front button 'A' and turn on the source radio.
5. The source radio displays *CLONE* if cloning can proceed, otherwise an error message is displayed.
6. Release front button 'A' on the source radio. The electronic transfer begins and will take less than one minute.
7. The target radio displays *PROG* while it is being programmed.
8. When cloning is completed, the source radio displays *END*, and the target radio reset automatically.
9. Turn off source and target radio; then disconnect cloning cable from each radio.
10. Turn on source and target radio for normal operation.

ERROR CODES :

- *TYPE ERR* — The model numbers are not the same for both radios. Cloning cannot be performed. Ensure that the radios are of the same model number.

- *TIME OUT* — Data communications time-out. Ensure that the target radio is switched on and the cloning cable is properly connected. Repeat the cloning procedure.
- *BCC ERR* — Data communications checksum error.
- *CMD ERR* — Data communications command error

SERVICE

The PMKN4003 Cloning Cable is not repairable. Order a replacement cloning cable as necessary.

Ⓜ and Motorola are trademarks of Motorola, Inc.
LTR is a registered trademark of E.F. Johnson Company
All Rights Reserved

© 1999 by Motorola, Inc.
8000 W. Sunrise Blvd., Ft. Lauderdale, FL 33322



68P81092C95-A