

**ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF
BLAUPUNKT "PHOENIX" MODEL RADIO BY A "CHEYENNE" MODEL**

ON H3-40 VEHICLES:

N-197 up to P-312 incl. page 2

M-131 up to N-196 incl. page 5

ON "XL" VEHICLES:

M-893 up to P-640 incl. page 8

**ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF
BLAUPUNKT "CALGARY" MODEL RADIO BY A "CHEYENNE" MODEL**

ON H3-40 VEHICLES:

L-031 up to M-130 incl. page 10

ON "XL" VEHICLES:

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ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF BLAUPUNKT "PHOENIX" MODEL RADIO BY A "CHEYENNE" MODEL ON H3-40 VEHICLES (N-197 UP TO P-312 INCL.)

MATERIAL

Kit #40-3673 includes the following parts.

Part no	Description	Qty
40-3773	Blaupunkt "Cheyenne" radio	1
40-3774	Wire harness	1
-----	Shrinkable tubing 1/8 x 3/4" (3 x 19 mm)	1
-----	Yellow wire #18 (AWG) 20.6' (6,3 m)	1
56-1908	Female connector (#22-18 AWG)	1
56-1181	Female connector (#16-12 AWG)	1
90-0663	Antenna adapter	1
IS-93069	Instruction Sheet	1
FI-93069	Feuille d'instructions	1

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switches to the "OFF" position prior to working on the vehicle.

1. Identify at back of "Phoenix" radio, the harness consisting of wires identified LR, RR, RF and LF, trace this harness up to its connection to the Public Address (PA) control box, disconnect it from this place then connect new wire harness #40-3774.
2. Connect each wire on the other end of new wire harness to the corresponding wire of "Cheyenne" radio according to the color code in figure 1.
3. Disconnect the antenna cable from "Phoenix" radio and connect it to the "Cheyenne" radio using adapter #90-0663.
4. Disconnect the 9 pin connector from "Phoenix" radio, identify the yellow wire inserted in position #3 of connector, cut it at 3" (76 mm) from connector, strip extremity of wire coming from connector then insulate the other wire extremity with electric tape.
5. Slide shrinkable tubing (supplied with kit) on yellow wire (also supplied with kit), strip one extremity of yellow wire then join and solder it to yellow wire stripped at previous step.

Note: We recommend the use of an electric soldering gun with a resin core solder combination of 60% tin and 40% lead.

6. Position shrinkable tubing in order to insulate the junction, then heat as required.
7. Connect the 9 pin connector to the corresponding connector of "Cheyenne" radio.

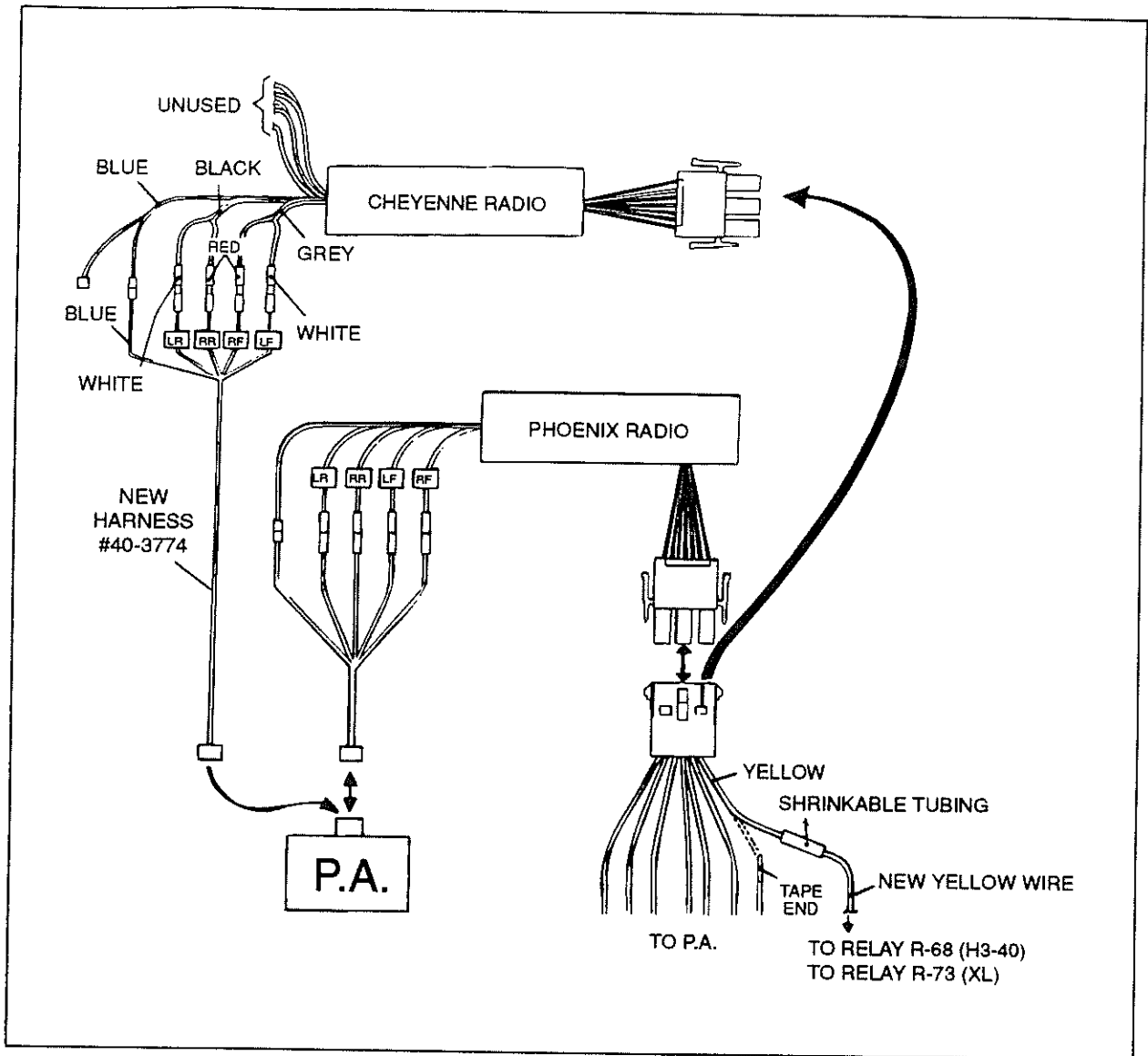


Fig. 1

Note: Check that each extremity of the unused wires at back of "Cheyenne" radio is insulated adequately.

8. Route yellow wire to relay R-68 mounted in front electric compartment, while following existing wiring harnesses.

- a) Route wire near P.A. (Public Address) control box which is located over air horn foot valve.
- b) Insert wire in front service compartment trough opening over P.A. control box.

- c) From front service compartment, route wire towards front electric compartment while following existing wiring harnesses located over alarm junction box.
- d) Insert wire in front electric compartment through opening on the R.H. side of front service compartment.

Note: To ease wire routing, the parcel tray located at left of driver's seat can be removed from inside.

- e) Route wire to relay R-68 (mounted on junction box ceiling) through grommet fixed on the L.H. side of junction box.
- f) Fasten wire at different places on its full length using cable ties (not included in kit).

Caution: Be sure wire will not interfere with moving parts.

9. Remove relay R-68 from its base, remove screw retaining relay R-68 base to junction box ceiling then separate relay R-68 base from the other bases.
10. Remove wire #12SA (position #87) from relay R-68 base, cut wire near terminal, discard terminal, then strip wire extremity.
11. Remove wire #12SB (position #30) from relay R-68 base, cut wire near terminal, discard terminal, then strip wire extremity.
12. Join wires #12SA and #12SB together, crimp a female connector #56-1181 (supplied with kit), then insert it in position #30 of relay R-68 base. Refer to figure 2.
13. Strip extremity of new yellow wire routed previously, crimp a female connector #56-1908 (supplied with kit), then insert it in position #87 of relay R-68 base.
14. Replace relay R-68 base, fix it to ceiling with screw previously removed, then reinstall relay R-68.
15. Close junction box door and front electric and service compartment doors.

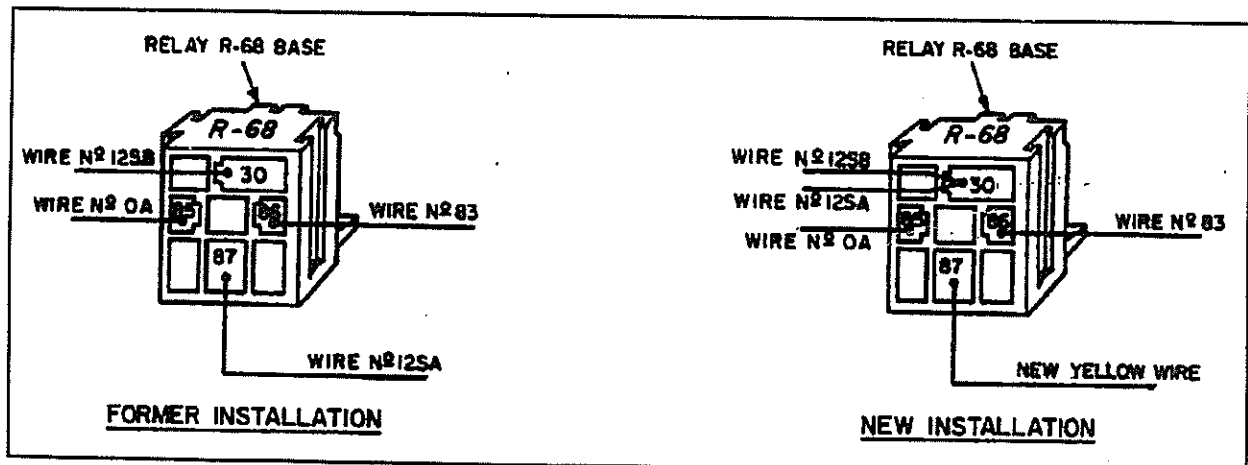


Fig. 2

06008

ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF BLAUPUNKT "PHOENIX" MODEL RADIO BY A "CHEYENNE" MODEL ON H3-40 VEHICLES (M-131 UP TO N-196 INCL.)

MATERIAL

Kit #40-3672 includes the following parts.

Part no	Description	Qty
40-3773	Blaupunkt "Cheyenne" radio	1
40-3774	Wire harness	1
-----	Shrinkable tubing 1/8 x 1 1/2" (3 x 38 mm)	1
-----	Red wire #16 (AWG) 18' (5,5 m)	1
56-0082	Ring terminal #10 (#16-14 AWG)	1
90-0663	Antenna adapter	1
IS-93069	Instruction Sheet	1
FI-93069	Feuille d'instructions	1

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switches to the "OFF" position prior to working on the vehicle.

1. Identify at back of "Phoenix" radio, the harness consisting of wires identified LR, RR, RF and LF, trace this harness up to its connection to the Public Address (PA) control box, disconnect it from this place then connect new wire harness #40-3774.
 2. Connect each wire on the other end of new wire harness to the corresponding wire of "Cheyenne" radio according to the color code in figure 3.
 3. Disconnect the antenna cable from "Phoenix" radio and connect it to the "Cheyenne" radio using adapter #90-0663.
 4. Disconnect the 9 pin connector from "Phoenix" radio, identify the yellow wire inserted in position #3 of connector, cut it at 3" (76 mm) from connector.
 5. Strip extremity of yellow wire coming from connector, cut shrinkable tubing (supplied with kit) in two even lengths, slide one piece of tube on yellow wire coming from connector then insulate the extremity of the other wire with electric tape.
 6. Identify the red wire inserted in position #9 of connector, cut it at 3" (76 mm) from connector, strip wire extremities, then join and solder the red wire coming from P.A. to yellow wire coming from connector (see fig. 3).
- Note:** We recommend the use of an electric soldering gun with a resin core solder combination of 60% tin and 40% lead.
7. Position shrinkable tubing in order to insulate the junction, then heat as required.
 8. Strip one extremity of red wire (#16 AWG) supplied with kit, slide a piece of shrinkable tubing on this red wire, then join and solder it to the red wire coming from the 9 pin connector.

9. Position shrinkable tubing in order to insulate the junction, then heat as required.
10. Connect the 9 pin connector to the corresponding connector of "Cheyenne" radio.

Note: Check that each extremity of the unused wires at back of "Cheyenne" radio is insulated adequately.

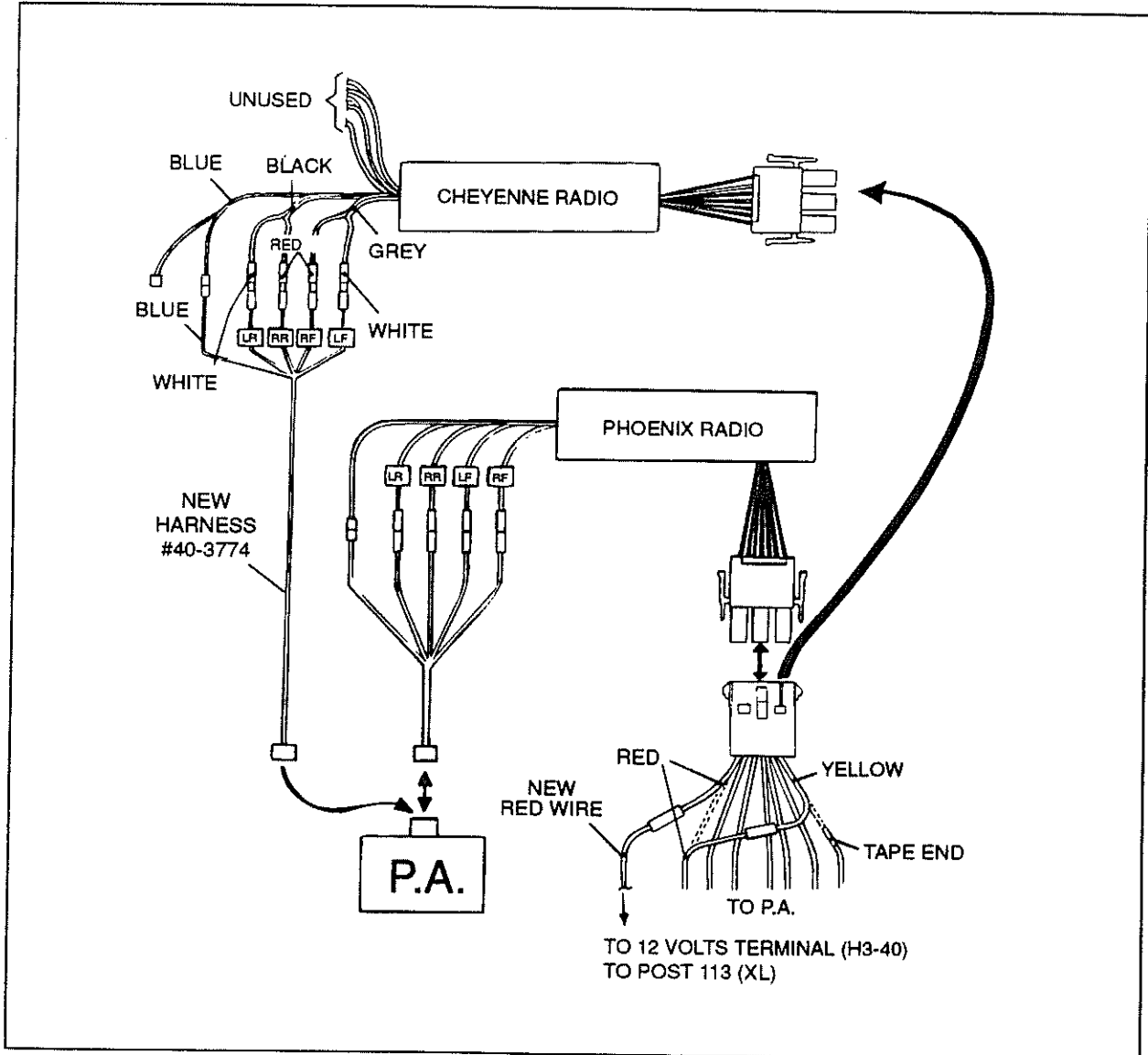


Fig. 3

06009

11. Route red wire to 12 volt terminal mounted in front electric compartment, while following existing wiring harnesses.

- a) Route wire near P.A. (Public Address) control box which is located over air horn foot valve.
- b) Insert wire in front service compartment through opening over P.A. control box.
- c) From front service compartment, route wire towards front electric compartment while following existing wiring harnesses located over alarm junction box.
- d) Insert wire in front electric compartment through opening on the R.H. side of front service compartment.

Note: To ease wire routing, the parcel tray located at left of driver's seat can be removed from inside.

- e) Route wire to 12 volt terminal where wire #12VD is connected. Refer to figure 4.
- f) Fasten wire at different places on its full length using cable ties (not included in kit).

Caution: Be sure wire will not interfere with moving parts.

12. Strip extremity of new red wire routed previously, crimp a ring terminal #56-0082 (supplied with kit), then connect it to the same terminal where wire #12VD is connected.

13. Close front electric and service compartment doors.

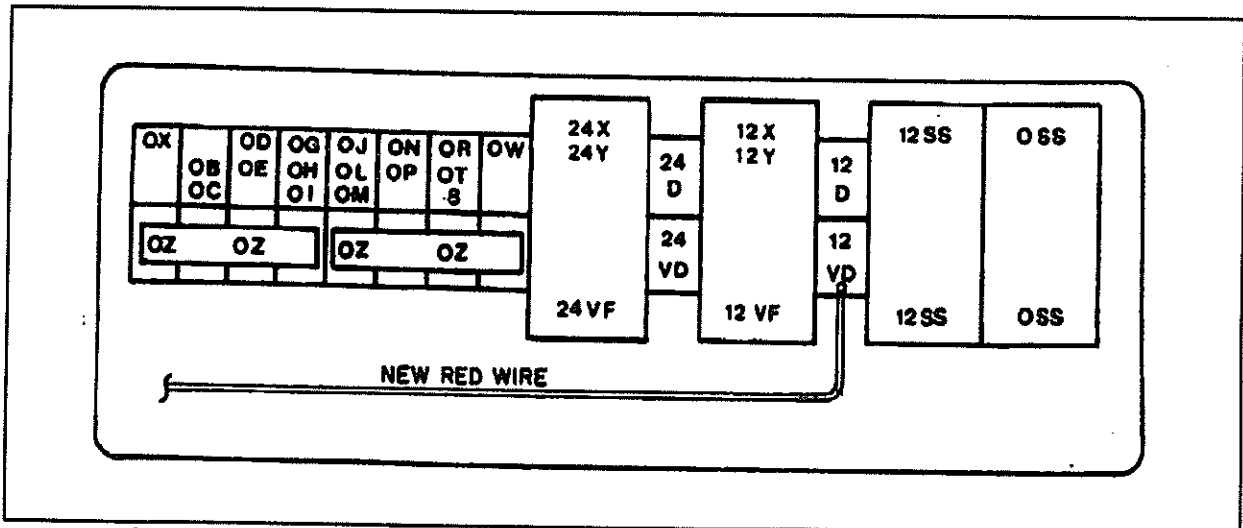


Fig. 4 - Junction blocks in front electric compartment

06010

ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF BLAUPUNKT "PHOENIX" MODEL RADIO BY A "CHEYENNE" MODEL ON "XL" VEHICLES (M-893 UP TO P-640 INCL.)

MATERIAL

Kit #40-3673 is required. For the description of parts include in kit, refer to page 2.

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switches to the "OFF" position prior to working on the vehicle.

Steps 1 to 7 Inclusively are described in page 2 since the H3-40 and "XL" vehicles require the same connection at back of radio.

8. Route yellow wire near left wall while following existing wiring harnesses under dashboard.

9. Insert wire in the front electric compartment through the grommet fixed in the left wall, then route it to relay R-73. Refer to figure 5.

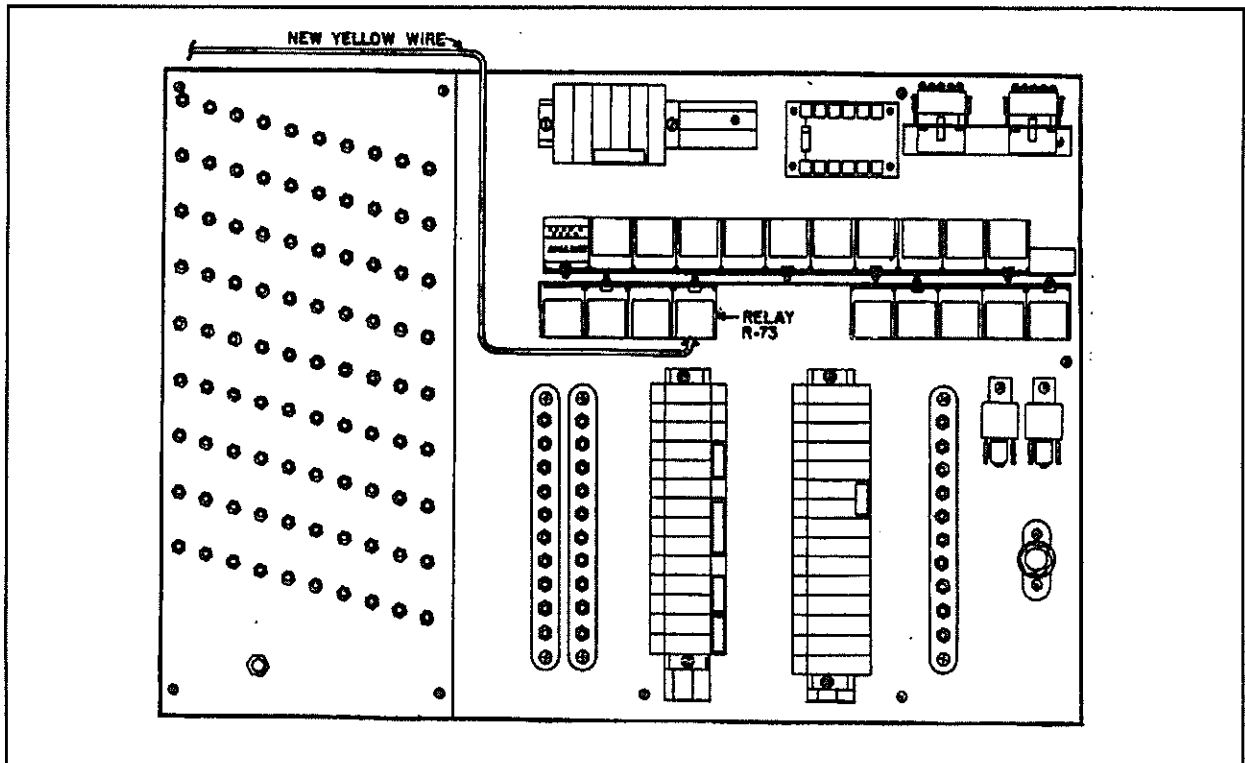


Fig. 5 - Front electric compt.

06011

10. Remove relay R-73 from its base, remove screws securing the row of relays, then separate relay R-73 base from the other bases.
 11. Remove wire #12SB (position #87) from relay R-73 base, cut wire near terminal, discard terminal, then strip wire extremity.
 12. Remove wire #12SC (position #30) from relay R-73 base, cut wire near terminal, discard terminal, then strip wire extremity.
 13. Join wires #12SB and #12SC together, crimp a female connector #56-1181 (supplied with kit), then insert it in position #30 of relay R-73 base. Refer to figure 6.
 14. Cut the excess of yellow wire routed previously, strip extremity, crimp a female connector #56-1908 (supplied with kit), then insert it in position #87 of relay R-73 base.
 15. Replace relay R-73 base, fix the row of relay bases, then reinstall relay R-73.
 16. Fasten wire at different places on its full length using cable ties (not included in kit).
- Caution:** Be sure wire will not interfere with moving parts.
17. Close front electric compartment door.

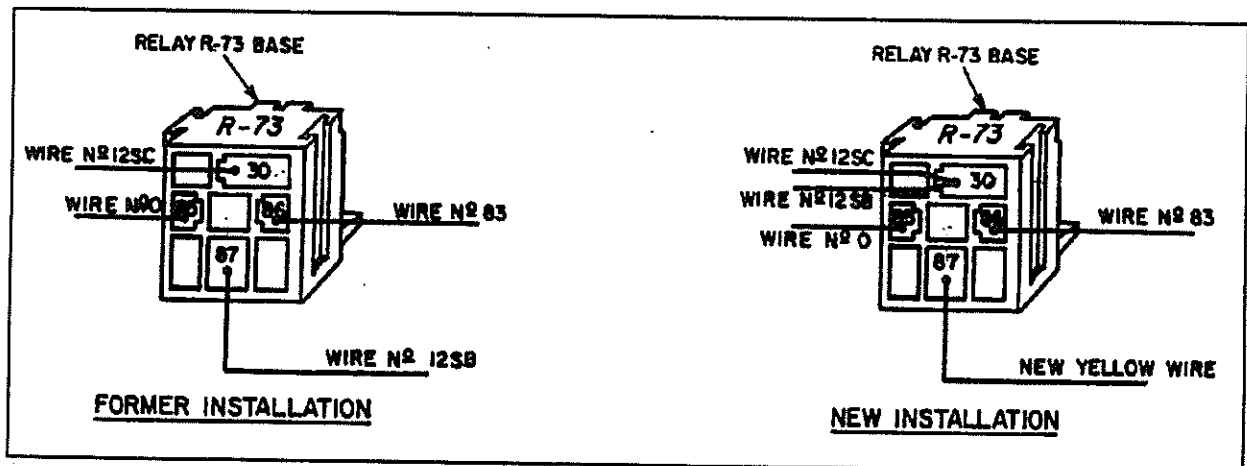


Fig. 6

06012

ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF BLAUPUNKT "CALGARY" MODEL RADIO BY A "CHEYENNE" MODEL ON H3-40 VEHICLES (L-031 UP TO M-130 INCL.)

MATERIAL

Kit #40-3666 includes the following parts.

Part no	Description	Qty
40-3773	Blaupunkt "Cheyenne" radio	1
40-3774	Wire harness	1
06-3067	Connector assembly	1
06-3214	Shrinkable tubing 1/8 x 6" (3 x 152 mm)	1
-----	Red wire #16 (AWG) 18' (5,5 m)	1
56-0082	Ring terminal #10 (#16-14 AWG)	1
90-0663	Antenna adapter	1
IS-93069	Instruction Sheet	1
FI-93069	Feuille d'instructions	1

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switches to the "OFF" position prior to working on the vehicle.

1. Disconnect round connector of cable at rear of "Calgary" radio, remove and discard the 7 pin/8 pin adapter cable, then insert the male section of cable from PA system in the round connector of wire harness #40-3774 supplied with kit.

Note: For vehicles provided with P.A. #90-0610, connect harness #40-3774 directly to P.A.

2. Connect each wire on the other end of wire harness to the corresponding wire of "Cheyenne" radio according to the color code in figure 7.

3. Insulate the extremity of each unused wires at back of "Cheyenne" radio with electric tape.

4. Disconnect the antenna cable from "Calgary" radio and connect it to the "Cheyenne" radio using adapter #90-0663.

5. Disconnect at back of "Calgary" radio, the wires identified LH, 1, 2, 3 and RH.

6. Cut each wire near its connector, discard connectors, insulate the extremity of wire #1 with electric tape, then strip extremity of each other wires.

7. Cut shrinkable tubing (supplied with kit) in 7 even lengths (approximately 3/4" (19 mm)), then slide a piece of tube on each wire of connector assembly #06-3067 supplied with kit.

8. Join and solder each wire of connector assembly #06-3067 to the previously stripped wires according to the color code in figure 7. The red wire of connector assembly must be soldered with the red wire (#16 AWG) supplied with kit.

Note: We recommend the use of an electric soldering gun with a resin core solder combination of 60% tin and 40% lead.

9. Position shrinkable tubings in order to insulate the junctions, then heat as required.

10. Connect connector assembly #06-3067 to the corresponding connector of "Cheyenne" radio.

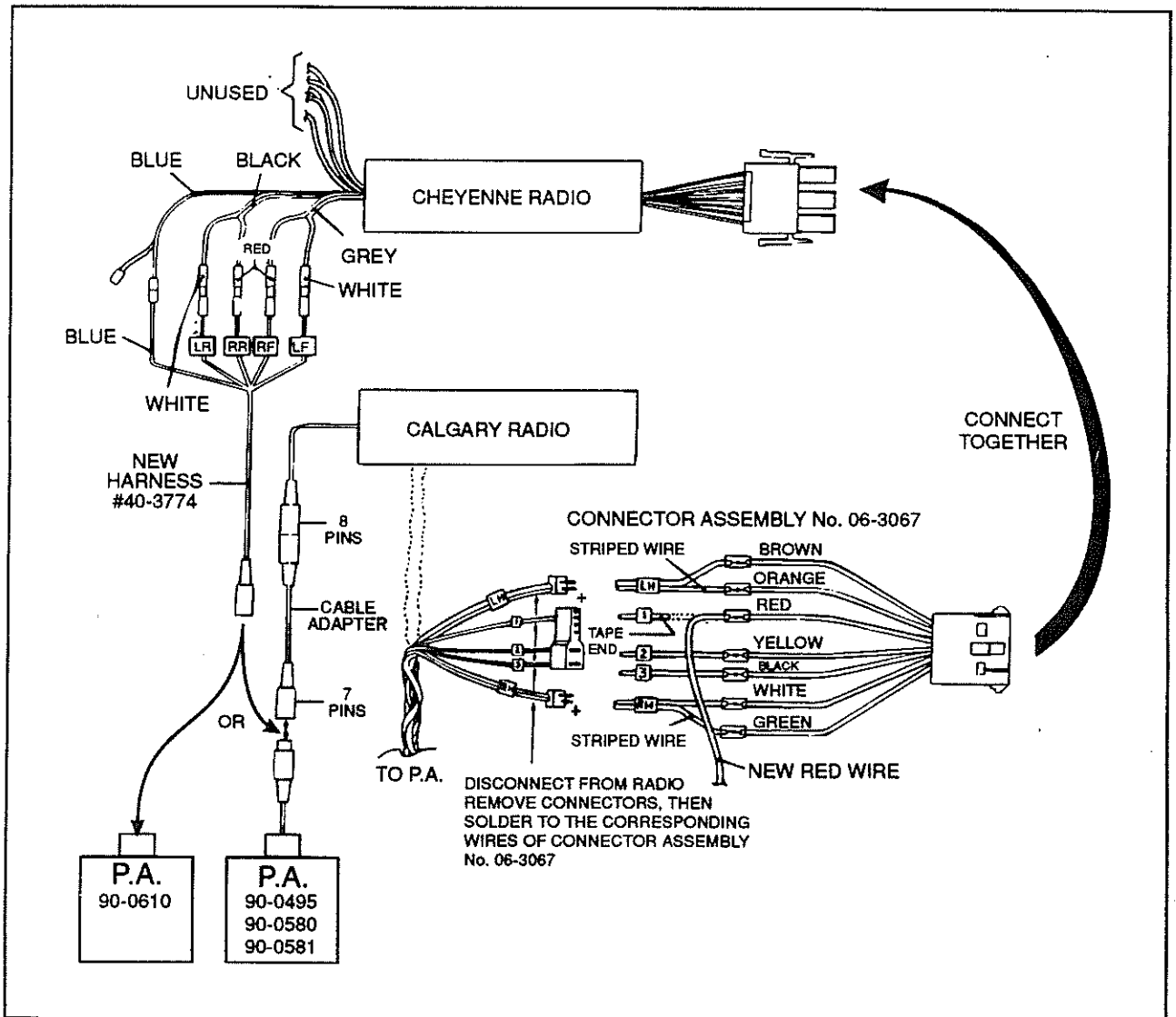


Fig. 7

11. Route red wire to 12 volt terminal mounted in front electric compartment, while following existing wiring harnesses.

- a) Route wire near P.A. (Public Address) control box which is located over air horn foot valve.
- b) Insert wire in front service compartment through opening over P.A. control box.
- c) From front service compartment, route wire towards front electric compartment while following existing wiring harnesses located over alarm junction box.
- d) Insert wire in front electric compartment through opening on the R.H. side of front service compartment.

Note: *To ease wire routing, the parcel tray located at left of driver's seat can be removed from inside.*

- e) Route wire to 12 volt terminal where wire #12VD is connected. Refer to figure 4 page 7.
- f) Fasten wire at different places on its full length using cable ties (not included in kit).

Caution: *Be sure wire will not interfere with moving parts.*

12. Strip extremity of new red wire routed previously, crimp a ring terminal #56-0082 supplied with kit, then connect it to the same terminal where wire #12VD is connected.

13. Close front electric and service compartment doors.

ELECTRIC CONNECTION GUIDE FOR THE REPLACEMENT OF BLAUPUNKT "CALGARY" MODEL RADIO BY A "CHEYENNE" MODEL ON "XL" VEHICLES (L-535 UP TO M-892)

MATERIAL

Kit #40-3666 is required. For the description of parts include in kit, refer to page 10.

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switches to the "OFF" position prior to working on the vehicle.

Steps 1 to 10 inclusively are described in pages 10 and 11 since the H3-40 and "XL" vehicles require the same connection at back of radio.

11. Route red wire near left wall while following existing wiring harnesses under dashboard. Insert wire in the front electric compartment through the grommet mounted in the left wall, above foot-rest.

12. Route wire to post #74 for vehicles L-535 up to L-706 inclusively and to post #113 for vehicles L-707 up to M-892 inclusively.

Note: Refer to figure 8 for vehicles L-535 up to L-706 incl. and to figure 9 for vehicles L-707 up to M-892 incl.

13. Cut the excess of red wire, strip extremity, crimp ring terminal #56-0082 supplied with kit, then connect it to post mentioned previously.

14. Fasten wire at different places on its full length using cable ties (not included in kit).

Caution: Be sure wire will not interfere with moving parts.

15. Close front electric compartment door.

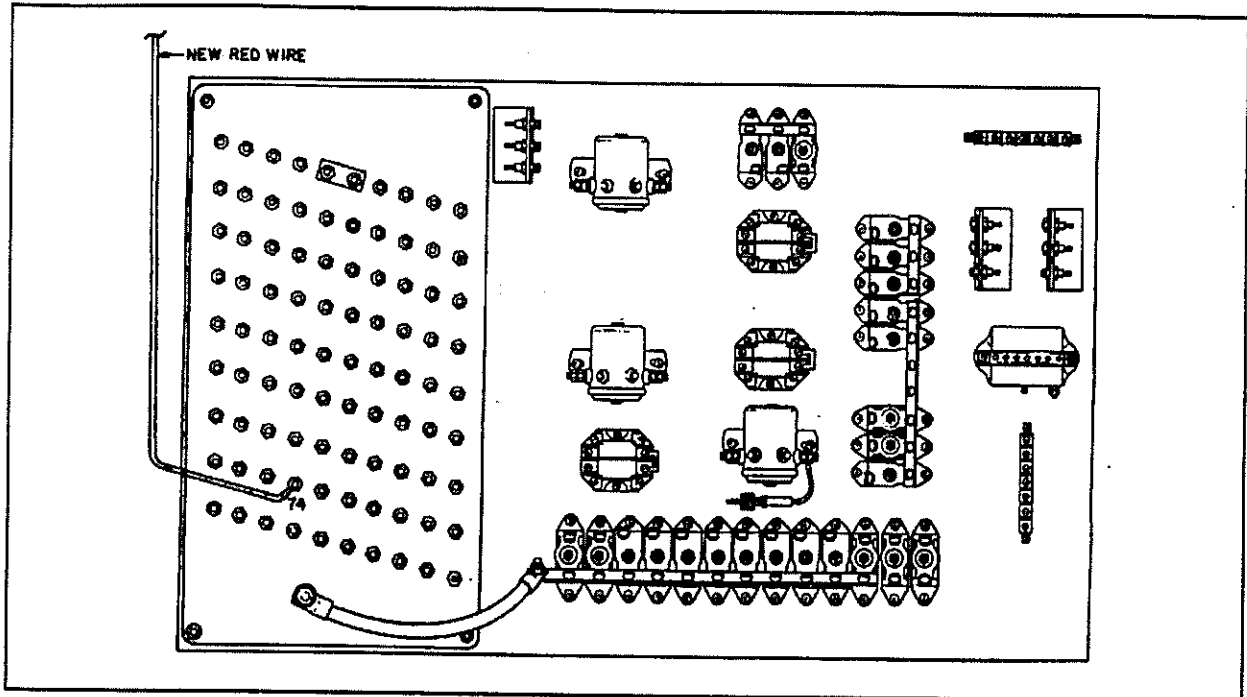


Fig. 8 - Front electric compt. (L-535 to L-706)

06014

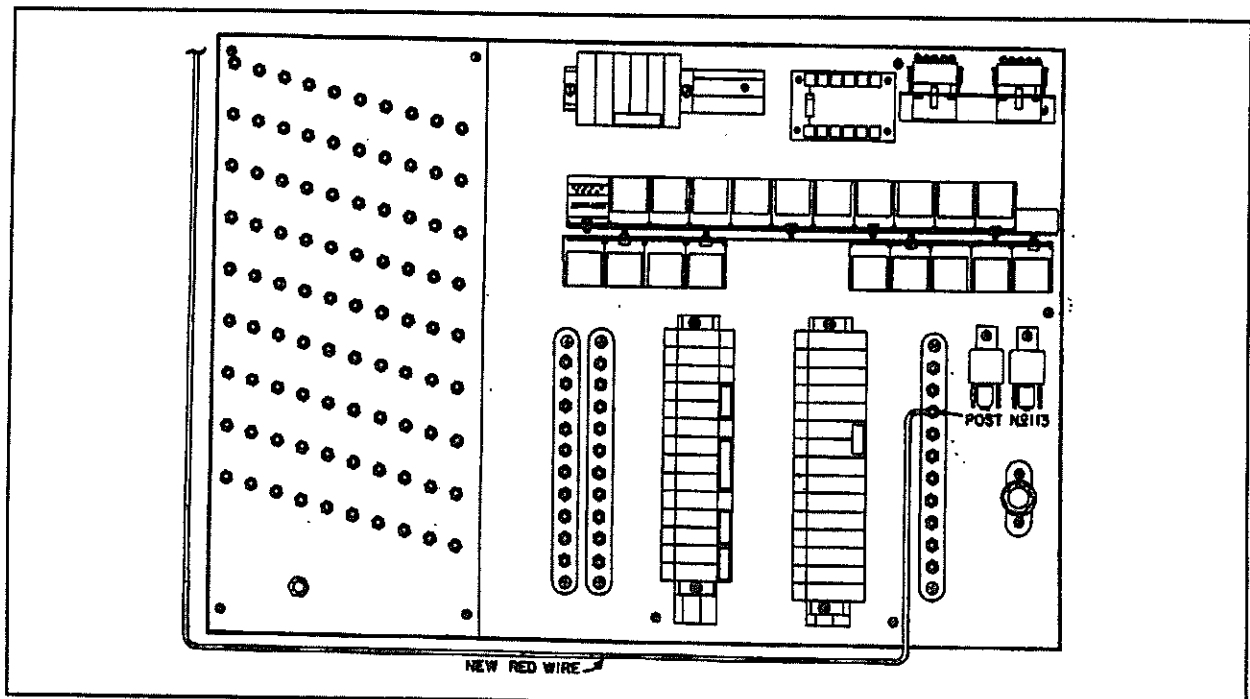


Fig. 9 - Front electric compt. (L-707 to M-892)

06015