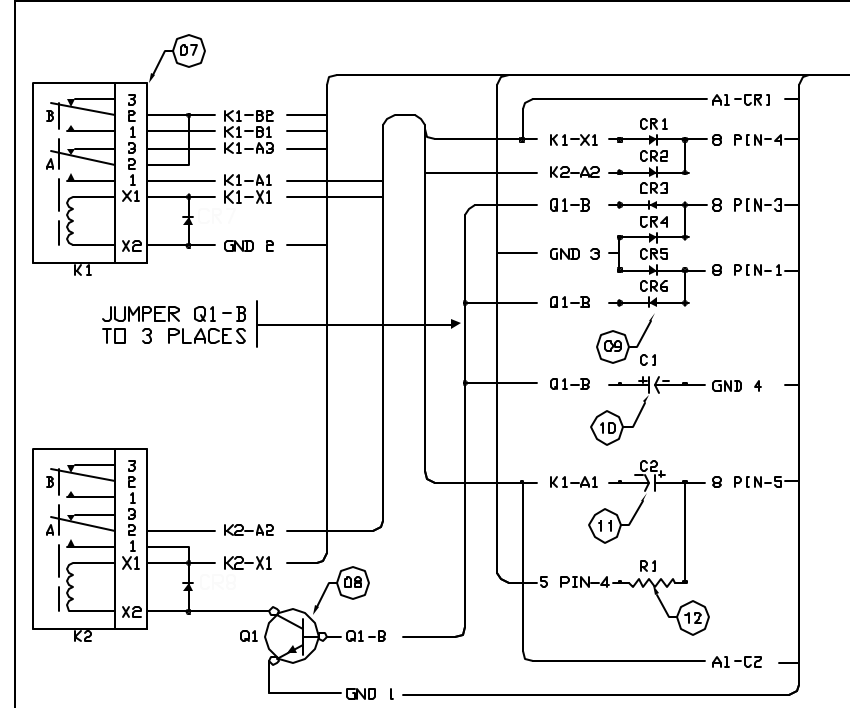




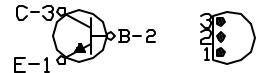
IF REQUIRED TWO PROJECT BOXES CAN BE USED. ONLY ONE IS SHOWN. I USED TWO AS I COULD NOT GET ALL THE CIRCUITRY INTO ONE BOX. THE TWO BOXES FIT PERFECT NEXT TO THE CB RADIO IN THE CASSETTE STORAGE COMPARTMENT

IT IS NECESSARY TO CUT OUT THE BOTTOM OF THE CASSETTE STORAGE COMPARTMENT FOR THE CB RADIO AND COMPONENTS. MOUNTED WITH VELCRO.

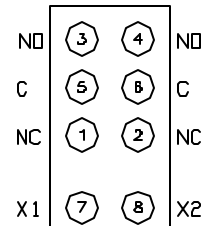
PROJECT BOX #1 AND / OR #2



Q1 TRANSISTOR LAYOUT

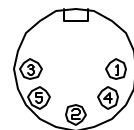


PURPOSE OF Q1, K2, CR1 THRU CR6 & C1 IS TO PROVIDE A MUTE CIRCUIT FOR INCOMING RECEIVED AUDIO. SIMILAR TO WHAT THE XMIT-PTT FUNCTION DOES FOR THE TRANSMIT SIDE.



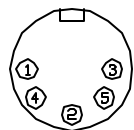
K1 & K2 RELAY PIN LAYOUT

CB RADIO 5 PIN



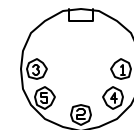
5 PIN DIN - FEMALE
1 - GND (Blk)
2 - N/C
3 - PTT (Red)
4 - XMIT MIC (Yel)
5 - RECV MODE (Brn)

HEADSET PINOUT



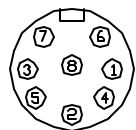
5 PIN DIN - MALE
1 - MIC HI
2 - SPKR LO
3 - L SPKR HI
4 - MIC LO
5 - R SPKR HI

5 PIN DIN - FEMALE



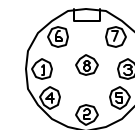
5 PIN DIN - FEMALE
1 - MIC HI
2 - SPKR LO
3 - L SPKR HI
4 - MIC LO
5 - R SPKR HI

VOYAGER CB INTERFACE



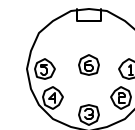
8 PIN DIN - FEMALE
1 - GND
2 - SQUELCH - N/A FOR EXT CB
3 - CB AUDIO OUT HI
4 - PTT - MUTE
5 - DRIVERS MIC. AUDIO FROM MIC TO CB
6 - ACCESS - N/C W/EXT CB
7 - N/C
8 - SHLD GND

8 PIN DIN - MALE

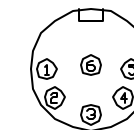


8 PIN DIN - MALE
1 - GND
2 - SQUELCH - N/A FOR EXT CB
3 - CB AUDIO OUT HI
4 - PTT - MUTE
5 - DRIVERS MIC. AUDIO FROM MIC TO CB
6 - ACCESS - N/C W/EXT CB
7 - N/C
8 - SHLD GND

VOYAGER HEADSET INTERFACE



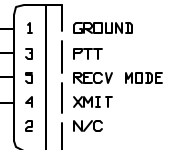
6 PIN DIN - FEMALE
1 - MIC HI, FRONT
2 - MIC LO
3 - SPKR LO
4 - L SPKR HI
5 - R SPKR HI
6 - MIC HI, REAR



6 PIN DIN - MALE
1 - MIC HI, FRONT
2 - MIC LO
3 - SPKR LO
4 - L SPKR HI
5 - R SPKR HI
6 - MIC HI, REAR

CB INTERFACE WIRING WAS WIRED DIRECTLY INTO THE RADIO THRU THE SIDE MOUNTING HOLES. DID NOT USE A CONNECTOR.

5 PIN DIN CB RADIO CONNECTOR



EXISTING INTERFACE HARNESS CONNECTOR

IT IS NECESSARY TO CUT OFF THE PLUG THAT COMES WITH THE SWITCH AND HARD WIRE THE SWITCH AS SHOWN

+12V V/IGNITION ON ONLY

PTT SWITCH

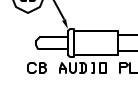
WHT

WHT/BRN

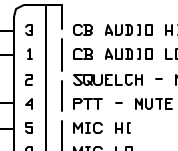
BLK

+12V FROM BATTERY/ALWAYS 'HOT' - NOT USED HERE NOT SHOWN IS THE POWER/GROUND CONNECTION FOR THE CB RADIO & NOISE FILTER. USE THE WIRING & FILTER PROVIDED WITH THE RADIO & FILTER. SPLICE INTO THIS SAME POWER & GROUND WIRING.

CB AUDIO PLUG CONNECTS TO EXT SPK JACK ON CB



8 PIN DIN VOYAGER CB INTERFACE CONNECTOR



EXISTING INTERFACE HARNESS CONNECTOR



MISCELLANEOUS PARTS INCLUDE:

- 13 ANTENNA AND BRACKET
- 14 COAX CABLE
- 15 COAX CONNECTOR
- 16 COAX COUPLER
- 17 10 AMP NOISE FILTER

ALL WIRING IS 22 OR 20 AWG. USE 20 AWG FOR POWER/GROUND. USE 22 EVERYWHERE ELSE.

| ITEM | QTY | PART NO | DESCRIPTION (SUPPLIER) |
|------|-----|-----------|---------------------------------------|
| 17 | 1 | 270-051 | NOISE FILTER (RADIO SHACK) |
| 16 | 1 | 278-369 | COAX COUPLER (RADIO SHACK) |
| 15 | 2 | 278-196 | COAX CONNECTOR (RADIO SHACK) |
| 14 | 1 | 278-968 | COAX CABLE (RADIO SHACK) |
| 13 | 1 | CC-AKVG1E | ANTENNA ANT. BRACKET (AIR RIDER) |
| 12 | 1 | 271-1321 | 1K OHM RESISTOR (RADIO SHACK) |
| 11 | 1 | 272-134 | CAPACITOR (.047MFD) (RADIO SHACK) |
| 10 | 1 | 272-996 | CAPACITOR (1NF) (RADIO SHACK) |
| 09 | 8 | 276-1104 | DIODE (1N4005) (RADIO SHACK) |
| 08 | 1 | 276-1617 | NPN TRANSISTOR (2N2222) (RADIO SHACK) |
| 07 | 2 | 275-249A | DPDT RELAY (RADIO SHACK) |
| 06 | 1 | 1395 | 8 PIN DIN CONN (UNIVERSAL RADIO) |
| 05 | 1 | 274-286 | AUDIO PLUG (RADIO SHACK) |
| 04 | 1 | 03-04-33 | PTT SWITCH (AIR RIDER) |
| 03 | 2 | 270-283 | PROJECT BOX (RADIO SHACK) |
| 02 | 1 | 21-1703 | CB RADIO TRC-503 (RADIO SHACK) |
| 01 | - | - | - |

| ENGINEER | P. Ward | DATE | 06-20-05 | MODEL | KAWASAKI |
|---|---------|------|----------|----------------|-------------|
| | | | | TYPE | VOYAGER XII |
| TITLE | | | | DWG NO | REV. |
| KAWASAKI VOYAGER XII CB RADIO INTERFACE | | | | PDW KAWXII-CB1 | A |
| | | | | SHEET | 1 OF 1 |