DEUTSCH ELECTRICAL CONNECTORS

GENERAL

Attachment clips are attached to the pin housings of some connectors. The clips are then attached to T-studs on the motorcycle frame. T-studs give positive location to electrical connectors and wire harnesses. Consistent location reduces electrical problems and improves serviceability.

To become familiar with the Deutsch connector, read the parts description below while referencing the 12-place connector illustrated in Figure B-3.

<u>Socket housing</u>: alignment tabs and/or external latch, secondary locking wedge, internal seal, wire seal, seal pin.

NOTE

Seal pins or plugs are installed in the wire seals of unused chambers. If removed, seal pins must be replaced to maintain the integrity of the environmental seal.

<u>Pin housing</u>: alignment grooves and/or external latch cover, secondary locking wedge, wire seal, seal pin.

REMOVING/DISASSEMBLING

- 1. Push the connector to disengage small end of slot on attachment clip fromT-stud. Lift connector off T-stud.
- Depress the external latch(es) on the socket housing side and use a rocking motion to separate the pin and socket halves. Two-, three-, four- and six-place Deutsch connectors have one external latch, while eight- and twelve-place connectors have two, both of which must be pressed simultaneously to separate the connector halves.



Figure B-1. Remove Secondary Locking Wedge



Figure B-2. Depress Terminal Latches/Back Out Pins

NOTE

With few exceptions, the socket housing can always be found on the accessory side, while the pin side of the connector is plumbed to the wiring harness.

REMOVING/INSTALLING SOCKETS

- 1. See Figure B-1. Remove the secondary locking wedge. Insert the blade of a small screwdriver between the socket housing and locking wedge inline with the groove (inline with the pin holes if the groove is absent). Turn the screwdriver 90 degrees to pop the wedge up.
- Gently depress terminal latches inside socket housing and back out sockets through holes in rear wire seal. See Figure B-2.

NOTE

If new terminals must be installed, see CRIMPING INSTRUCTIONS in this section.

- 3. Fit rear wire seal into back of socket housing, if removed. Grasp socket approximately 1 inch (25.4 mm) behind the contact barrel. Gently push sockets through holes in wire seal into their respective chambers. Feed socket into chamber until it "clicks" in place. Verify that socket will not back out of chamber; a slight tug on the wire will confirm that it is properly locked in place.
- 4. Install internal seal on lip of socket housing, if removed. Insert tapered end of secondary locking wedge into socket housing and press down until it snaps in place. The wedge fits into the center groove within the socket housing and holds the terminal latches tightly closed.

<u>HOME</u>



Figure B-3. 12-Place Deutsch Connector (Exploded View)

NOTE

While rectangular wedges do not require a special orientation, the conical secondary locking wedge of the 3-place connector must be installed with the arrow pointing toward the external latch. See Figure B-4.

NOTE

If the secondary locking wedge does not slide into the installed position easily, verify that all terminals are fully installed in the socket housing. The lock indicates when terminals are not properly installed by not entering its fully installed position.

REMOVING/INSTALLING PINS

 Remove the secondary locking wedge. Use the hooked end of a stiff piece of mechanics wire, a needle nose pliers or a suitable pick tool (HD-41475-100). See Figure B-6.



Figure B-4. 3-Place Locking Wedge Orientation



Figure B-5. 2-Place, 3-Place and 4-Place Deutsch Connectors

HOME



2. Gently depress terminal latches inside pin housing and back out pins through holes in wire seal.

NOTE

If new terminals must be installed, see CRIMPING INSTRUCTIONS on this page.

- 3. Fit wire seal into back of pin housing. Grasp crimped pin approximately 1 inch (25.4 mm) behind the contact barrel. Gently push pins through holes in wire seal into their respective numbered locations. Feed pin into chamber until it "clicks" in place. Verify that pin will not back out of chamber; a slight tug on the wire will confirm that it is properly locked in place.
- 4. Insert tapered end of secondary locking wedge into pin housing and press down until it snaps in place. The wedge fits in the center groove within the pin housing and holds the terminal latches tightly closed.

NOTE

While rectangular wedges do not require a special orientation, the conical secondary locking wedge of the 3-place connector must be installed with the arrow pointing toward the external latch. See Figure B-4.

NOTE

If the secondary locking wedge does not slide into the installed position easily, verify that all terminals are fully installed in the pin housing. The lock indicates when terminals are not properly installed by not entering its fully installed position.

ASSEMBLING/INSTALLING

 Insert socket housing into pin housing until it snaps in place. Two-, three-, four- and six-place Deutsch connectors have one external latch on the socket half of the connector. To fit the halves of the connector together, the latch on the socket side must be aligned with the latch cover on the pin side.

For those connectors with two external latches (8-place and 12-place), a different system is used to prevent improper assembly. Align the tabs on the socket housing with the grooves on the pin housing. Push the connector halves together until the latches "click." If latches do not click (latch), press on one side of the connector until that latch engages, then press on the opposite side to engage the other latch.

NOTES

- Deutsch connectors are colored coded for location purposes. Those connectors associated with left side accessories, such as the front and rear left turn signals, are gray. All other connectors, including those associated with right side accessories, are black.
- If it should become necessary to replace a plug or receptacle, please note that the 8-place and 12-place gray and black connectors are not interchangeable. Since location of the alignment tabs differ between the black and gray connectors, plugs or receptacles must be replaced by those of the same color. If replacing both the socket and pin halves, then the black may be substituted for the gray, and vice versa. The socket and pin halves of all other connectors are interchangeable, that is, the black may be mated with the gray, since the alignment tabs are absent and the orientation of the external latch is the same.
- Fit the attachment clip to the pin housing, if removed. Place large end of slot on attachment clip over T-stud on frame. Push assembly forward to engage small end of slot.

CRIMPING INSTRUCTIONS

Use the Deutsch Terminal Crimp Tool (HD-39965) to install standard size terminals with crimp tails, as described under STANDARD TERMINALS below. To install the mini-Deutsch terminals with crimp tails, see MINI TERMINALS, which follows. To install those terminals without crimp tails, both standard and mini-Deutsch, use the Deutsch Solid Barrel Contact Crimp Tool (HD-42879) as described under SOLID BARREL CONTACTS.

NOTE

A Deutsch Connector Service Kit (HD-41475) contains a selection of wire seals, internal seals, seal plugs, secondary locking wedges, attachment clips and socket/pin terminals. Also included is a compartmented storage box, carrying case and pick tool (HD-41475-100) used for the removal of all types of locking wedges.

STANDARD TERMINALS

- 1. Obtain the DEUTSCH TERMINAL CRIMP TOOL (HD-39965).
- 2. Squeeze the handles to cycle the crimp tool to the fully open position. See Figure B-7.



Figure B-7. Deutsch Crimping Procedure

<u>HOME</u>

- 3. Raise the locking bar by pushing up on bottom flange. With the crimp tails facing upward, insert contact (socket/pin) through hole of locking bar, so that the rounded side of the contact barrel rests on the nest (concave split level area) of the crimp tool. Use the middle hole in the locking bar for 16-18 gauge wire, the front hole for 20 gauge wire.
- 4. Release locking bar to lock position of contact. If the crimp tails are slightly out of vertical alignment, the crimp tool automatically rotates the contact so that the tails face straight upward. When correctly positioned, the locking bar fits snugly in the space between the contact band and the core crimp tails.
- 5. Strip lead removing 5/32 inch (4.0 mm) of insulation. Insert wires between crimp tails until ends make contact with locking bar. Verify that wire is positioned so that short pair of crimp tails squeeze bare wire strands, while long pair folds over insulation material.
- 6. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete. Raise up locking bar and remove contact.
- 7. Inspect the quality of the core and insulation crimps. Distortion should be minimal.

MINI TERMINALS

- Obtain the PACKARD TERMINAL CRIMP TOOL (HD-38125-7).
- 2. Strip wire lead removing 5/32 inch (4.0 mm) of insulation.
- 3. Compress handles until ratchet automatically opens.

NOTE

Always perform core crimp before insulation crimp.

- 4. Position the core crimp on nest E of the crimping tool. Be sure the core crimp tails are facing the forming jaws.
- 5. Gently apply pressure to handles of tool until crimpers just secure the core crimp tails.
- 6. Insert stripped wire between crimp tails. Verify that wire is positioned so that short pair of crimp tails squeeze bare wire strands, while long pair is positioned over the insulation material.
- 7. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete.
- 8. Position the <u>insulation crimp on nest C</u> of the crimping tool. Be sure the insulation crimp tails are facing the forming jaws.
- 9. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete.
- 10. Inspect the quality of the core and insulation crimps. Distortion should be minimal.

SOLID BARREL CONTACTS

For Size 20, 16 and 12 Contacts Wire Range 26-12 AWG

- 1. Obtain the DEUTSCH SOLID BARREL CONTACT CRIMP TOOL (HD-42879).
- 2. Squeeze the handles to cycle the crimp tool to the fully open position.
- 3. Remove locking pin from selector knob. See Figure B-8.
- 4. Raise selector knob and rotate until selected wire size stamped on wheel is aligned with "SEL. NO." arrow. See upper frame of Figure B-9.
- 5. Loosen knurled locknut and turn adjusting screw clockwise (in) until it stops.
- 6. Turn tool over and drop contact into indentor cover hole with the wire end out.
- Turn adjusting screw counterclockwise (out) until contact is flush with bottom of depression in indentor cover. Tighten knurled locknut.
- Slowly squeeze handles of crimp tool until contact is centered between indentor points. See middle frame of Figure B-9.
- 9. Strip wire lead removing 1/4 inch (6.4 mm) of insulation.
- 10. Insert bare wire strands into contact barrel. See lower frame of Figure B-9.
- 11. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete.
- 12. Remove crimped contact from indentor.
- 13. Inspect the quality of the crimp. Verify that all wire strands are in crimp barrel.



Figure B-8. Deutsch Solid Barrel Contact Crimp Tool (Part No. HD-42879)



Figure B-9. Deutsch Solid Barrel Contact Crimping Procedure

NOTE

Tool must be readjusted when changing contact size/type.

14. Install pin to lock position of selector knob.

1-PLACE CABLE CONNECTOR

General

Use the following instructions to service the voltage regulator cable connector.

Removal

- 1. Depress external latch and separate pin and socket halves of connector.
- 2. Pull rear wire seal from back of housing and slide down voltage regulator cable to move out of the way.
- 3. Obtain terminal pick tool (Deutsch® 114008) like that shown in A of Figure B-10.

CAUTION

Rough handling or careless storage can result in tool damage. Exercise care to avoid cracking or breaking the thin plastic construction.

- Install terminal pick tool onto voltage regulator cable so that the tapered end is in the wire end of the housing. See B of Figure B-10.
- Push tool into wire end of housing until it bottoms. Gently tug on housing to pull from terminal. See C of Figure B-10.
- 6. Remove tool from voltage regulator cable.

Installation

- 1. Insert terminal into wire end of housing until it "clicks" in place. Verify that terminal will not back out of housing. A slight tug on the voltage regulator cable will confirm that it is properly locked in place.
- 2. Fit rear wire seal into back of housing.
- 3. Mate pin and socket halves of connector.



Figure B-10. Remove Socket/Pin Housing

AMP MULTILOCK ELECTRICAL CONNECTORS

REMOVING SOCKET/PIN TERMINALS

- 1. Remove connector from the retaining device, either attachment or rosebud clip.
- 2. Depress the button on the socket terminal side of the connector (plug) and pull apart the pin and socket halves. See Figure B-11.
- 3. Bend back the latch slightly and free one side of secondary lock, then repeat the step to release the other side. Rotate the secondary lock outward on hinge to access terminals in chambers of connector housing.
- Looking in the terminal side of the connector (opposite the secondary lock), take note of the cavity next to each terminal.
- 5. See Figure B-12. With the flat edge against the terminal, insert the pick (Snap-On TT600-3) into the cavity until it stops. Pivot the end of the pick away from the terminal and gently tug on wire to pull terminal from chamber. Do not tug on the wire until the tang is released or the terminal will be difficult to remove. A "click" is heard if the tang

is engaged but then inadvertently released. Repeat the step without releasing the tang.

NOTE

An Electrical Terminal Crimp Tool (Part No. HD-41609) is used to install Amp Multilock pin and socket terminals on wires. If new terminals must be installed, see CRIMPING INSTRUCTIONS in this section.

INSTALLING SOCKET/PIN TERMINALS

NOTE

For wire location purposes, numbers are stamped into the secondary locks of both the socket and pin housings. See Figure B-14.

1. From the secondary lock side of the connector, insert the terminal into its respective numbered chamber until it snaps in place. For proper fit, the slot in the terminal must face the tang in the chamber.



Figure B-11. 10-Place Amp Multilock Connector (Exploded View)



Figure B-12. Release Tang and Back Out Terminals

NOTE

The tang in the chamber engages the slot to lock the terminal in position. On the pin side of the connector, tangs are positioned at the bottom of each chamber, so the slot in the pin terminal (on the side opposite the crimp tails) must face downward. On the socket side, tangs are at the top of each chamber, so the socket terminal slot (on the same side as the crimp tails) must face upward. Up and down can be determined by the position of the release button (used to separate the pin and socket halves), the button always being the top of the connector. See Figure B-13.

2. Gently tug on wire end to verify that the terminal is locked in place and will not back out of chamber.



Figure B-13. Tang Location (Cross Sectional View)



Figure B-14. Numbers Stamped on Secondary Locks for Wire Color Locations (Socket Housings Shown)



Figure B-15. 3-Place and 6-Place Amp Multilock Connectors

<u>HOME</u>



Figure B-16. Amp Multilock Crimping Procedure

<u>HOME</u>

- 3. Rotate the hinged secondary lock inward until tabs fully engage latches on both sides of connector.
- 4. Insert the socket housing (plug) into the pin housing (receptacle) until it snaps in place.
- 5. Install connector on retaining device, either attachment or rosebud clip.

CRIMPING INSTRUCTIONS

- 1. Squeeze the handles to cycle the crimp tool (Part No. HD-41609) to the fully open position.
- Raise locking bar by pushing up on bottom flange. With the crimp tails facing upward, insert contact (socket/pin) through locking bar, so that the closed side of the contact rests on the nest (concave split level area) of the crimp tool). Use the front nest for 20 gauge wire, the middle for 16 gauge and the rear for 18 gauge. See Figure B-16.
- 3. Release locking bar to lock position of contact. When correctly positioned, the locking bar fits snugly in the space at the front of the core crimp tails.
- 4. Strip lead removing 5/32 inch (4.0 mm) of insulation. Insert wires between crimp tails until ends make contact with locking bar. Verify that wire is positioned so that short pair of crimp tails squeeze bare wire strands, while long pair folds over insulation material.
- 5. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete. Raise up locking bar and remove contact.
- 6. Inspect the quality of the core and insulation crimps. Distortion should be minimal.

PACKARD ELECTRICAL CONNECTORS

150 METRI-PACK SERIES

General

Use these instructions to service the following connectors:

- MAP Sensor [80B]
- Ignition Coil [83B/130B]
- IAC Actuator [87B]
- TP Sensor [88B]
- ET Sensor [90B]
- IAT Sensor [89B]

Disassembly

- 1. Remove the connector from the retaining device, if present.
- 2. Bend back the external latch(es) slightly and separate the pin and socket halves of the connector.
- 3. To free a pull-to-seat terminal from the connector housing, first look into the mating end of the connector to find the locking tang. See A in Figure B-18. The tangs are always positioned in the middle of the chamber and are on the same side as the external latch. On those connectors with locking ears, the tang is on the side opposite the ear. See Figure B-19.
- 4. At a slight angle, gently insert the point of a one inch safety pin down the middle of the chamber about 1/8 inch (3.2 mm), and pivot the end of the pin toward the terminal body. When a click is heard, remove the pin and repeat the procedure. See B in Figure B-18. The click is the sound of the tang returning to the locked position as it slips from the point of the pin. Pick at the tang in this manner until the clicking stops and the pin seems to slide in at a slightly greater depth than it had previously. This is an indication that the tang has been depressed.

NOTE

On those terminals that have been extracted on a previous occasion, no clicking sound may be heard when the pin is pivoted to depress the tang, but proceed as if the clicking is audible and then push on the wire end of the lead to check if the terminal is free.

NOTE

When picking multiple terminals, the end of the pin may become malleable. For best results, continue the procedure with a new safety pin.



Figure B-17. Packard External Latch Type Connectors (Socket Sides)

 Remove the pin and push on the wire end of the lead to extract the terminal from the mating end of the connector. See C in Figure B-18. If necessary, pull back the conduit and remove the wire seal at the back of the connector to introduce some slack in the wires.



Figure B-18. Depress Tang and Extract Terminal From Mating End of Connector

6. If necessary, crimp new terminals on wires. See Crimping Instructions at the end of this section.

Assembly

NOTE

For wire location purposes, alpha characters are stamped into the socket housings.

1. Using a thin flat blade, like that on an X-Acto knife, carefully bend the tang outward away from the terminal body. See D in Figure B-18.



Figure B-19. Packard Pull-to-Seat Terminal Connector With Locking Ear

- 2. Gently pull on the lead at the wire end of the connector to draw the terminal back into the chamber. A click is heard when the terminal is properly seated.
- 3. Push on the lead to verify that the terminal is locked in place.
- 4. Push the pin and socket halves of the connector together until the latches "click."

280 METRI-PACK SERIES

General

Use these instructions to service the following:

- Front/Rear Fuel Injectors [84B/85B]
- System Fuse Block [64B]

Fuel Injectors

Disassembly

- 1. Depress the wireform and use a rocking motion to detach the electrical connector.
- 2. Pry rubber seal from wire end of connector and move seal down wires toward conduit.



Figure B-20. Extract/Install Socket Terminal at Mating End of Connector

- 3. Hold the connector so that the wireform is facing down, and looking into the wire end of the connector, insert the point of a safety pin between the top of the terminal and the inside chamber wall.
- 4. Push safety pin completely into chamber while watching terminal on mating end of connector. When terminal is observed moving forward slightly, then tang is depressed. See A in Figure B-20. Remove safety pin.

NOTE

Repeat steps 3 and 4 as necessary until the desired result is achieved.

- 5. Push on wire end of the lead to extract the terminal from the mating end of the connector. See B in Figure B-20.
- 6. If necessary, crimp new terminals on wires. See Crimping Instructions at the end of this section.

Assembly

NOTE

For wire color locations, see Section B.8 WIRING DIA-GRAMS and then refer to Figure B-21.

 Using a thin flat blade, like that on an X-Acto knife, carefully bend the tang outward away from the terminal body. See C in Figure B-20.

- Gently pull on the lead at the wire end of the connector to draw the terminal back into the chamber. Be sure that the tang faces opposite the wireform as it enters the chamber. A "click" is heard when the terminal is properly seated. See D in Figure B-20.
- 3. Push on lead to verify that terminal is locked in place.
- 4. Fit rubber wire seal back into wire end of connector.
- 5. Push the pin and socket halves of the connector together until the latch "clicks." The groove in the socket housing must be aligned with the tab in the pin housing.



Figure B-21. Fuel Injector Connector [84B/85B]

System Fuse Block

Disassembly

- Remove system fuses and relay(s) from fuse block. See Section 8.3 SYSTEM FUSES, SYSTEM FUSES/ RELAYS, REMOVAL.
- 2. Remove secondary locks as follows:
 - a. Insert end of small flat blade screwdriver under lip of locking wedge and gently pry up secondary lock.

NOTE

For best results, start with locking wedge on outboard side of secondary lock. See Figure B-22.

- 3. Remove socket terminals as follows:
 - a. Looking into chamber at top of fuse block, note the tang next to each socket terminal.
 - b. Using a thin flat blade, like that on an X-Acto knife, gently push tang away from terminal, and then tug on wire to back terminal out wire end of chamber.
- 4. If necessary, crimp new terminals on wires. See Crimping Instructions at the end of this section.

Assembly

1. Install socket terminals as follows:

NOTE

See Section B.8 WIRING DIAGRAMS, MAIN HARNESS, for wire colors and locations.

- a. With the open side of the socket terminal facing the tang, push lead into chamber at the wire end of the fuse block. A click is heard when the terminal is properly engaged.
- Gently tug on the wire to verify that the terminal is locked in place and will not back out of the chamber.
- 2. Install secondary locks as follows:
 - With the locking wedges positioned above the tangs in each chamber, slide flat side of secondary lock into slot (between rows), and push down until it bottoms. See Figure B-22.
- Install system fuses and relay(s) in fuse block. See Section 8.3 SYSTEM FUSES, SYSTEM FUSES/RELAYS, INSTALLATION.

480 METRI-PACK SERIES

General

Use the following instructions to service the B+ connector.



Figure B-22. Remove Secondary Locks From Fuse Block



Figure B-23. Fuse Block (FLTR, FLHTC/U)

Disassembly

1. Remove seat. See Section 2.24 SEAT, REMOVAL.

Always disconnect the negative battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion, which could result in death or serious injury.

2. Unthread bolt and remove battery negative cable (black) from battery negative (-) terminal.



Figure B-24. Remove Seat

- 3. Unthread bolt and remove battery positive cable (red) from battery positive (+) terminal.
- Using a T40 TORX drive head, loosen bolt to move lip of hold-down clamp off edge of battery. Remove battery from battery box.
- 5. Cut anchored cable strap to release accessory connector and B+ connector from left side of frame crossmember (in front of battery box). See Figure B-24.
- 6. Using small flat blade screwdriver, depress button on pin housing (red wire) side of the connector and pull apart the pin and socket halves. See A of Figure B-25.
- Bend back the latch slightly and free one side of secondary lock, then repeat the step to release the other side. Rotate the secondary lock outward on hinge to access terminal in chamber of connector housing. See B of Figure B-25.
- 8. On the mating end of the connector, note the tang in the square shaped opening centered next to the terminal. Gently insert the point of a stick pin or large safety pin into the opening between the tang and the chamber wall until it stops. Pivot the end of the pin toward the terminal body to depress the tang. Remove the pin and then pull terminal out wire end of connector housing. See C of Figure B-25.
- 9. If necessary, crimp new terminals on wires. See Crimping Instructions at the end of this section.

Assembly

1. Carefully bend the tang outward away from the terminal body.

- With the tang on the same side as the square shaped opening in the mating end of the connector housing, feed terminal into wire end of connector housing until it "clicks" in place.
- 3. Verify that terminal will not back out of the chamber. A slight tug on the cable will confirm that it is locked.
- 4. Rotate the hinged secondary lock inward until latches fully engage tabs on both sides of connector housing.
- 5. Mate pin and socket halves of connector.
- Install new anchored cable strap in lower hole on left side of frame crossmember (in front of battery box). Tighten cable strap to capture conduit of both accessory connector and B+ connector approximately one inch from connector housings. See Figure B-25.
- 7. Place battery in battery box, terminal side forward.



Figure B-25. Remove Socket Terminal

Always connect the positive battery cable first. If the positive cable should contact ground with the negative cable installed, the resulting sparks may cause a battery explosion, which could result in death or serious injury.

- Insert bolt through battery positive cable (red) into threaded hole of battery positive (+) terminal. Tighten bolt to 60-96 in-lbs (6.8-10.9 Nm).
- Insert bolt through battery negative cable (black) into threaded hole of battery negative (-) terminal. Tighten bolt to 60-96 in-lbs (6.8-10.9 Nm).
- 10. Rotate hold-down clamp so that the lip (with rubber pad) rests on the edge of the battery. Using a T40 TORX drive head, tighten the clamp bolt to 15-20 ft-lbs (20-27 Nm).
- 11. Install seat. See Section 2.24 SEAT, INSTALLATION.

630 METRI-PACK SERIES

General

Use these instructions to service the following connectors:

- Main to Interconnect Harness [15]
- Ignition Light/Key Switch [33]

Disassembly

- 1. Remove connector from barbed anchor or other retaining device, if present.
- 2. Bend back the external latch slightly and separate pin and socket halves of the connector.
- 3. Bend back the latch slightly and free one side of the secondary lock. Repeat the step to unlatch the other side.
- 4. Rotate the secondary lock outward on hinge to view the terminals in the chambers of the connector housing. The locking tang is on the side opposite the crimp tails and engages a rib in the chamber wall to lock the terminal in place.
- 5. Moving to the mating end of the connector, take note of the small opening on the chamber wall side of each terminal.
- 6. Insert pick (Snap-on® TT600-3) into opening until it stops. Pivot the end of the pick toward the terminal to depress the locking tang.
- 7. Remove the pick and gently tug on the wire to pull the terminal from the wire end of the connector. Repeat steps if the terminal is still locked in place.
- 8. If necessary, crimp new terminals on wires. See Crimping Instructions at the end of this section.

Assembly

NOTE

For wire location purposes, alpha characters are molded into the secondary locks of each connector housing.

- 1. Using a thin flat blade, like that on an X-Acto knife, carefully bend the tang outward away from the terminal body.
- 2. With the tang facing the chamber wall, push the lead into the chamber at the wire end of the connector. A click is heard when the terminal is properly seated.
- 3. Gently tug on the wire end to verify that the terminal is locked in place and will not back out of the chamber.
- 4. Rotate the hinged secondary lock inward until tabs fully engage latches on both sides of connector.
- 5. Push the pin and socket halves of the connector together until the latches "click."
- 6. Install connector on barbed anchor or other retaining device, if present.

800 METRI-PACK SERIES

General

Use the following instructions to service the maxi-fuse holder.

Disassembly

- 1. Remove maxi-fuse. See Section 8.3 SYSTEM FUSES. MAXI-FUSE, REMOVAL.
- 2. Remove socket terminals as follows:
 - Gently pull sides of secondary lock away from socket housing to disengage slots from tabs on socket housing. See A of Figure B-26. Free secondary lock from cables and set aside.
 - b. Take note of the opening on one side of the socket terminal. Gently insert flat blade of pick (Snap-On TT600-5) or small screwdriver into opening until it stops. Pivot the pick toward the terminal body and hold in position. See B of Figure B-26.
 - c. Tug on cable to pull socket from wire end of socket housing. A firm tug is necessary to overcome the resistance of the rubber seal.
 - d. Repeat steps 2(b) and 2(c) to remove remaining socket terminal.
- 3. If necessary, crimp new terminals on wires. See Crimping Instructions at the end of this section.



Figure B-26. Remove Socket Terminals

Assembly

- 1. Install socket terminals as follows:
 - a. Carefully bend tang outward away from the terminal body. See C of Figure B-26.
 - b. Feed socket into wire end of socket housing until it "clicks" in place. Verify that socket will not back out of chamber. A slight tug on the cable will confirm that it is locked.
 - c. Push rubber seal into wire end of socket housing.

- d. Repeat steps 1(a) thru 1(c) to install remaining socket terminal.
- e. Install secondary lock onto cables and then push onto wire end of socket housing until slots engage tabs on sides of socket housing.
- 2. Install maxi-fuse. See Section 8.3 SYSTEM FUSES. MAXI-FUSE, INSTALLATION.

PACKARD MICRO 64

General

Use the following instructions to service the speedometer and tachometer connectors.

Disassembly

1. Bend back the external latches slightly and separate the pin and socket halves of the connector.

NOTE

To differentiate between the speedometer and tachometer connectors, note that the speedometer connector has a second length of conduit leading to the odometer reset switch.

- 2. Locate the head of the secondary lockpin on one side of the connector housing. See Figure B-28.
- 3. Insert the blade of a small screwdriver between the center ear of the lockpin and the connector housing and gently pry out lockpin. When partially removed, pull lockpin from connector housing.
- 4. Obtain the Packard Micro 64 Terminal Remover (HD-45928). See Figure B-27. Proceed as follows:
 - a. Locate small hole between terminals on mating end of connector. See Figure B-28.
 - b. Push the adjacent terminals all the way into the connector housing and then insert tool into hole until it bottoms. See upper frame of Figure B-29.



Figure B-27. Packard Micro 64 Terminal Remover (Part No. HD-45928).



Figure B-28. Mating End of Connector



Figure B-29. Insert Tool and Remove Terminal

- c. Leaving the tool installed, gently tug on wires to pull either one or both terminals from wire end of connector. See lower frame of Figure B-29. Remove tool.
- 5. If necessary, crimp new terminals on wires. See Crimping Instructions on this page.

Assembly

1. Insert terminal into its respective numbered chamber on wire end of connector. No special orientation of the terminal is necessary.

For wire location purposes, the corners of the socket housing are stamped with the numbers 1, 6, 7 and 12, representing terminals 1-6 on one side, and 7-12 on the other. See Figure B-28.

2. Bottom the terminal in the chamber and then gently tug on the wire to verify that it is locked in place.

NOTE

Once the terminal is removed it may not lock in place when first reinstalled. Until the lock engages, move the terminal back and forth slightly while wiggling the lead.

- 3. Since the terminal remover tool releases two terminals simultaneously, repeat step 2 on the adjacent terminal even if it was not pulled from the connector housing.
- 4. With the center ear on the head of the secondary lockpin facing the mating end of the connector, push lockpin in until head is flush with the connector housing.
- 5. Push the pin and socket halves of the connector together until the latches "click."

Crimping Instructions

- 1. Strip lead removing 1/8 inch (3.0 mm) of insulation.
- Obtain the Packard Micro 64 Terminal Crimper (HD-45929). See Figure B-30.
- 3. Squeeze the handles to cycle the tool to the fully open position.
- 4. Obtain **new** contact (socket terminal). Verify that contact and crimp tails are not bent or deformed.
- 5. Raise locking bar and barrel holder by pushing up on bottom tab with index finger. See Figure B-31.
- 6. With the crimp tails facing upward, insert contact through locking bar into front hole in barrel holder (20-22 gauge wire).
- Release locking bar to lock position of contact. When correctly positioned, the locking bar fits snugly in the space at the front of the core crimp tails and the closed side of the terminal rests on the outer nest of the crimp tool. See Figure B-32.



Figure B-30. Packard Micro 64 Terminal Crimper (Part No. HD-45929)



Figure B-31. Raise Locking Bar and Barrel Holder



Figure B-32. Position Contact in Crimper



Figure B-33. Crimp Terminal Onto Wire

- 8. Insert wires between crimp tails until ends make contact with locking bar. Verify that wire is positioned so that wide pair of crimp tails squeeze bare wire strands, while the narrow pair folds over the insulation material.
- 9. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete. See Figure B-33.
- 10. Raise locking bar and barrel holder to remove contact.

11. Inspect the quality of the core and insulation crimps. Distortion should be minimal.

PACKARD 100W

General

Use the following instructions to service the ECM connector.

Disassembly

- 1. Gently depress latch on each side of the clear plastic secondary lock and remove. For best results, release one side at a time, See Figure B-34.
- 2. Carefully cut cable strap to free strain relief collar from conduit.
- Using a thin blade, gently pry at seam at back of socket housing to release three plastic pins from slots in housing. Separate and spread halves of socket housing. See Figure B-35.
- 4. Push on selected wire to free terminal from chamber. See Figure B-36.
- 5. If necessary, crimp new terminals on wires. See Crimping Instructions on the next page.



Figure B-34. Remove Secondary Lock



Figure B-35. Separate Halves of Socket Housing



Figure B-36. Push Wire to Extract Terminal

Assembly

- 1. From inside socket housing, gently pull on wire to draw terminal into chamber. See Figure B-36.
- Exercising caution to avoid pinching wires, press halves of socket housing together until three plastic pins fully engage slots in housing. See Figure B-35.
- 3. Install **new** cable strap in groove of strain relief collar capturing cable conduit. See Figure B-34.
- 4. With the two ribs on the secondary lock on the same side as the external latch, install over terminals until latches lock in place.

Crimping Instructions

- 1. Strip wire lead removing 5/32 inch (4.0 mm) of insulation.
- 2. Compress handles until ratchet automatically opens.

NOTE

Always perform core crimp before insulation/seal crimp.

- 3. See Figure B-37. Determine the correct dye or nest for the core crimp.
- 4. Position the core crimp on the appropriate nest. Be sure the core crimp tails are facing the forming jaws.
- 5. Gently apply pressure to handles of tool until crimpers just secure the core crimp tails.
- 6. Insert stripped wire between crimp tails. Verify that wire is positioned so that short pair of crimp tails squeeze bare wire strands, while long pair is positioned over the insulation or seal material.
- 7. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete.
- 8. See Figure B-37. Determine the correct dye or nest for the insulation/seal crimp.



Figure B-37. Packard Terminal Crimp Tools



Figure B-38. Inspect Core and Insulation/Seal Crimps

- 9. Position the insulation/seal crimp on the appropriate nest. Be sure the insulation/seal crimp tails are facing the forming jaws.
- 10. Squeeze handle of crimp tool until tightly closed. Tool automatically opens when the crimping sequence is complete.
- 11. Inspect the quality of the core and insulation/seal crimps. Distortion should be minimal. See Figure B-38.

AUTOFUSE ELECTRICAL CONNECTOR

General

Use these instructions to service the following connector:

• HDI Ignition Light/Key Switch Jumper Harness [33D]

Disassembly

- 1. Obtain terminal pick (Snap-on® GA500A) like that shown Figure B-39.
- 2. Insert smallest pair of pins into chamber on mating end of socket housing to depress tangs on each side of terminal simultaneously.
- 3. Gently pull on wire to remove terminal from wire end of socket housing.
- 4. If necessary, crimp new terminals on wires.

Assembly

- 1. Using a thin flat blade, like that on an X-Acto knife, carefully bend tang on each side of terminal outward away from terminal body.
- 2. With the open side of the terminal facing rib on wire end of socket housing, insert terminal into chamber until it locks in place.



Figure B-39. Depress Tangs and Remove Terminal

SEALED BUTT SPLICE CONNECTORS

PROCEDURE

Butt splicing may be a necessary procedure for the replacement of some components. Proceed as follows:

- 1. Strip 3/8 inch (9.5 mm) of insulation off the ends of the wires.
- 2. Compress the handles of the Packard Crimp Tool (HD-38125-8) until the ratchet automatically opens.
- 3. Since the size of the connectors vary with the gauge of the wire, reference the following table to ensure properly sealed splices are used.

Gauge Wire	Connector Color	Part Number
18-20	Red	P/N 70585-93
14-16	Blue	P/N 70586-93
10-12	Yellow	P/N 70587-93

- 4. Determine the correct dye or nest for the crimping operation. Match the color or gauge wire marked on the butt splice connector with the corresponding crimp cavity on the crimp tool. See Figure B-40.
- 5. Gently apply pressure to the handles until the crimper lightly secures one side of the metal insert inside the butt splice connector. The connector must be crimped in two stages, one side and then the other.
- 6. See Figure B-41. Feed the wire into the butt splice connector until the stripped end contacts the wire stop inside the metal insert.
- 7. Squeeze the handles of the crimp tool until tightly closed. The tool automatically opens when the crimping se-quence is complete.

8. Repeat steps 5-7 on the other side of the butt splice connector.

NOTE

If adjacent wires are being spliced, stagger the splices so that the butt splice connectors are spaced at different positions along the length of the wires.

 Using the UltraTorch UT-100 (HD-39969), Robinair Heat Gun (HD-25070) with heatshrink attachment (HD-41183) or other suitable radiant heating device, heat the crimped splice to encapsulate the butt splice connection. Apply heat from the center of the crimp out to each end until the meltable sealant exudes out both ends of the connector. See Figure B-41.



Figure B-40. Packard Crimp Tool (HD-38125-8)



Figure B-41. Installing Sealed Butt Splice Connectors

Use extreme caution when operating the UltraTorch UT-100 or any other radiant heating device. Read the manufacturers instructions carefully before use. Always keep hands away from tool tip area and heat shrink attachment. Avoid directing the heat toward any fuel system component. Extreme heat can cause fuel ignition/explosion. Avoid directing heat toward any electrical system component other than the connectors on which heat shrink work is being performed. Be sure to turn the "ON/ OFF" switch to the "OFF" position after use. Inadequate safety precautions could result in death or serious injury. It is acceptable for the splice to rest against the heat shrink tool attachment.

10. Heat the center of the splice until the crimp indentations disappear and the tubing assumes a smooth cylindrical appearance.

1-PLACE CONNECTOR

The 1-place Amp MATE-N-LOK connector can be found on some Touring models.

SOCKET TERMINAL

Removal

- 1. Bend back the ears on the pin housing slightly and separate the pin and socket halves of the connector.
- 2. Grasp the lead on the wire end of the socket housing and push the terminal forward toward the mating end of the connector until it stops. This will disengage the locking tang from the groove in the connector.
- 3. Fit the barrel of the Amp Socket Terminal Remover (HD-39621-27) over the socket, and while rotating the tool slightly, push until it bottoms in the housing. Allow the plunger to "back out" of the handle. See Figure B-42.



Figure B-42. Remove Terminal from Amp Socket Housing

4. Holding the socket housing while keeping the tool firmly bottomed, depress the plunger. The terminal pops out the wire end of the connector.

NOTE

If the terminal is not released from the socket housing, then the terminal was not pushed forward far enough before placement of the tool or the tool was not bottomed in the connector housing.

Installation

- 1. Note the lip at the middle of the socket housing. One side of the lip is flat while the other side is tapered. Insert the wire terminal into the socket housing on the flat lip side.
- 2. Push the lead into the socket housing until it stops. A click is heard when the terminal is properly seated.
- 3. Gently tug on the lead to verify that the terminal is locked in place.
- 4. Push the pin and socket halves of the connector together until the latches "click."

PIN TERMINAL

Removal

- 1. Bend back the ears on the pin housing slightly and separate the pin and socket halves of the connector.
- 2. Grasp the lead on the wire end of the pin housing and push the terminal forward toward the mating end of the connector until it stops. This will disengage the locking tang from the groove in the connector.
- 3. Fit the barrel of the Amp Pin Terminal Remover (HD-39621-28) over the pin, and while rotating the tool slightly, push until it bottoms in the housing. Allow the plunger to "back out" of the handle. See Figure B-43.
- 4. Holding the pin housing while keeping the tool firmly bottomed, depress the plunger. The terminal pops out the wire end of the connector.

NOTE

If the terminal is not released from the pin housing, then the terminal was not pushed forward far enough before placement of the tool or the tool was not bottomed in the connector housing.

<u>HOME</u>



Figure B-43. Remove Terminal from Amp Pin Housing

Installation

- 1. Push the lead into the pin housing until it stops. A click is heard when the terminal is properly seated.
- 2. Gently tug on the lead to verify that the terminal is locked in place.
- 3. Push the pin and socket halves of the connector together until the latches "click."

No	Description	Type	Location	Fig
[4]		12 Blaza Dautach (Black)		
[1]		12 - Flace Deutsch (Black)	Inner Fairing - night Fairing Support Bross	44
[2]		12 - Flace Deutsch (Gray)	Linner Frame Cross Member (Linder Sost)	44
[4]	Mavi Euro	2 Place Deutsch		49
[5]		2 - Place Packard	Under Leit Side Cover	40
[0]	Audio to Interconnect Harness	3 - Place Deutsch (Black)	Inner Fairing - Back of Radio	50
[/]	Rear Fender Lights Harness	8 - Place Multilock	ling of Rear Fender (Under Seat)	52
[8]	Ignition Harness (EFI Harness on Fuel Injected Models)	12 - Place Deutsch (Gray)	Under Right Side Cover	48,51
		12 - Place Deutsch (Black)		51
[12]	Iour-Pak Lights	3 - Place Multilock	Inside Tour-Pak	45
[13]		3 - Place Multilock	Benind Fuel Tank (Under Seat)	55
[15]	Main to Interconnect Harness	4 - Place Packard	Inner Fairing - Bottom of Radio (Right Side)	44
[17]	Cruise Control Module **	10 - Place Packard		46
[18]	Left Rear Turn Signal	2 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[19]	Right Rear Turn Signal	2 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[21]	Indicator Lamps	10 - Place Multilock	Inner Fairing - Above Radio	44
[22]	Interconnect to Right Handlebar Switch Controls	12 - Place Deutsch (Black)	Inner Fairing - Fork Stem Nut Lock Plate (Left Side)	44
[24]	Interconnect to Left Handlebar Switch Controls	12 - Place Deutsch (Gray)	Inner Fairing - Left Fairing Support Brace	44
[27]	Radio *	23 - Place Amp (Black)	Inner Fairing - Back of Radio (Right Side)	44
[28]	Radio **	23 - Place Amp (Gray)	Inner Fairing - Back of Radio (Left Side)	44
[30]	Turn Signal/Security Module	12 - Place Deutsch	Cavity in Crossmember at Rear of Battery Box (Under Seat)	50
[31]	Front Turn Signals	6 - Place Multilock	Inner Fairing - Left Fairing Support Brace	44
[32]	Front Fender Tip Lamp (DOM)	2 - Place Multilock (Black)	Inner Fairing - Below Upper Fork Bracket (Left Side)	44
[33]	Ignition/Light Key Switch	4 - Place Packard	Inner Fairing - Bottom of Radio (Center)	44
[38]	Headlamp	Headlamp Connector	Inner Fairing	-
[39]	Speedometer	12 - Place Packard	Inner Fairing (Back of Speedometer)	44
[41]	Rear Right Speaker/Passenger Controls **	6 - Place Mini-Deutsch	Inside Rear Right Speaker Box	-
[42]	Rear Left Speaker/Passenger Controls **	6 - Place Mini-Deutsch	Inside Rear Left Speaker Box	-
[45]	Rear Fender Tip Lamp (DOM)	3 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[46]	Stator	2 - Place Packard	Bottom of Voltage Regulator	54
[50]	CB Antenna Cable **	-	Inner Fairing - Back of Radio (Right Side)	44,45
[51]	Radio Antenna Cable *	-	Inner Fairing - Back of Radio (Left Side)	44
[53]	Console Pod **	12 - Place Mini-Deutsch	Rear of Battery Box (Under Seat)	50
[64]	Fuse Block	Packard	Under Left Side Cover	46,47
[65]	Vehicle Speed Sensor	3 - Place Deutsch	Under Right Side Cover (Behind Electrical Bracket)	48
[73]	Passing Lamps	2 - Place Multilock (White)	Inner Fairing - Below Upper Fork Bracket (Left Side)	44
[75]	Cruise Roll-Off Switch	Spade Contacts	Right Side of Steering Head	-
[76]	Passenger Headset	7 - Place DIN	Below Rear Left Speaker Box	-
[77]	Voltage Regulator	1 - Place Deutsch	Right Lower Frame Tube (Below Transmission Bracket)	-
[78]	Electronic Control Module (ECM) ***	36 - Place Packard	Under Right Side Cover	48
[79]	Crankshaft Position (CKP) Sensor	2 - Place Mini-Deutsch	Bottom of Voltage Regulator	54
[80]	Manifold Absolute Pressure (MAP) Sensor	3 - Place Packard	Top of Intake Manifold/Induction Module	-
[83]	Ignition Coil	4 - Place Packard	Below Fuel Tank (Left Side)	-
[84]	Front Injector ***	2 - Place Packard	Below Fuel Tank (Left Side)	-
[85]	Rear Injector ***	2 - Place Packard	Below Fuel Tank (Left Side)	-
[87]	Idle Air Control (IAC) ***	4 - Place Packard	Below Fuel Tank (Right Side)	-
[88]	Throttle Position Sensor (TP Sensor) ***	3 - Place Packard	Below Fuel Tank (Right Side)	-
[89]	Intake Air Temperature Sensor (IAT Sensor) ***	2 - Place Packard	Below Fuel Tank (Right Side)	+ -
	, , , , , , , , , , , , , , , , , , , ,		Cont	inued



Figure B-44. Inner Fairing Connectors (FLHT/C/U)

FLHT/C/U WIRE HARNESS CONNECTORS	(Continued)	
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No	Description	Tuno	Location	Fig
NO.	Description	туре	Location	Fig.
[90]	Engine Temperature Sensor (ET Sensor) ***	2 - Place Packard	Back of Front Cylinder (Left Side)	
[91]	Data Link	4 - Place Deutsch	Under Right Side Cover	48
[93]	Tail Lamp	4 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[94]	Rear Fender Lights Harness to Circuit Board	6 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[105]	Fairing Cap Switches	12 - Place Multilock	Inner Fairing - Above Upper Fork Bracket (Right Side)	44
[107]	Ambient Air Temperature Sensor *	3 - Place Multilock	Inner Fairing - Left Fairing Bracket (Outboard Side)	44
[108]	Tachometer	12 - Place Packard	Inner Fairing (Back of Tachometer)	44
[110]	Voltmeter Lamp	Spade Connector	Inner Fairing	-
[111]	Voltmeter	Spade Connector	Inner Fairing	-
[112]	Oil Pressure Gauge Lamp	Spade Connector	Inner Fairing	-
[113]	Oil Pressure Gauge	Spade Connector	Inner Fairing	-
[114]	Air Temperature Gauge Lamp	Spade Connector	Inner Fairing	-
[115]	Air Temperature Gauge	Spade Connector	Inner Fairing	-
[116]	Fuel Gauge Lamp	Spade Connector	Inner Fairing	-
[117]	Fuel Gauge	Spade Connector	Inner Fairing	-
[119]	EFI Fuses ***	Fuse Terminals	Fuse Block (Under Right Side Cover)	48
[121]	Rear Brake Light Switch	Spade Terminals	Beneath Transmission (Right Side)	-
[122]	Horn	Spade Terminals	Between Cylinders (Left Side)	-
[123]	Starter Relay	Relay Connector	Rear of Battery Box (Under Seat) - Left Side	50
[124]	Brake Light Relay	Relay Connector	Fuse Block (Under Left Side Cover)	47
[126]	Ignition Keyswitch Relay	Relay Connector	Rear of Battery Box (Under Seat) - Left Side	50
[128]	Starter Solenoid	Spade Terminals	Top of Starter	-
[129]	Harness Grounds	Ring Terminals	Upper Frame Cross Member (Under Seat)	49
[131]	Neutral Switch	Post Terminals	Transmission Top Cover	-
[132]	Cigarette Lighter *	Spade Terminals	Inner Fairing	-
[135]	EFI System Relay ***	Relay Connector	Fuse Block (Under Right Side Cover)	48
[139]	Oil Pressure Sender	4 - Place Packard	Front Right Crankcase	-
[141]	Fuel Level Sender (and Fuel Pump on EFI models)	3 - Place Mini-Deutsch	Top of Canopy (Under Console)	-
[142]	Security Siren (Optional)	3 - Place Packard	Under Right Side Cover (Behind Electrical Bracket)	48
[156]	Main to Interconnect Harness	6 - Place Deutsch	Inner Fairing - Right Fairing Support Brace	44
[160]	B+	1 - Place Packard	Upper Frame Cross Member (Under Seat)	49
* Class	c and Ultra ** Ultra Only *** Fuel Injected Models	**** Carbureted Models	•	

* Classic and Ultra

*** Fuel Injected Models



Figure B-45. Tour-Pak Connectors



Figure B-46. Cruise Control Module (Under Left Side Cover)



Figure B-47. Fuse Blocks - FLTR, FLHTC/U (Under Left Side Cover)

Figure B-48. Electrical Bracket - Fuel Injected Models (Under Right Side Cover)



Figure B-49. Electrical Connectors - Upper Frame Cross Member (Under Seat)



Figure B-50. Electrical Connectors/Relays (Under Seat)

Figure B-51. Ignition Control Module - Carbureted Models (Under Right Side Cover)

<u>HOME</u>



Figure B-52. Rear Fender (Under Seat)



Figure B-54. Voltage Regulator (Left Side View)



Figure B-53. Rear Fender Lights Assembly



Figure B-55. Rear of Fuel Tank (Under Seat)

	FLHR/C/S WIRE HARNESS CONNECTORS				
No.	Description	Туре	Location	Fig.	
[4]	Accessory	4 - Place Deutsch	Upper Frame Cross Member (Under Seat)	49	
[5]	Maxi-Fuse	2 - Place Packard	Under Left Side Cover	46	
[7]	Rear Fender Lights Harness	8 - Place Multilock	Top of Rear Fender (Under Seat)	52	
[8]	Ignition Harness (EFI Harness on Fuel Injected Models)	12 - Place Deutsch (Gray)	Under Right Side Cover	48,51	
[10]	Ignition Control Module ****	12 - Place Deutsch (Black)	Under Right Side Cover	51	
[18]	Left Rear Turn Signal	2 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
[19]	Right Rear Turn Signal	2 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
[21]	Indicator Lamps	8 - Place Mini-Deutsch	Under Console	57	
[22]	Right Handlebar Controls	6 - Place Deutsch	Inside Headlamp Nacelle - Fork Stem Nut Lock Plate (Right Side)	56	
[24]	Left Handlebar Controls	6 - Place Deutsch	Inside Headlamp Nacelle - Fork Stem Nut Lock Plate (Left Side)	56	
[30]	Turn Signal/Security Module	12 - Place Deutsch	Cavity at Rear of Battery Box (Under Seat)	50	
[31]	Front Turn Signals	6 - Place Multilock	Inside Headlamp Nacelle - Fork Stem Nut Lock Plate (Left Side)	56	
[32]	Front Fender Tip Lamp (DOM)	2 - Place Multilock (Black)	Inside Headlamp Nacelle	56	
[33]	Ignition/Light Key Switch	3 - Place Packard	Under Console	57	
[38]	Headlamp	Headlamp Connector	Inside Headlamp Nacelle	56	
[39]	Speedometer	12 - Place Packard	Back of Speedometer (Under Console)	57	
[45]	Rear Fender Tip Lamp (DOM)	3 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
[46]	Stator	2 - Place Packard	Bottom of Voltage Regulator	54	
[64]	Fuse Block	Packard	Under Left Side Cover	46,47	
[65]	Vehicle Speed Sensor	3 - Place Deutsch	Under Right Side Cover (Behind Electrical Bracket)	48	
[67]	Accessory Switch	4 - Place Amp	Inside Headlamp Nacelle	56	
[73]	Passing Lamps	2 - Place Multilock (White)	Inside Headlamp Nacelle	56	
[75]	Cruise Roll-Off Switch **	Spade Contacts	Right Side of Steering Head	-	
[77]	Voltage Regulator	1 - Place Deutsch	Right Lower Frame Tube (Below Transmission Bracket)	-	
	Continued				



Figure B-56. Headlamp Nacelle Connectors (FLHR/C/S)

Γ

No.DescriptionTypeLocationFig.[78]Electronic Control Module (ECM) ***36. Place PackardUnder Fight Side Cover48[79]Carinshaft Position (CKP) Sensor2. Place PackardBottom of Voltage Regulator51[80]Monitod Abcolate Pressure (MAP) Sensor3. Place PackardBottom of Voltage Regulator61[81]Ignition Col4. Place PackardBelow Fuel Tank (Left Side)61[82]Raer Injector ***2. Place PackardBelow Fuel Tank (Left Side)61[83]Raer Injector ***3. Place PackardBelow Fuel Tank (Left Side)61[84]Forott Infort (AC) ***3. Place PackardBelow Fuel Tank (Right Side)61[85]Intake AAr Temperature Sensor (AT Senson) ***3. Place PackardBelow Fuel Tank (Right Side)61[86]Intake AAr Temperature Sensor (AT Senson) ***3. Place PackardBelow Fuel Tank (Right Side)61[87]Intake AAr Temperature Sensor (AT Senson) ***3. Place PackardBelow Fuel Tank (Right Side)61[80]Dignite Temperature Sensor (AT Senson) ***3. Place PackardBelow Fuel Tank (Right Side)61[81]Dial LaborGantach Tank Left Senson4. Place AnulitokCircuit Board Under Tai Lanp Assembly53[81]Dial LaborGantach Tank Left Side4. Place AnulitokCircuit Board Under Tai Lanp Assembly61[81]Dial LaborGanta Tank Left SideGanta Senson6161[81]Dial LaborGanta		FLIN/C/S WINE HANNESS CONNECTORS (Continued)				
[P8]Electronic Control Module (ECM) ***38 - Place PackardUnder Right Side Cover4 48[P9]Cankshaft Position (CKP) Sensor2 - Place Mini-DeutschBottom of Voltage Regulator54[80]Manilod Absolute Pressure (MAP) Sensor3 - Place PackardBotov Fuel Tank (Left Side)-[84]Ignition Col- Place PackardBotov Fuel Tank (Left Side)-[85]Rear Injector ***- 2 - Place PackardBotov Fuel Tank (Left Side)-[86]Iforto Injector ***- 2 - Place PackardBotov Fuel Tank (Left Side)-[87]Ide Air Contol (LAC) ***- 2 - Place PackardBotov Fuel Tank (Right Side)-[88]Trotte Position Sensor (TP Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[89]Intake Air Temperature Sensor (IT Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[80]Engine Temperature Sensor (IT Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[80]Intake Air Temperature Sensor (IT Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[80]Intake Air Temperature Sensor (IT Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[80]Intake Air Temperature Sensor (IT Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[80]Intake Air Temperature Sensor (IT Sensor) ***- 2 - Place PackardBelow Fuel Tank (Right Side)-[80]Intake Air Temperature Sensor (IT Sensor) ***- 2 - Plac	No.	Description	Туре	Location	Fig.	
[79] Crankshart Position (CKP) Sensor 2 - Piace Mini-Deutsch Bettom of Voltage Regulator 54 [80] Manifold Absolute Pressure (MAP) Sensor 3 - Piace Packard Top of Intake Manifold/Induction Module - [83] Ignition Coll 4 - Piace Packard Below Fuel Tank (Left Side) - [84] Font Inpetor *** 2 - Piace Packard Below Fuel Tank (Left Side) - [87] Idle Ar Control (AC) *** 4 - Piace Packard Below Fuel Tank (Right Side) - [89] Intake Ar Tomperature Sensor (IT Sensor) *** 3 - Piace Packard Below Fuel Tank (Right Side) - [90] Engine Temperature Sensor (IT Sensor) *** 2 - Piace Packard Below Fuel Tank (Right Side) - [91] Data Link AT Piace Multicok Circuit Board Under Tail Lamp Assembly 53 [94] Rear Fonder Light Hamess to Circuit Board 6 - Piace Multicok Circuit Board Under Tail Lamp Assembly 56 [170] Fuel Gauge 4 - Piace Amp Inside Headiamy Nacelle - [100] Diat Link Fuel Sensor Fuel Gauge -	[78]	Electronic Control Module (ECM) ***	36 - Place Packard	Under Right Side Cover	48	
[90]Maniloid Absolute Pressure (MAP) Sensor3 - Piace PackardTop of Intake ManiloidInduction Module-[83]Ignition Coll4 - Piace PackardBelow Fuel Tank (Left Side)-[84]Front Injector ***2 - Piace PackardBelow Fuel Tank (Left Side)-[85]Rear Injector ***4 - Piace PackardBelow Fuel Tank (Right Side)-[86]Intel A Control (AC) ***4 - Piace PackardBelow Fuel Tank (Right Side)-[88]Throttle Position Sensor (TP Sensor) ***2 - Piace PackardBelow Fuel Tank (Right Side)-[89]Intake Air Temperature Sensor (IT Sensor) ***2 - Piace PackardBelow Fuel Tank (Right Side)-[90]Engine Emperature Sensor (IT Sensor) ***2 - Piace PackardBack Or Torol Cyinder (Left Side)-[91]Data Link4 - Piace PackardBack Or Circuit Board Under Tail Lamp Assembly53[93]Tail Lamp4 - Piace MultilockCircuit Board Under Tail Lamp Assembly53[94]Rear Fender Lights Harness to Circuit Board6 - Piace MultilockCircuit Board Under Tail Lamp Assembly53[94]Rear Fender Lights Harness to Circuit Board4 - Piace AmpInside Headamp Nacelle56[171]Fuel Gauge4 - Piace MultilockDelow Fuel Tank (Left Side)-[198]Reing CometorFues TerminalsFues Block (Under Right Side Cover)4[199]EFI Fuses ***Gauge CornectorFues Block (Under Light Side Cover)4[112]Rear Beak Light Sw	[79]	Crankshaft Position (CKP) Sensor	2 - Place Mini-Deutsch	Bottom of Voltage Regulator	54	
IS3 Ignition CollIgnition Coll4 - Place PackardBelow Fuel Tank (Left Side)-IS4 IG41Front Injector ***2 - Place PackardBelow Fuel Tank (Left Side)-IG51Rear Injector ***2 - Place PackardBelow Fuel Tank (Left Side)-IG71Id1e Air Control (AC) ***4 - Place PackardBelow Fuel Tank (Right Side)-IG81Intofte Position Sensor (ITP Sensor) ***3 - Place PackardBelow Fuel Tank (Right Side)-IG90Engine Temperature Sensor (ITT Sensor) ***2 - Place PackardBack of Fort Cylinder (Left Side)-IG91Data Link4 - Place DeutschUnder Right Side Cover48IG93Tail Lamp4 - Place MultilockCircuit Board Under Tail Lamp Assembly53IG94Rear Fender Lights Harness to Circuit Board6 - Place MultilockCircuit Board Under Tail Lamp Assembly53IG94Rear Fender Lights Harness to Circuit Board4 - Place AmpInside Headamp Nacelle66IG91Plassing Lamp Switch4 - Place MultilockBelow Fuel Tank (Left Side)7IG91Persure SwitchPust TerminalFuel Biole (Londer Right Side Cover)47IG91Place SwitchSpade TerminalsBelow Fuel Tank (Left Side)7IG91Persure SwitchSpade TerminalsBelow Fuel Tank (Left Side)7IG91Persure SwitchSpade TerminalsBelow Fuel Tank Side Cover)4IG91Persure SwitchSpade TerminalsBelow Cunder List Side Cover)1 </td <td>[80]</td> <td>Manifold Absolute Pressure (MAP) Sensor</td> <td>3 - Place Packard</td> <td>Top of Intake Manifold/Induction Module</td> <td>-</td>	[80]	Manifold Absolute Pressure (MAP) Sensor	3 - Place Packard	Top of Intake Manifold/Induction Module	-	
[84] Front Injector *** 2 - Place Packard Below Fuel Tank (Left Side) - [85] Rear Injector *** 2 - Place Packard Below Fuel Tank (Right Side) - [87] Idle Air Control (AC) *** 3 - Place Packard Below Fuel Tank (Right Side) - [88] Thate Air Temperature Sensor (AT Sensor) *** 2 - Place Packard Below Fuel Tank (Right Side) - [89] Intake Air Temperature Sensor (AT Sensor) *** 2 - Place Packard Below Fuel Tank (Right Side) - [80] Intake Air Temperature Sensor (AT Sensor) *** 2 - Place Packard Beack of Front Cylinder (Left Side) - [91] Data Link 4 - Place Deutsch Under Right Side Cover 48 [93] Tai Lamp 4 - Place Mutilicok Circuit Board Under Tai Lamp Assembly 53 [94] Rear Fender Lights Hamess to Circuit Board 6 - Place Mutilicok Circuit Board Under Tai Lamp Assembly 53 [195] Optional Tachometer 1 - Place Amp Inside Headiamp Nacelle 56 [117] Fuel Sauge 4 - Place Mutilicok Below Fuel Tank (Left Side) -	[83]	Ignition Coil	4 - Place Packard	Below Fuel Tank (Left Side)	-	
[165] Rear Injector *** 2 - Place Packard Below Fuel Tank (Right Side) - [177] Idle Air Control (AC) *** 4 - Place Packard Below Fuel Tank (Right Side) - [188] Intake Air Temperature Sensor (ITP Sensor) *** 3 - Place Packard Below Fuel Tank (Right Side) - [189] Intake Air Temperature Sensor (ITP Sensor) *** 2 - Place Packard Below Fuel Tank (Right Side) - [181] Intake Air Temperature Sensor (ITP Sensor) *** 2 - Place Packard Below Fuel Tank (Right Side) - [181] Data Link 4 - Place Packard Back of Font Cylindre (Ldt Side) - [181] Data Link 4 - Place Paukard Circuit Board Under Tall Lamp Assembly 53 [194] Rear Fender Lights Harness to Circuit Board 6 - Place Mutilicok Circuit Board Under Tall Lamp Assembly 53 [194] Rear Fender Lights Harness to Circuit Board 6 - Place Mutilicok Circuit Board Under Tall Lamp Assembly 53 [194] Rear Fender Lights Marness to Circuit Board 6 - Place Mutilicok Dial Lamp Assembly Reale Side Cover) 48 [117] Fuel Gauge	[84]	Front Injector ***	2 - Place Packard	Below Fuel Tank (Left Side)	-	
[97]Idle Air Control (AC) ***4 - Place PackardBelow Fuel Tank (Right Side)-[98]Intake Air Temperature Sensor (IT Sensor) ***2 - Place PackardBelow Fuel Tank (Right Side)-[99]Intake Air Temperature Sensor (IT Sensor) ***2 - Place PackardBelow Fuel Tank (Right Side)-[91]Data Link4 - Place DautschBack of Front Cylinder (Left Side)[91]Jata Lanp4 - Place DautschUnder Right Side Cover4[94]Rear Fender Lights Harness to Circuit Board6 - Place MutilicokCircuit Board Under Tail Lamp Assembly53[108]Optional Tachometer1 - Place AmpInside Headiamy Nacelle56[117]Fuel Gauge4 - Place MutilicokBelow Fuel Tank (Left Side)4[118]EFI Fuess ***Fues EmminalsFues Block (Under Right Side Cover)48[119]Fuel Save SwitchA - Place MutilicokBelow Fuel Tank (Left Side)56[117]Fuel GaugeA - Place MutilicokBelow Fuel Tank (Left Side)56[117]Fuel Save SwitchPost TerminalFrom Right Side Cover)48[118]EFI Fuess ***Post TerminalFues Block (Under Right Side Cover)47[119]Rear Role Light RelayRelay ConnectorFues Block (Under Right Side Cover)47[120]Inpresure SwitchRelay ConnectorFues Block (Under Kelst Side)50[121]Barker RolayRelay ConnectorFues Block (Under Right Side Cover)47[1	[85]	Rear Injector ***	2 - Place Packard	Below Fuel Tank (Left Side)	-	
[88] Instite Position Sensor (TP Sensor) ***3 - Place PackardBelow Fuel Tank (Right Side)-[99] Intake Air Temperature Sensor (IAT Sensor) ***2 - Place PackardBelow Fuel Tank (Right Side)-[90]Engine Temperature Sensor (IAT Sensor) ***2 - Place PackardBack of Fornt Cylinder (Left Side)-[91]Data Link4 - Place DeutschUnder Right Side Cover48[93]Tail Lamp4 - Place MutilockCircuit Board Under Tail Lamp Assembly53[108]Optional Tachometer1 - Place AnptInside Headlamp Nacelle56[117]Fue Gauge4 - Place MutilockBelow Fuel Tank (Left Side)-[109]Passing Lamps Switch4 - Place MutilockBelow Fuel Tank (Left Side)56[117]Fue Gauge4 - Place AmptInside Headlamp Nacelle56[117]Fue GaugePost TerminalsFues Block (Under Right Side Cover)47[120]Oil Presser SwitchPost TerminalsBenewat Transmission-[121]Barke Light NathenSpade TerminalsBenewat Transmission-[122]HornSpade TerminalsBenewat Transmission-[123]Siater RelayRelay ConnectorFues Block (Under Left Side)-[124]Brake Light RelayRelay ConnectorFues Block (Under Left Side)-[125]Ignition Kaysetth RelayRelay ConnectorFues Block (Under Left Side)-[126]Ignition Kaysetth RelayRelay ConnectorFues Block (Under Sat	[87]	Idle Air Control (IAC) ***	4 - Place Packard	Below Fuel Tank (Right Side)	-	
[B8]Intake Air Temperature Sensor (IAT Sensor) ***2 - Place PackardBelow Fuel Tank (Right Side)-[19]Engine Temperature Sensor (IAT Sensor) ***2 - Place PackardBack of Front Cylinder (Left Side)-[19]Data Link4 - Place PackardGurcuit Back of Front Cylinder (Left Side)4[19]Tal LampA - Place MultiokkCircuit Board Under Tail Lamp Assembly53[10]Rear Fender Lights Harness to Circuit Board6 - Place MultiokkCircuit Board Under Tail Lamp Assembly53[10]Rear Fender Lights Harness to Circuit Board1 - Place AmpInside Headlamp Nacelle56[10]Sasing Lampa Switch4 - Place MultiockBelow Fuel Tank (Left Side)6[11]Fuel Gauge4 - Place MultiockBelow Fuel Tank (Left Side)6[11]Fuel GaugeFues TerminalsFues Block (Under Right Side Cover)4[12]Rear Frake Light SwitchSpade TerminalsBetween Cylinders (Left Side)6[12]HornSpade TerminalsBetween Cylinders (Left Side Cover)6[12]Inside HealyRelay ConnectorFues Block (Under Left Side Cover)6[13]Stater SelendSpade TerminalsBetween Cylinders (Left Side)6[14]Inside HealyRelay ConnectorFues Block (Under Left Side Cover)6[15]Inside HealyRelay ConnectorRelay ConnectorFues Block (Under Right Side Cover)6[16]Inside HealyRelay ConnectorRelay ConnectorFu	[88]	Throttle Position Sensor (TP Sensor) ***	3 - Place Packard	Below Fuel Tank (Right Side)	-	
[90]Engine Temperature Sensor (ET Sensor) ***2 - Place PackardBack of Front Cylinder (Left Side)-[91]Data Link4 - Place DeutschUnder Right Side Cover48[93]Tail Lamp4 - Place MultilockCircuit Board Under Tail Lamp Assembly53[94]Rear Fender Lights Harness to Circuit Board6 - Place MultilockCircuit Board Under Tail Lamp Assembly53[108]Optional Tachometer1 - Place AmpInside Headlamp Nacelle56[109]Pasing Lamps Switch4 - Place MultilockBelow Fuel Tank (Left Side)61[110]Fuel Gauge4 - Place MultilockBelow Fuel Tank (Left Side)64[111]Fuel Gauge4 - Place MultilockBelow Fuel Tank (Left Side)64[112]Fuel GaugePost TerminalFues Block (Under Right Side Cover)48[112]Rear Brake Light SwitchSpade TerminalsBeneath Transmission61[123]Btarter RelayRelay ConnectorFues Block (Under Left Side Cover)61[124]Brake Light RelayRelay ConnectorFues Block (Under Left Side Cover)61[125]Starter SolenoidSpade TerminalsTop of Starter62[126]Barter SolenoidSpade TerminalsTop of Starter62[127]Harnes GroundsRelay ConnectorFues Block (Under Left Side Cover)61[128]Starter SolenoidSpade TerminalsTop of Starter62[129]Harnes GroundsRelay ConnectorFues Block (Under R	[89]	Intake Air Temperature Sensor (IAT Sensor) ***	2 - Place Packard	Below Fuel Tank (Right Side)	-	
[91]Data Link4 - Place DeutschUnder Right Side Cover4 8[93]Tail Lamp4 - Place MultilockCircuit Board Under Tail Lamp Assembly53[94]Rear Fender Lights Harness to Circuit Board6 - Place MultilockCircuit Board Under Tail Lamp Assembly53[109]Optional Tachometer1 - Place AmpInside Headlamp Nacelle6-[109]Passing Lamp Switch4 - Place MultilockBelow Fuel Tank (Left Side)6-[110]Fuel Gauge4 - Place MultilockBelow Fuel Tank (Left Side)6-[111]Fuel Gauge- Place MultilockBelow Fuel Tank (Left Side)6-[112]Fuel Saves ***Post TerminalsFuse Block (Under Right Side Cover)48[120]Old Pressure SwitchSpade TerminalsBeneath Transmission6-[121]Bear Brake Light SwitchSpade TerminalsBetween Cylinders (Left Side)7-[122]HornSpade TerminalsBetween Cylinders (Left Side Cover)47[123]Stater RelayRelay ConnectorFuse Block (Under Left Side Cover)47[124]Ight Kangkustch RelayRelay ConnectorRelay ConnectorFuse Block (Under Left Side Cover)47[125]Ight Res GroundsSpade TerminalsUpper Frame Cross Member (Under Seat)48[126]Ight Kangkustch RelayRelay ConnectorFuse Block (Under Right Side Cover)48[129]Harnes GroundsSpade TerminalsUpper Frame Cross Member (Under Seat)19[129]	[90]	Engine Temperature Sensor (ET Sensor) ***	2 - Place Packard	Back of Front Cylinder (Left Side)	-	
Image	[91]	Data Link	4 - Place Deutsch	Under Right Side Cover	48	
[94]Rear Fender Lights Harness to Circuit Board6 - Place MultilockCircuit Board Under Tail Lamp Assembly53[108]Optional Tachometer1 - Place AmpInside Headlamp Nacelle-[109]Passing Lamps Switch4 - Place AmpInside Headlamp Nacelle56[111]Fuel Gauge4 - Place MultilockBelow Fuel Tank (Left Side)-[112]Fuel Gauge	[93]	Tail Lamp	4 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
[108]Optional Tachometer1 - Place AmpInside Headlamp Nacelle·[109]Passing Lamps Switch4 - Place AmpInside Headlamp Nacelle56[117]Fuel Gauge4 - Place MuttilockBelow Fuel Tank (Left Side)-[119]EFI Fuses ***Fuse TerminalsFuse Block (Under Right Side Cover)48[120]Oil Pressure SwitchOB Post TerminalsFuse Block (Under Right Side Cover)48[121]Rear Brake Light SwitchSpade TerminalsBetween Cylinders (Left Side)-[122]HornSpade TerminalsBetween Cylinders (Left Side)-[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover)47[124]Brake Light RelayRelay ConnectorRelar of Battery Box (Under Seat) - Left Side50[125]Ignition Keyswitch RelayRelay ConnectorRelar of Battery Box (Under Seat) - Left Side50[126]Ignition Keyswitch RelayRelay ConnectorRelar Of Battery Box (Under Seat) - Left Side50[128]Ignition Keyswitch RelayRelay ConnectorRelay Connector40[139]Neutral SwitchPost TerminalsUpper Frame Cross Member (Under Seat)40[143]Neutral SwitchRelay ConnectorFuse Block (Under Right Side Cover)40[143]Neutral SwitchRelay ConnectorFuse Block (Under Right Side Cover)40[143]Neutral SwitchSa Place Mini-DeutschTop of Tarsmission50[144]Fuel Level Sender (an	[94]	Rear Fender Lights Harness to Circuit Board	6 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
[109]Pasing Lamps Switch4 - Place AmpInside Headlamp Nacelle56[117]Fuel Gauge4 - Place AmpBelow Fuel Tank (Left Side)-[118]EFT Fuses ***Fuse TerminalsFuse Block (Under Right Side Cover)48[120]Oil Pressure SwitchPost TerminalFuse Block (Under Right Side Cover)48[121]Rear Brake Light SwitchSpade TerminalsBeneath Transmission-[122]HornSpade TerminalsBetween Cylinders (Left Side)-[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover)47[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover)47[125]Igntion Keyswitch RelayRelay ConnectorRelay ConnectorFuse Block (Under Left Side Cover)47[126]Igntion Keyswitch RelayRelay ConnectorRelay ConnectorRelay ConnectorFuse Block (Under Left Side Cover)47[126]Igntion Keyswitch RelayRelay ConnectorRelay ConnectorRelay ConnectorFuse Block (Under Side Cover)49[131]Neutral SwitchPost TerminalsUpper Frame Cross Member (Under Seat)49[133]Fuel Sevender (and Fuel Pump on EFI models)3 - Place Maria Left SideTop of Canopy (Under Consol)49[144]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[154]Left Handlebar Controls (Cruise Switches)**2 - Place Deutsch (Gray)Insid	[108]	Optional Tachometer	1 - Place Amp	Inside Headlamp Nacelle	-	
[117]Fuel Gauge4 - Place MultilockBelow Fuel Tank (Left Side)-[119]EFI Fuses ***Fuse TerminalsFuse Block (Under Right Side Cover)48[120]Oil Pressure SwitchPost TerminalFront Right Crankcase-[121]Rear Brake Light SwitchSpade TerminalsBeneath Transmission-[122]HornSpade TerminalsBetween Cylinders (Left Side)-[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover)47[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover)47[125]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side50[128]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side50[129]Harness GroundsRing TerminalsUpper Frame Cross Member (Under Seat)49[131]Neutral SwitchPost TerminalsTop of Transmission-[132]EFI System Relay***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console)49[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches)**2 - Place Deutsch (Gray)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat	[109]	Passing Lamps Switch	4 - Place Amp	Inside Headlamp Nacelle	56	
[119]EFI Fuses ***Fuse TerminalsFuse Block (Under Right Side Cover)48[120]Oil Pressure SwitchPost TerminalFront Right Crankcase.[121]Rear Brake Light SwitchSpade TerminalsBenerath Transmission.[122]HornSpade TerminalsBetween Cylinders (Left Side).[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover).[124]Brake Light RelayRelay ConnectorRelay Connector.[125]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Left Side Cover).[126]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side.[127]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side.[128]Starter SolenoidSpade TerminalsUpper Frame Cross Member (Under Seat).[129]Harness GroundsPost TerminalsTop of Transmission.[131]Neutral SwitchPost TerminalsTop of Canopy (Under Console).[132]FI System Relay ***Affelag ConnectorFuse Block (Under Right Side Cover).[133]Seurity Siren (Optional)3 - Place Mini-DeutschTop of Canopy (Under Console).[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket).[142]Seurity Siren (Optional)2 - Place Deutsch (Gray)Inside Headlamp Nacelle. <td>[117]</td> <td>Fuel Gauge</td> <td>4 - Place Multilock</td> <td>Below Fuel Tank (Left Side)</td> <td>-</td>	[117]	Fuel Gauge	4 - Place Multilock	Below Fuel Tank (Left Side)	-	
[120]Oil Pressure SwitchPost TerminalFront Right Crankcase.[121]Rear Brake Light SwitchSpade TerminalsBeneath Transmission.[122]HornSpade TerminalsBetween Cylinders (Left Side).[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover).[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover).[125]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side.[126]Ignition Keyswitch RelaySpade TerminalsTop of Starter.[127]Istarter SolenoidSpade TerminalsUpper Frame Cross Member (Under Seat) - Left Side.[128]Starter SolenoidPost TerminalsUpper Frame Cross Member (Under Seat).49[131]Neutral SwitchPost TerminalsTop of Transmission.[131]Kell Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console).[142]Security Siren (Optional)3 - Place Deutsch (Gray)Inside Headlamp Nacelle.[153]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Black)Inside Headlamp Nacelle.[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[119]	EFI Fuses ***	Fuse Terminals	Fuse Block (Under Right Side Cover)	48	
[121]Rear Brake Light SwitchSpade TerminalsBeneath Transmission.[122]HornSpade TerminalsBetween Cylinders (Left Side).[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover).[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover).[125]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side.[126]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side.[127]Istarter SolenoidSpade TerminalsTop of Starter.[128]Starter SolenoidPost TerminalsUpper Frame Cross Member (Under Seat).[131]Neutral SwitchPost TerminalsTop of Transmission.[135]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover).[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console).[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket).[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Gray)Inside Headlamp Nacelle.[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)	[120]	Oil Pressure Switch	Post Terminal	Front Right Crankcase	-	
[122]HornSpade TerminalsBetween Cylinders (Left Side).[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover).[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover).[125]Ignition Keyswitch RelayRelay ConnectorRelar of Battery Box (Under Seat) - Left Side.[128]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side.[129]Harness GroundsSpade TerminalsTop of Starter.[121]Harness GroundsPost TerminalsUpper Frame Cross Member (Under Seat).[131]Neutral SwitchPost TerminalsTop of Transmission.[135]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover).[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console).[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket).[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Braay)Inside Headlamp Nacelle.[159]Right Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Black)Inside Headlamp Nacelle.[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)	[121]	Rear Brake Light Switch	Spade Terminals	Beneath Transmission	-	
[123]Starter RelayRelay ConnectorFuse Block (Under Left Side Cover)-[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover)47[126]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side50[128]Starter SolenoidSpade TerminalsTop of Starter-[129]Harness GroundsRing TerminalsUpper Frame Cross Member (Under Seat)49[131]Neutral SwitchPost TerminalsTop of Transmission-[135]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console)-[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Brack)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[122]	Horn	Spade Terminals	Between Cylinders (Left Side)	-	
[124]Brake Light RelayRelay ConnectorFuse Block (Under Left Side Cover)47[126]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side50[128]Starter SolenoidSpade TerminalsTop of Starter-[129]Harness GroundsRing TerminalsUpper Frame Cross Member (Under Seat)49[131]Neutral SwitchPost TerminalsUpper Frame Cross Member (Under Seat)49[131]Starter SolenoidRelay ConnectorFuse Block (Under Right Side Cover)48[141]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Maini-DeutschTop of Canopy (Under Console)-[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Gray)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[123]	Starter Relay	Relay Connector	Fuse Block (Under Left Side Cover)	-	
[126]Ignition Keyswitch RelayRelay ConnectorRear of Battery Box (Under Seat) - Left Side50[128]Starter SolenoidSpade TerminalsTop of Starter-[129]Harness GroundsRing TerminalsUpper Frame Cross Member (Under Seat)49[131]Neutral SwitchPost TerminalsTop of Transmission-[135]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console)-[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Gray)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[124]	Brake Light Relay	Relay Connector	Fuse Block (Under Left Side Cover)	47	
[128]Starter SolenoidSpade TerminalsTop of Starter-[129]Harness GroundsRing TerminalsUpper Frame Cross Member (Under Seat)49[131]Neutral SwitchPost TerminalsTop of Transmission6.[135]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console)-[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Gray)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[126]	Ignition Keyswitch Relay	Relay Connector	Rear of Battery Box (Under Seat) - Left Side	50	
[129]Harness GroundsRing TerminalsUpper Frame Cross Member (Under Seat)49[131]Neutral SwitchPost TerminalsTop of Transmission-[135]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console)-[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Gray)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[128]	Starter Solenoid	Spade Terminals	Top of Starter	-	
[131]Neutral SwitchPost TerminalsTop of Transmission-[133]EFI System Relay ***Relay ConnectorFuse Block (Under Right Side Cover)48[141]Fuel Level Sender (and Fuel Pump on EFI models)3 - Place Mini-DeutschTop of Canopy (Under Console)-[142]Security Siren (Optional)3 - Place PackardUnder Right Side Cover (Behind Electrical Bracket)48[158]Left Handlebar Controls (Cruise Switches) **2 - Place Deutsch (Gray)Inside Headlamp Nacelle56[160]B+1 - Place PackardUpper Frame Cross Member (Under Seat)49	[129]	Harness Grounds	Ring Terminals	Upper Frame Cross Member (Under Seat)	49	
I133 EFI System Relay *** Relay Connector Fuse Block (Under Right Side Cover) 48 [141] Fuel Level Sender (and Fuel Pump on EFI models) 3 - Place Mini-Deutsch Top of Canopy (Under Console) - [142] Security Siren (Optional) 3 - Place Packard Under Right Side Cover (Behind Electrical Bracket) 48 [158] Left Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Gray) Inside Headlamp Nacelle 56 [159] Right Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Black) Inside Headlamp Nacelle 56 [160] B+ 1 - Place Packard Upper Frame Cross Member (Under Seat) 49	[131]	Neutral Switch	Post Terminals	Top of Transmission	-	
International Internat International International	[135]	EFI System Relay ***	Relay Connector	Fuse Block (Under Right Side Cover)	48	
[142] Security Siren (Optional) 3 - Place Packard Under Right Side Cover (Behind Electrical Bracket) 48 [158] Left Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Gray) Inside Headlamp Nacelle 56 [159] Right Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Black) Inside Headlamp Nacelle 56 [160] B+ 1 - Place Packard Upper Frame Cross Member (Under Seat) 49	[141]	Fuel Level Sender (and Fuel Pump on EFI models)	3 - Place Mini-Deutsch	Top of Canopy (Under Console)	-	
[158] Left Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Gray) Inside Headlamp Nacelle 56 [159] Right Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Black) Inside Headlamp Nacelle 56 [160] B+ 1 - Place Packard Upper Frame Cross Member (Under Seat) 49	[142]	Security Siren (Optional)	3 - Place Packard	Under Right Side Cover (Behind Electrical Bracket)	48	
[159] Right Handlebar Controls (Cruise Switches) ** 2 - Place Deutsch (Black) Inside Headlamp Nacelle 56 [160] B+ 1 - Place Packard Upper Frame Cross Member (Under Seat) 49	[158]	Left Handlebar Controls (Cruise Switches) **	2 - Place Deutsch (Gray)	Inside Headlamp Nacelle	56	
[160] B+ 1 - Place Packard Upper Frame Cross Member (Under Seat) 49	[159]	Right Handlebar Controls (Cruise Switches) **	2 - Place Deutsch (Black)	Inside Headlamp Nacelle	56	
	[160]	B+	1 - Place Packard	Upper Frame Cross Member (Under Seat)	49	

FLHR/C/S WIRE HARNESS CONNECTORS (Continued)

** FLHRC Only *** Fuel Injected Models **** Carbureted Models



Figure B-57. Instrument Console Connectors (FLHR/C)

	FLTR WIRE HARNESS CONNECTORS			
No.	Description	Туре	Location	Fig.
[1]	Main to Interconnect Harness	12 - Place Deutsch (Black)	Inner Fairing - Below Radio (Right Side)	59
[2]	Main to Interconnect Harness	12 - Place Deutsch (Gray)	Inner Fairing - Below Radio (Right Side)	59
[4]	Accessory	4 - Place Deutsch	Upper Frame Cross Member (Under Seat)	49
[5]	Maxi-Fuse	2 - Place Packard	Under Left Side Cover	46
[7]	Rear Fender Lights Harness	8 - Place Multilock	Top of Rear Fender (Under Seat)	52
[8]	Ignition Harness (EFI Harness on Fuel Injected Models)	12 - Place Deutsch (Gray)	Under Right Side Cover	48,51
[10]	Ignition Control Module ****	12 - Place Deutsch (Black)	Under Right Side Cover	51
[13]	Fuel Tank Harness	3 - Place Multilock	Behind Fuel Tank (Under Seat)	55
[15]	Main to Interconnect Harness	4 - Place Packard	Inner Fairing - Below Radio (Right Side)	59
[17]	Cruise Control Module	10 - Place Packard	Under Left Side Cover	46
[18]	Left Rear Turn Signal	2 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[19]	Right Rear Turn Signal	2 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[21]	Indicator Lamps	10 - Place Multilock	Inside Instrument Nacelle (Under Bezel)	58
[22]	Interconnect to Right Handlebar Switch Controls	12 - Place Deutsch (Black)	Inner Fairing - Left Side of Radio Bracket	59
[24]	Interconnect to Left Handlebar Switch Controls	12 - Place Deutsch (Gray)	Inner Fairing - Left Side of Radio Bracket	59
[27]	Radio	23 - Place Amp (Black)	Inner Fairing - Back of Radio (Right Side)	59
[30]	Turn Signal/Security Module	12 - Place Deutsch (Gray)	Cavity at Rear of Battery Box (Under Seat)	50
[31L]	Front Turn Signals - Left Side	3 - Place Multilock	Inner Fairing - Left Side	59
[31R]	Front Turn Signals - Right Side	3 - Place Multilock	Inner Fairing - Right Side	59
[33]	Ignition/Light Key Switch	4 - Place Packard	Inner Fairing - Inside Fairing Bracket Tunnel (Right Side)	59
[38]	Headlamp	Headlamp Connector	Inner Fairing	59
[39]	Speedometer	12 - Place Packard	Inside Instrument Nacelle (Back of Speedometer)	58
[45]	Rear Fender Tip Lamp (DOM)	3 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53
[46]	Stator	2 - Place Packard	Bottom of Voltage Regulator	54
[51]	Radio Antenna Cable	-	Inner Fairing - Back of Radio (Left Side)	59
[64]	Fuse Block	Packard	Under Left Side Cover	46,47
[65]	Vehicle Speed Sensor	3 - Place Deutsch	Under Right Side Cover (Behind Electrical Bracket)	48
		•	Cont	inued



Figure B-58. Instrument Nacelle Connectors (FLTR)

	FLTR WIRE HARNESS CONNECTORS (Continued)			
No.	Description	Туре	Location	Fig.
[75]	Cruise Roll-Off Switch	Spade Contacts	Right Side of Steering Head	-
[77]	Voltage Regulator	1 - Place Deutsch	Right Lower Frame Tube (Below Transmission Bracket)	-
[78]	Electronic Control Module (ECM) ***	36 - Place Packard	Under Right Side Cover	48
[79]	Crankshaft Position (CKP) Sensor	2 - Place Mini-Deutsch	Bottom of Voltage Regulator	54
[80]	Manifold Absolute Pressure (MAP) Sensor	3 - Place Packard	Top of Intake Manifold/Induction Module	-
[83]	Ignition Coil	4 - Place Packard	Below Fuel Tank (Left Side)	-
[84]	Front Injector ***	2 - Place Packard	Below Fuel Tank (Left Side)	-
[85]	Rear Injector ***	2 - Place Packard	Below Fuel Tank (Left Side)	-
[87]	Idle Air Control (IAC) ***	4 - Place Packard	Below Fuel Tank (Right Side)	-
[88]	Throttle Position Sensor (TP Sensor) ***	3 - Place Packard	Below Fuel Tank (Right Side)	-
[89]	Intake Air Temperature Sensor (IAT Sensor) ***	2 - Place Packard	Below Fuel Tank (Right Side)	-
[90]	Engine Temperature Sensor (ET Sensor) ***	2 - Place Packard	Back of Front Cylinder (Left Side)	-
	·		Cor	tinued



	FLTR WIRE HARNESS CONNECTORS (Continued)					
No.		Description	Туре	Location	Fig.	
[91]	Data Link		4 - Place Deutsch	Under Right Side Cover	48	
[93]	Tail Lamp		4 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
[94]	Rear Fender L	ights Harness to Circuit Board	6 - Place Multilock	Circuit Board Under Tail Lamp Assembly	53	
	Instrument Na	celle Switches	· · ·		1	
[105]	[105A, 105B]	Interconnect to Nacelle Switch Harness	12 - Place Multilock	Inside Instrument Nacelle (Under Bezel)	58	
	[105C, 105D]	Nacelle Switch Harness to Speaker Switch	4 - Place Multilock	Inside Instrument Nacelle (Under Bezel)	58	
[107]	Ambient Air Te	emperature Sensor	3 - Place Multilock	Inside Instrument Nacelle (Under Bezel)	58	
[108]	Tachometer		12 - Place Packard	Inside Instrument Nacelle (Back of Tachometer)	58	
[110]	Voltmeter Lam	p	Spade Connector	Inner Fairing	-	
[111]	Voltmeter		Spade Connector	Inner Fairing	-	
[112]	Oil Pressure G	aauge Lamp	Spade Connector	Inner Fairing	-	
[113]	Oil Pressure G	auge	Spade Connector	Inner Fairing	-	
[114]	Air Temperatu	re Gauge Lamp	Spade Connector	Inner Fairing	-	
[115]	Air Temperatu	re Gauge	Spade Connector	Inner Fairing	-	
[116]	Fuel Gauge La	amp	Spade Connector	Inner Fairing	-	
[117]	Fuel Gauge		Spade Connector	Inner Fairing	-	
[119]	EFI Fuses ***		Fuse Terminals	Fuse Block (Under Right Side Cover)	48	
[121]	Rear Brake Lig	ght Switch	Spade Terminals	Beneath Transmission (Right Side)	-	
[122]	Horn		Spade Terminals	Between Cylinders (Left Side)	-	
[123]	Starter Relay		Relay Connector	Rear of Battery Box (Under Seat) - Left Side	-	
[124]	Brake Light Re	əlay	Relay Connector	Fuse Block (Under Left Side Cover)	47	
[126]	Ignition Keysw	itch Relay	Relay Connector	Rear of Battery Box (Under Seat) - Left Side	50	
[128]	Starter Solence	id	Spade Terminals	Top of Starter	-	
[129]	Harness Grou	nds	Ring Terminals	Upper Frame Cross Member (Under Seat)	49	
[131]	Neutral Switch	1	Post Terminals	Transmission Top Cover	-	
[132]	Cigarette Ligh	ter	Spade Terminals	Inner Fairing	-	
[135]	EFI System R	elay ***	Relay Connector	Fuse Block (Under Right Side Cover)	48	
[139]	Oil Pressure S	Sender	4 - Place Packard	Front Right Crankcase	-	
[141]	Fuel Level Ser	nder (and Fuel Pump on EFI models)	3 - Place Mini-Deutsch	Top of Canopy (Under Console)	-	
[142]	Security Siren	(Optional)	3 - Place Packard	Under Right Side Cover (Behind Electrical Bracket)	48	
[156]	Main to Interco	onnect Harness	6 - Place Deutsch	Inner Fairing - Below Radio (Right Side)	59	
[160]	B+		1 - Place Packard	Upper Frame Cross Member (Under Seat)	49	

*** Fuel Injected Models **** Carbureted Models

WIRING DIAGRAMS

SUBJECT

Main Harness	43
Interconnect Harness	44
Ignition Harness (Carbureted) B-4	45
Electronic Fuel Injection (EFI) Harness B-4	45
Ignition Switch	46
Tail Lamp, Passing Lamps, Fender Tip Lamps, Directional Lamps	
and Tour-Pak Lights B	46
Starting and Charging B	47
Handlebar Controls and Indicator Lamps B-4	48
Fairing Cap Switches B	48
Radio, CB/Intercom and Rear Speakers B-4	49

FLTR

. =	
Main Harness	B-43
Interconnect Harness	B-44
Ignition Harness (Carbureted)	B-45
Electronic Fuel Injection (EFI) Harness	B-45
Ignition Switch	B-46
Tail Lamp and Directional Lamps	B-46
Starting and Charging	B-47
Handlebar Controls and Indicator Lamps	B-48
Instrument Nacelle Switches	B-48
Radio	B-49

FLHR, FLHRC, FLHRS

Main Harness	B-50
Ignition Harness (Carbureted)	B-51
Electronic Fuel Injection (EFI) Harness	B-51
Starting and Charging	B-52
Handlebar Controls, Speedometer, Indicator Lamps, Tail Lamp, Passing Lamps,	
Directional Lamps, Fender Tip Lamps and Spot/Accessory Switches	B-53
TLE Sidecar. TLE Ultra Sidecar	
Chassis	B-54
Audio Harness	B-54

NOTE

Harness Part No.'s may be included on some wiring diagrams. Use these numbers for reference only. ALWAYS REFER TO THE PARTS CATALOG WHEN ORDERING WIRING HARNESSES.

HOME NOTES



[131]

HORN

[122]

[75C]

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[75D]

Y/V

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2004 FLHT, FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Main Harness

[12A]

REAR

SWITCH

STOPLIGHT

f

[121]

[17B]

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[17A]

[7A]

AUCOMFQIJA

ON/OFF

BN/V BE/B M/BI GN/

654321

TO INTERCONNECT

[156B]

GY)

[156A]

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SETCOAST RESUME/ACCAST OTTLE ROLL-OFF IGNUND IGNITON IGNITON BRAKE SIGNAL SET LAMP SET LAMP SET LAMP

CRUISE CONTROL MODULE

BN/GN GN/Y

[139B]

DCBA

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OIL

SENDER

[139A]

PRESSURE

THROTTLE

ROLL-OFF SWITCH

[75A]

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[75B]

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2004 FLHT, FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Interconnect Harness

HOME

HOME



2004 FLHT, FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Ignition Harness (Carbureted), Electronic Fuel Injection (EFI) Harness





2004 FLHT, FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Ignition Switch, Tail Lamp, Passing Lamps, Fender Tip Lamps, Directional Lamps and Tour-Pak Lights





2004 FLHT, FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Starting and Charging



2004 FLHT, FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Handlebar Controls, Indicator Lamps and Fairing Cap/Instrument Nacelle Switches

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2004 FLHTC, FLHTCU and FLTR, DOMESTIC and INTERNATIONAL Models, Radio, CB/Intercom and Rear Speakers





2004 FLHR, FLHRC and FLHRS, DOMESTIC and INTERNATIONAL Models, Main Harness **HOME**



2004 FLHR, FLHRC and FLHRS, DOMESTIC and INTERNATIONAL Models, Ignition Harness (Carbureted), Electronic Fuel Injection (EFI) Harness





2004 FLHR, FLHRC and FLHRS, DOMESTIC and INTERNATIONAL Models, **Starting and Charging**



2004 FLHR, FLHRC and FLHRS, DOMESTIC and INTERNATIONAL Models, Handlebar Controls, Speedometer, Indicator Lamps, Tail Lamp, Passing Lamps, Directional Lamps, Fender Tip Lamps and Spot/Accessory Switches





2004 TLE, TLE-U SIDECARS, DOMESTIC AND INTERNATIONAL Models, Chassis and Audio Harness