



GENUINE ACCESSORIES
















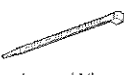





INSTALLATION INSTRUCTIONS

PART NUMBER (s):
0000-8F-N02B

REMOTE START SYSTEM

APPLICABLE MODELS:
2007 > MAZDA CX-9
ALL MODELS

NOTE: BOTH VEHICLE IGNITION KEYS ARE REQUIRED AT TIME OF INSTALLATION. DO NOT BEGIN INSTALLATION WITHOUT BOTH KEYS.

<p>HOOD SAFETY SWITCH KIT CONTENTS P/N: 0000-8F-H03</p>  <p>Hood Safety Switch (QTY 1)</p>  <p>1/4" Self Drilling Screws (QTY 2)</p>  <p>Locking Washer (QTY 2)</p>  <p>Wire Tie (QTY 2)</p>  <p>IDC Wire Tap (QTY 2)</p>	<p>KIT CONTENTS</p>  <p>Remote Start Control Module (QTY-1) P/N: 0000-8F-Z01</p>  <p>DNA Card (QTY-1) P/N: 0000-8F-M21</p>  <p>Remote Start Transmitters (QTY-2) P/N: 0000-8F-Z02</p>  <p>Dipole Antenna (QTY-1) P/N: 0000-8F-Z10</p>  <p>Remote Start Wire Harness (QTY-1) P/N: 0000-8F-N18A</p>  <p>Wallet Card (QTY 1)</p>  <p>Underhood Sticker (QTY 1) P/N: 0000-8F-Z12</p>  <p>Programming Button (QTY 1) P/N: 0000-8F-Z03</p>  <p>Owners Manual (QTY 1)</p>  <p>Mini Fuses (QTY - (1) 5 AMP) (QTY - (7) 15 AMP)</p>  <p>Long Wire Tie (QTY 4)</p>				
<p>IMMOBILIZER INTERFACE KIT CONTENTS P/N: 0000-8F-H05A</p>  <p>Immobilizer Interface Module and Harness (QTY-1)</p>  <p>Adhesive Primer (QTY-1)</p>  <p>2-Sided Tape (QTY-1)</p>	<p>PARTS BAG CONTENTS</p>  <p>Wire Tie (QTY-10)</p>  <p>IDC Wire Tap (QTY-8)</p>				

TOOLS REQUIRED

SAFETY GLASSES
ELECTRICAL TAPE
WIRE CUTTERS
PLIERS
ALCOHOL or GLASS CLEANER
#2 PHILLIPS SCREWDRIVER
POWER DRILL
9/32" DRILL BIT
FIBER STICK
10 mm SOCKET AND RATCHET
1/4" SOCKET AND DRIVE
3/8" DRIVE TORQUE WRENCH
3/8" DRIVE 10mm SOCKET
HI-TEMPERATURE SILICONE

0 VEHICLE PREPARATION

1. CLEAN HANDS
2. OPEN DRIVER'S DOOR WINDOW
3. RECORD RADIO STATION PRESETS
4. SET PARKING BRAKE
5. ENSURE VEHICLE WILL START UTILIZING THE IGNITION KNOB & VALET KEY (SMART-KEY EQUIPPED VEHICLES ONLY)
6. DISCONNECT AND ISOLATE NEGATIVE BATTERY TERMINAL
7. VEHICLE MUST BE AT ROOM TEMPERATURE

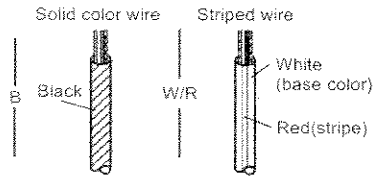
Wire color code

Two-color wires are indicated by a two-letter symbol. The first indicates the base color of the wire, the second the color of the stripe.

For example:

- W/R is a white wire with a red stripe
- BR/Y is a brown wire with a yellow stripe

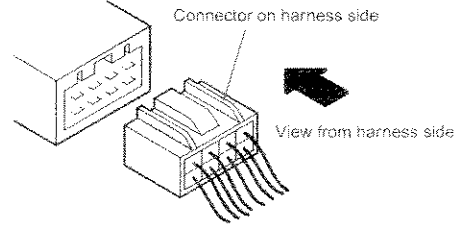
Symbol
(Example)



Connector diagrams

Connector diagrams show connectors on the harness side. The terminal indicates the view from the harness side.

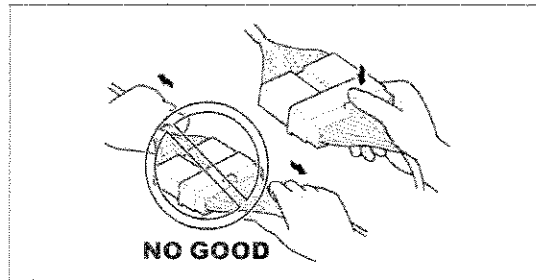
(Example)



Unused terminals are indicated by *.

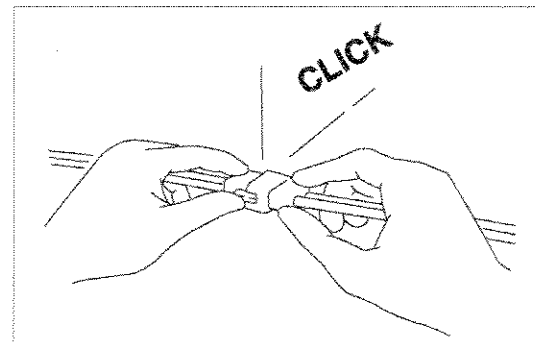
Disconnecting Connectors

When disconnecting connector, grasp the connectors, not the wires.

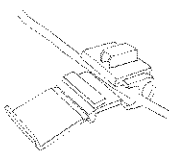


Locking Connector

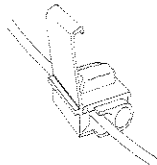
When locking connectors, listen for a click indicating they are securely locked.



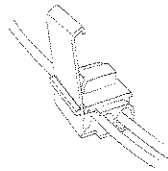
IDC Wire Tap Procedure



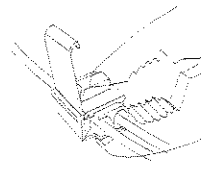
Place IDC on vehicle wire.



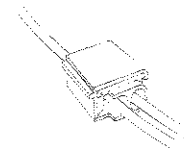
Close side of IDC.



Insert remote start wire into IDC.



Crimp IDC metal tab over both wires until flush with top of IDC.



Close top of IDC.

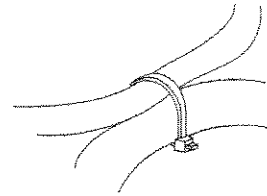
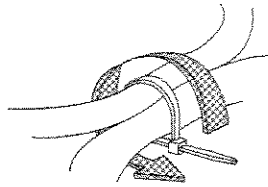
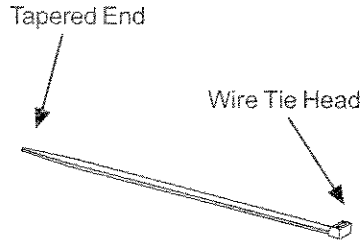
0**ELECTRICAL SYSTEM GENERAL PROCEDURES; continued****Wire Tie Procedure**

1. Wrap wire tie around the harnesses you wish to secure together.

2. Insert the *Tapered End* of the wire tie into the *Wire Tie Head*.

3. Pull the *Tapered End* through the *Wire Tie Head* until the wire tie is snug.

4. Trim wire tie end after tightening.

**1****VEHICLE PREPARATION**

1. Disconnect and Remove Battery

- a. Disconnect and isolate the negative and positive battery terminals. (FIGURE A)
- b. Remove battery hold-down bracket assembly by loosening both 10 mm nuts and pivoting lower retainers toward vehicle dashwall. (FIGURE A)
- c. Carefully remove the battery from vehicle.

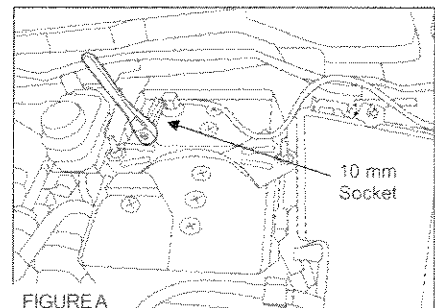


FIGURE A

2. Remove the following components:

- a. Using a fiber stick, remove the driver's side scuff plate. The scuff plate is held by 3 clips. (FIGURE B)

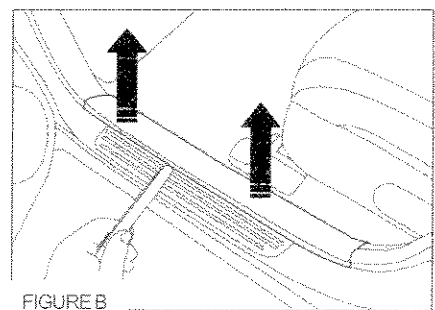


FIGURE B

1**VEHICLE PREPARATION; continued**

- b. Remove the driver's side kick panel by removing the plastic nut. (FIGURE C) Partially peel back the rubber weatherstrip away from the kick panel. Insert a fiber stick between the body and kick panel to disengage the retaining clip. Gently pull the kick panel toward the passenger's side of the vehicle to remove.

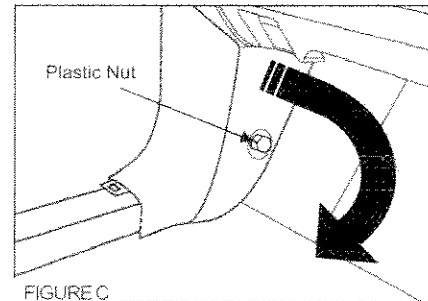


FIGURE C

- c. Remove the black, lower dash panel by using a fiber stick to pull the plastic center button of both plastic fasteners out to disengage. Use a fiber stick to disengage the single clip located at the front, center of the panel and remove. (FIGURE D)

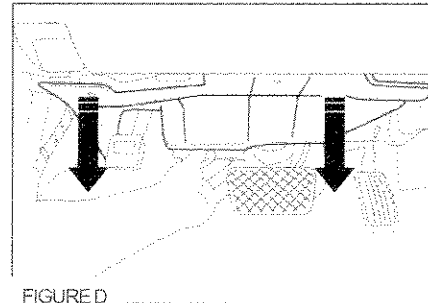


FIGURE D

- d. Smart-Key equipped vehicles only - Remove the ignition knob by depressing both buttons on either side of knob and pulling away from ignition switch.

- e. Remove the three (3) phillips head screws from the lower steering column cover. (FIGURE E)

- f. Insert a fiber stick between the combination switch and the lower cover. Gently rotate the fiber stick until top and bottom covers separate. (FIGURE E)

- g. Retractable Key equipped vehicles only - Gently unclip the ignition key light and remove the lower cover.

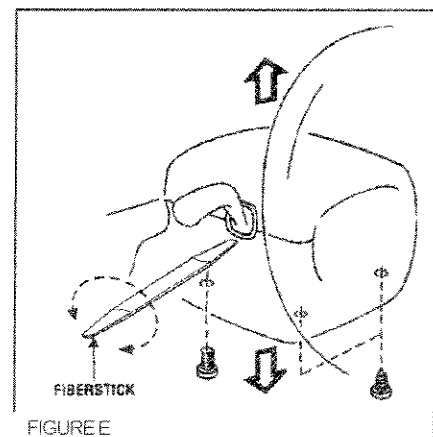


FIGURE E

2 REMOTE START CONTROL MODULE PREPARATION

1. Insert the supplied fuses into the remote start control module as shown below. (FIGURE F) The fuses fit tightly, so use the flat tip of a fiber stick to push them in place, if necessary.
2. Install DNA card into the remote start control module as shown below. (FIGURE G)
⚠ CAUTION: Use care to assure that both rows of the multi-pin connector are aligned and seated properly or the remote start system will NOT operate properly.
3. Plug the supplied wire harness 10-pin and 24-pin connectors into the remote start control module. (FIGURE H) Make sure the connectors are seated completely. NOTE: The connectors will only plug into the remote start control module one way.
4. Plug the supplied immobilizer interface 4-pin connector into the remote start control module. (FIGURE H)

NOTE: TAPE OFF THE WHITE WIRE (IF EQUIPPED) COMING FROM THE 4-WAY CONNECTOR (THIS WIRE IS NOT USED ON THIS SYSTEM).

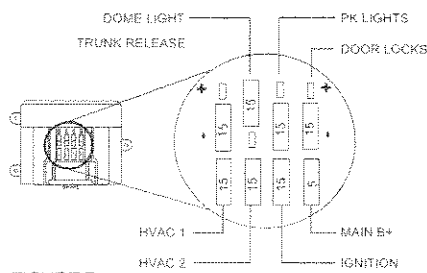


FIGURE F

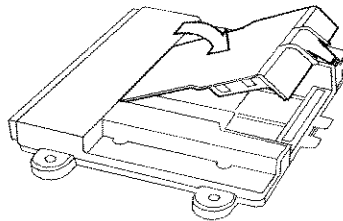


FIGURE G

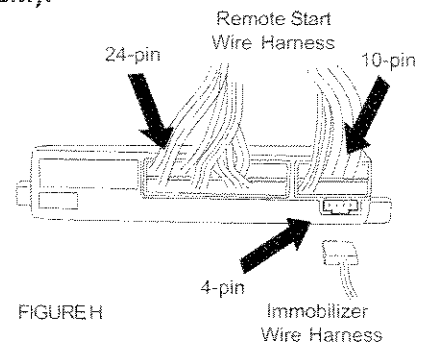


FIGURE H

3 REMOTE ENGINE START MODULE AND IMMOBILIZER INTERFACE MOUNTING

REMOTE ENGINE START MODULE MOUNTING

1. Locate the two large wire harnesses high up under the dashboard running near the vehicle dashwall.
2. Using (3) supplied, long wire ties, secure the remote start control module to the wire harnesses. (FIGURE I)

NOTE: EXTREME CARE MUST BE TAKEN TO ROUTE THE REMOTE START WIRING HARNESS AWAY FROM ANY EXISTING INSTALLED ACCESSORIES.

IMMOBILIZER INTERFACE MODULE MOUNTING

1. Locate the large wire harness routed between the steering column and diagnostic connector. (FIGURE J)
2. Using (1) supplied, long wire tie, secure the immobilizer interface to the wire harness. (FIGURE J)

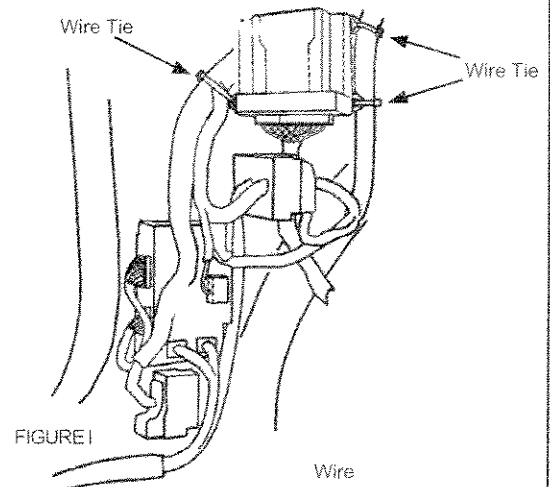


FIGURE I

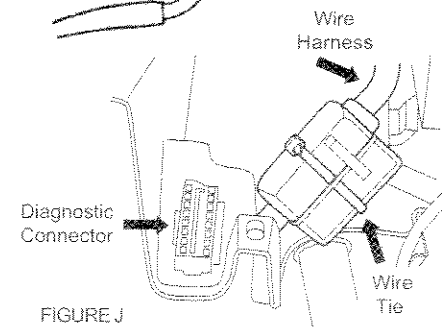


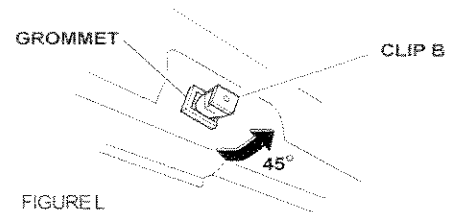
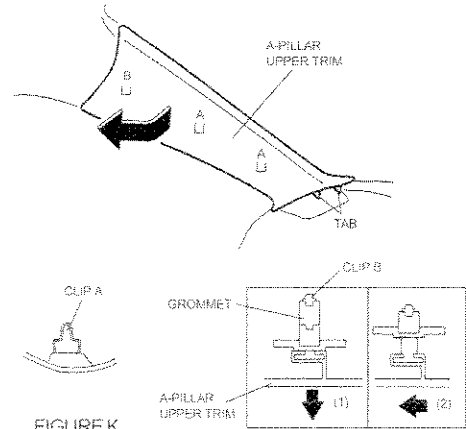
FIGURE J

4

DIPOLE ANTENNA MOUNTING

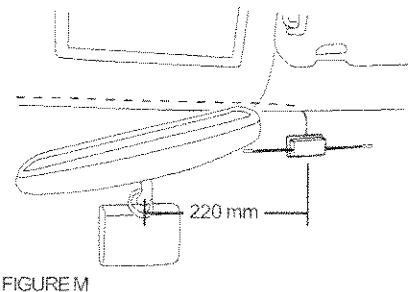
1. Driver's A-Pillar Trim Removal/Installation

- a. Partially peel back the rubber weatherstrip away from the A-pillar trim.
- b. Pull the A-pillar trim, then disengage clips A. (FIGURE K)
- c. Pull the A-pillar trim, then disengage clip B (Picture 1).
- d. Pull the A-pillar trim upward, then disengage clip B from the A-pillar trim (Picture 2).
- e. Disengage the tabs from the dashboard, then remove the A-pillar trim.
- f. Pull clip B out, then rotate 45 degrees. (FIGURE L)
- g. Remove clip B from the grommet by pulling it outward and replace clip B into A-pillar trim for reassembly.



2. Clean mounting spot with an alcohol pad prior to mounting. Mount the dipole antenna to the windshield 220 mm to the right of the center of the mirror base on the windshield, directly below the black windshield frit. (FIGURE M)

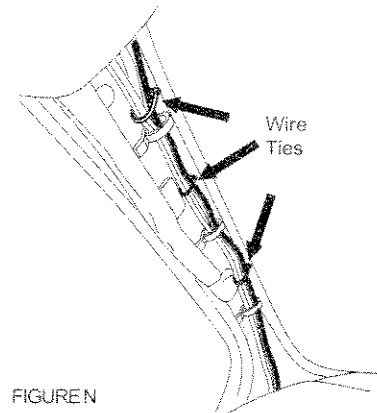
⚠ CAUTION: Mounting dipole antenna on black windshield frit will result in reduced operating range.



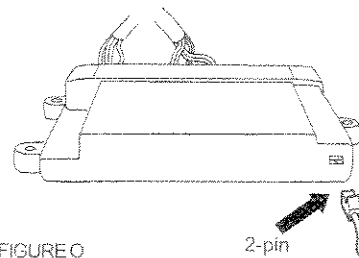
3. Run the antenna wire above the headliner to the driver's A-pillar, using a fiber stick to secure under the headliner. (FIGURE M)

4. Route the antenna wire down the A-pillar, securing it to the existing wire harness with (3) supplied, short wire ties. (FIGURE N)

⚠ CAUTION: Do not secure antenna wire to the moonroof drain tube, if equipped, or to any airbag components.



5. Route the antenna wire behind the left side of the dashboard and over to the remote start control module. Plug the 2-pin antenna connector into the 2-pin port on the bottom of the remote start control module. (FIGURE O)



6. Re-install the driver's side A-pillar panel and re-install the rubber weatherstrip along the A-pillar.

5**HOOD SAFETY SWITCH MOUNTING**

1. Using (2) supplied, 1/4" self drilling screws and (2) supplied lock washers, secure the hood safety switch to the drivers side of the vehicle's hood 105 mm above the top of the hood mounting bracket and 70 mm from the side edge of the hood. (FIGURE P & Q)
2. Route the hood safety switch wiring down into the engine compartment along the inside of the hood hinge and secure using (1) supplied, short wire tie. (FIGURE Q)
3. Remove the plastic phillips screw in cowl panel to route the hood safety switch wiring underneath. Gently lift the cowl panel and tuck hood safety switch wiring under the cowl panel and into the engine compartment. Continue routing toward the main wire harness grommet in the vehicle dashwall. (FIGURE P & R)

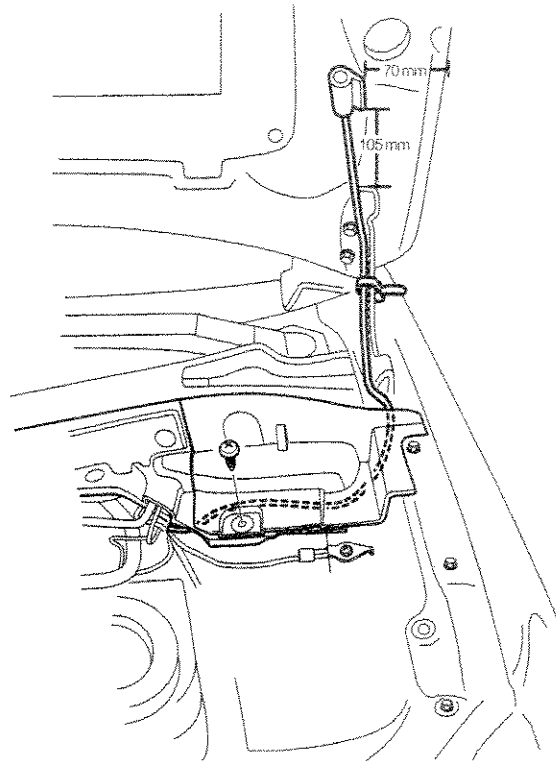


FIGURE P

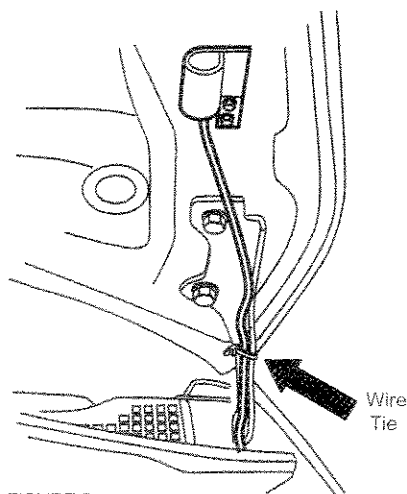


FIGURE Q

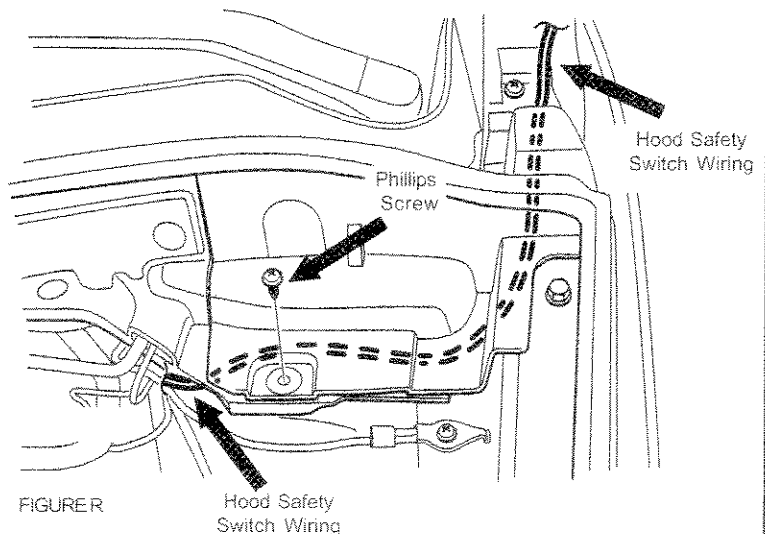


FIGURE R

5

HOOD SAFETY SWITCH MOUNTING, continued

4. Using fish wire, pull the hood safety switch wiring and WHITE/BLACK tach wire from the remote start harness through the main wire harness grommet:
 - a. From inside of the vehicle, bend approximately three (3) inches of tach wire at wire end.
 - b. Using electrical tape, secure fish wire to tach wire as shown. (FIGURE S)
 - c. Insert the fish wire along with tach wire through the main wire harness grommet into the engine compartment. (FIGURE T & U)

⚠ CAUTION: Do not pierce the main wire harness with fish wire when pulling through main grommet.

- d. Disconnect tach wire from fish wire and pull remaining slack of tach wire from the inside of the vehicle out into the engine compartment.
 - e. Bend approximately three (3) inches of hood safety switch wiring at wire end.
 - f. Using electrical tape, secure fish wire to hood safety switch wiring as shown. (FIGURE S)
 - g. Pull fish wire and hood safety switch wiring back through main wire harness grommet into the vehicle. (FIGURE T & U)
 - h. Disconnect hood safety switch wiring from fish wire and pull remaining slack of hood safety switch wiring from the engine compartment into the vehicle.
- NOTE: Ensure the tach wire does not get pulled back into the vehicle.

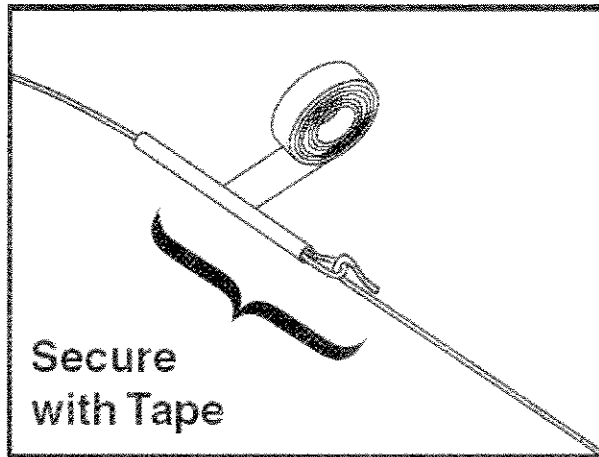


FIGURE S

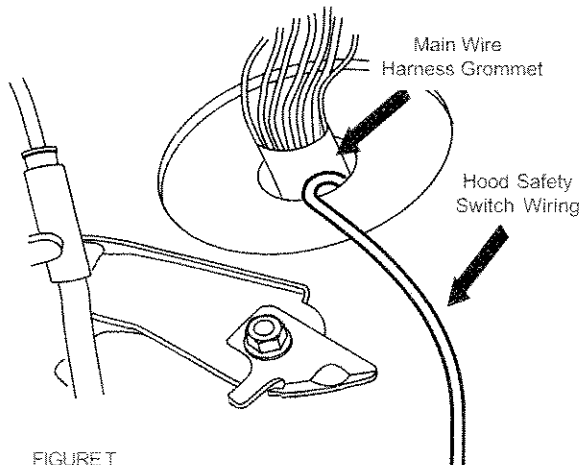


FIGURE T

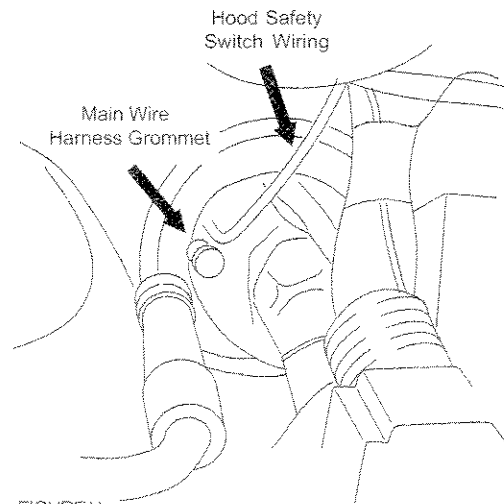


FIGURE U

6**HOOD SAFETY SWITCH WIRE CONNECTIONS**

1. Locate the BLACK and GRAY/RED wires from the remote start harness.
2. Using the (2) supplied IDC wire taps (in hood safety switch parts bag), connect the wires listed below together and crimp the IDC wire taps in place using pliers. Ensure that a complete and secure connection is made.

HOOD SAFETY SWITCH WIRE

Dark GRAY
Dark GRAY

**REMOTE START HARNESS WIRE**

GRAY/RED
BLACK

NOTE: Switch is not polarity sensitive.

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

7**GROUND CONNECTION**

1. Locate the 10 mm factory bolt, mounted high up under the dash, near the vehicle dashwall, supporting the factory "Unit - Light Auto Off" module. (FIGURE V)
2. Using a 10 mm ratchet, remove the 10 mm bolt.
3. Using the 10 mm bolt just removed, secure the remote start harness BLACK/ORANGE ground wire with ringlet and tighten with a 10 mm ratchet.

NOTE: USING A 3/8" DRIVE TORQUE WRENCH, MAKE SURE THAT THE 10 mm GROUND BOLT IS SECURELY TIGHTENED TO 78-121 INCH/POUNDS.

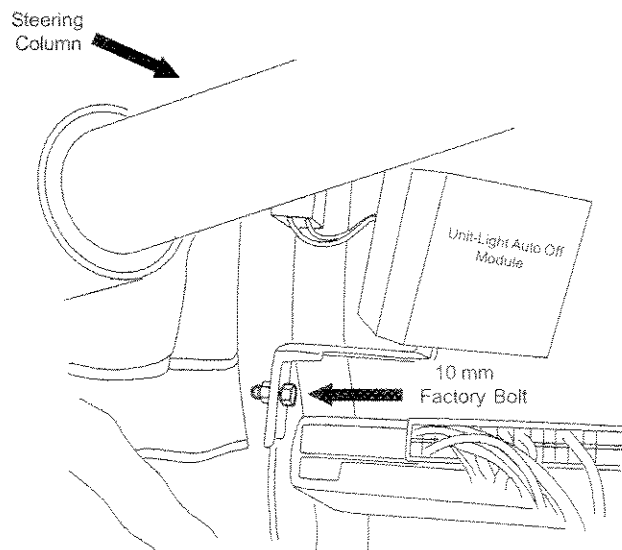


FIGURE V

8

WIRE HARNESS CONNECTIONS - STEERING COLUMN

IGNITION SWITCH CONNECTOR

1. Route the remote start ignition harness with 6-pin male and female ignition connectors over the factory harness, along the left side of the steering column. Do not secure harness at this time.

⚠ CAUTION: EXTREME CARE MUST BE TAKEN TO ROUTE THE REMOTE START HARNESS AWAY FROM THE STEERING COLUMN ADJUSTER SPRING.

2. Locate the 6-pin WHITE ignition connector, on the left side of the steering column.
3. Release the red secondary lock and disconnect the 6-pin WHITE ignition connector by pulling outward. (⚠ CAUTION: DO NOT PULL ON WIRES TO DISCONNECT CONNECTOR.)
4. Plug the 6-pin female remote start harness connector into the factory ignition switch and engage the red secondary lock. (FIGURE W)
5. Plug the 6-pin male remote start harness connector into the 6-pin female factory ignition connector and engage the red secondary lock. (FIGURE W)

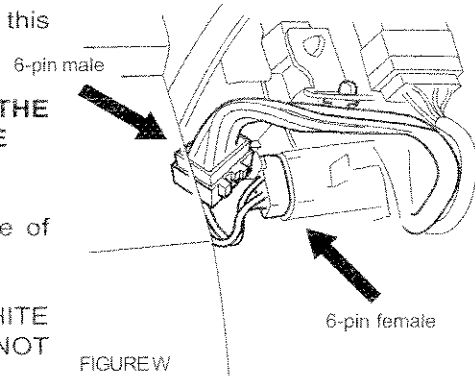


FIGURE W

PARKING LIGHT CONNECTION

1. Locate the 17-pin WHITE multifunction switch connector on the left side of the steering column (plugged into the turn signal assembly). (FIGURE X)
2. Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
3. Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE X & Y for proper connector and pin location.

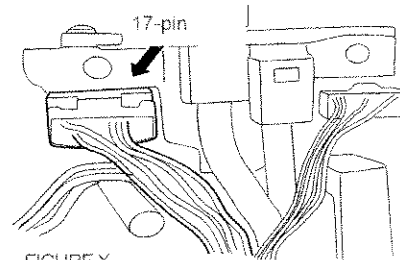


FIGURE X

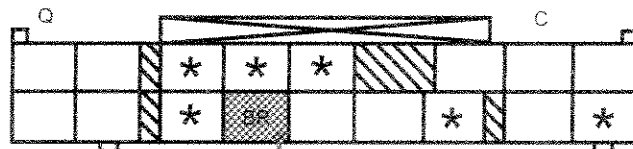


FIGURE Y

BROWN : WITH SMART KEY

VIEW FROM HARNESS SIDE

VEHICLE'S PARKING LIGHT WIRE

REMOTE START HARNESS WIRE

BROWN (RETRACTABLE KEY)



BROWN/WHITE

BROWN/WHITE (SMART-KEY)



BROWN/WHITE

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

8**WIRE HARNESS CONNECTIONS - STEERING COLUMN, continued****KEY-IN-SENSE & PUSH WIRE ROUTING**

1. Route the remote start harness YELLOW/BLUE and BROWN/BLACK wires along with the immobilizer interface ribbon cable behind the vehicle's steering column harness to protect the wires from any potential damage from the steering column cover and tilt and telescopic steering wheel mechanism. (FIGURE Z)
2. Using (2) supplied, short wire ties, secure the remote start harness wires to the vehicle's harness. (FIGURE Z)

⚠ CAUTION: EXTREME CARE MUST BE TAKEN TO ROUTE THE REMOTE START HARNESS AWAY FROM THE STEERING COLUMN ADJUSTER SPRING.

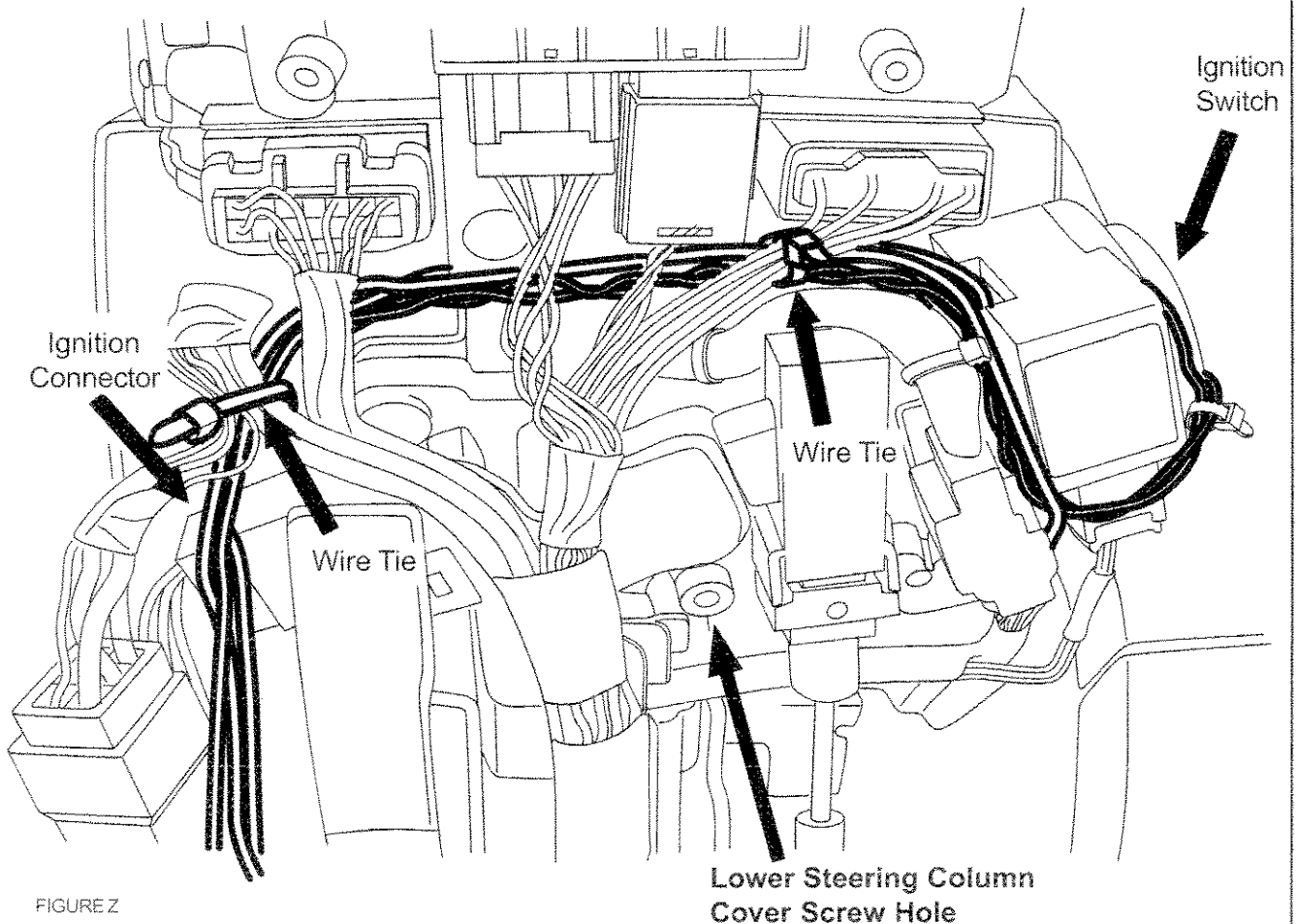


FIGURE Z

⚠ CAUTION: FAILURE TO ROUTE THE REMOTE START HARNESS WIRES PROPERLY COULD RESULT IN DAMAGE TO THE WIRES DURING RE-ASSEMBLY. IF THE YELLOW/BLUE OR BROWN/BLACK WIRES ARE SHORTED TO GROUND, THE SMART-KEY SUBSET WILL GET DAMAGED AND NEED TO BE REPLACED.

8

WIRE HARNESS CONNECTIONS - STEERING COLUMN, continued

KEY-IN-SENSE CONNECTION

1. Locate the 12-pin (Smart-Key equipped) or 2-pin (Retractable Key equipped) WHITE key-in-sense connector under the ignition switch. (FIGURE AA)
2. Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
3. Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE AA & BB for proper connector and pin location.

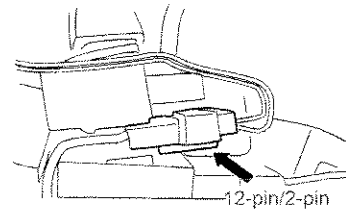
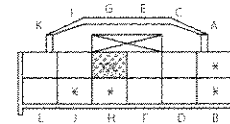


FIGURE AA



VIEW FROM HARNESS SIDE

FIGURE BB

VEHICLE'S KEY-IN-SENSE WIRE

YELLOW/BLUE



REMOTE START HARNESS WIRE

YELLOW/BLUE

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

PUSH-WIRE CONNECTION (Smart-Key equipped vehicles only)

NOTE: If performing the installation on a Retractable Key equipped vehicle, cut off the remote start harness BROWN/BLACK wire and insulate with electrical tape. (This wire is not used on this vehicle but does carry +12 volts through it during remote start operation).

1. Locate the 12-pin WHITE key-in-sense connector under the ignition switch. (FIGURE CC)
2. Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
3. Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE CC & DD for proper connector and pin location.

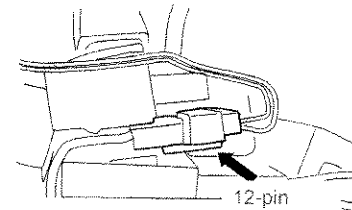
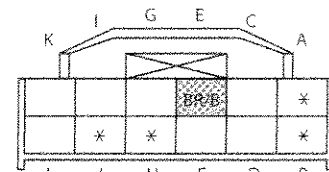


FIGURE CC



VIEW FROM HARNESS SIDE

FIGURE DD

VEHICLE'S PUSH WIRE

BROWN/BLACK



REMOTE START HARNESS WIRE

BROWN/BLACK

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

9

IMMOBILIZER INTERFACE RIBBON CABLE MOUNTING

1. Route the immobilizer interface ribbon cable to the ignition switch.
2. Following the instructions on the supplied adhesive primer stick, apply a thin coating to the outer surface of the immobilizer antenna coil (black plastic ring around ignition switch) and to the ribbon cable.

⚠ CAUTION: Avoid primer contact to visible areas of the immobilizer antenna coil and ignition switch to prevent possible discoloration of any plastic components.

3. Remove the backing from one side of the supplied 2-way tape and apply tape around the immobilizer antenna coil (black plastic ring around ignition switch) keeping the tape off of the rounded part of the ignition switch face by trimming excess 2-way tape, if necessary. (FIGURE EE & FF)
4. Remove the remaining backing on the 2-way tape and position the 2-conductor ribbon cable around the immobilizer antenna coil, with the gray or black non-conductor side facing away from the ignition key opening. (FIGURE GG, HH & JJ)
5. Separate approximately 100 mm of the twisted red or black ribbon cable and create a second loop around the immobilizer antenna coil directly in front (toward the ignition key opening) of the first loop. (FIGURE GG, II & JJ)
6. Using (1) supplied, short wire tie, secure the antenna coil. (FIGURE GG, II & JJ)

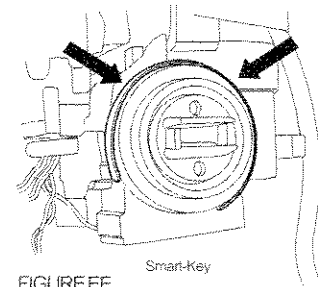


FIGURE EE

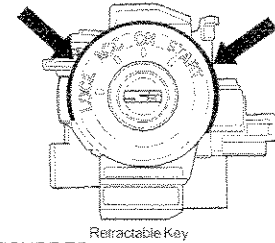


FIGURE FF

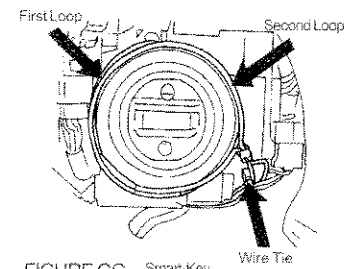


FIGURE GG

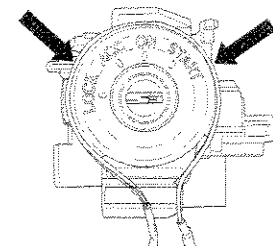


FIGURE HH

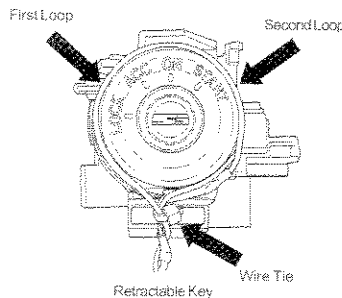


FIGURE II

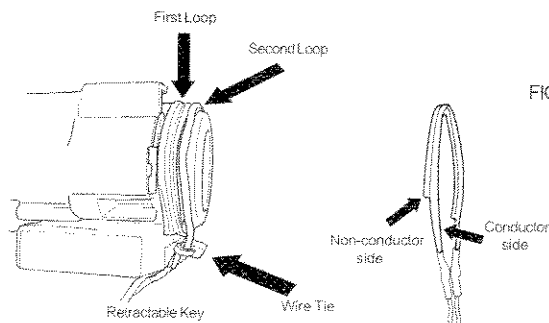


FIGURE JJ

⚠ CAUTION: THIS IS A CRITICAL STEP THAT MUST BE FOLLOWED PRECISELY FOR PROPER REMOTE START OPERATION.

10 WIRE HARNESS CONNECTIONS - SECURING

- Using (2) supplied, short wire ties, secure the remote start harness and immobilizer interface harness to the vehicle's factory ignition wire harness. (FIGURE KK)

NOTE: IT IS EXTREMELY IMPORTANT THAT THE WIRING IS SECURED IN A MANNER THAT WILL ALLOW THE TILT AND TELESCOPIC STEERING WHEEL TO MOVE FREELY AND STILL ALLOW FOR REASSEMBLY OF THE STEERING COLUMN SHROUD. CHECK FUNCTIONALITY OF THE TILT STEERING WHEEL PRIOR TO REASSEMBLY.

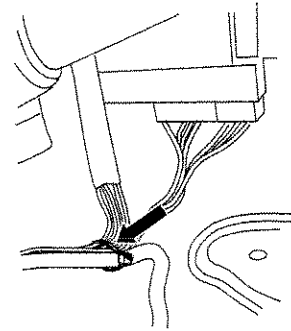


FIGURE KK

11 WIRE HARNESS CONNECTIONS - BRAKE SWITCH

BRAKE SWITCH CONNECTION

- Locate the 4-pin WHITE brake switch connector at the top of the brake pedal. (FIGURE LL)
- Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
- Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE LL & MM for proper connector and pin location.

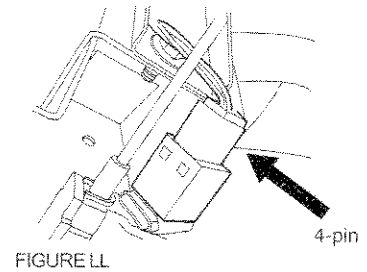
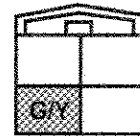


FIGURE LL



VIEW FROM HARNESS SIDE

FIGURE MM

VEHICLE'S BRAKE WIRE

GREEN/YELLOW



REMOTE START HARNESS WIRE

GREEN/YELLOW

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

12 WIRE HARNESS CONNECTIONS - DRIVER'S KICK PANEL

HORN CONNECTION

- Locate the 30-pin WHITE connector at the Body Control Module mounted in the left kick panel area. (FIGURE NN)
- Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
- Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE NN & OO for proper connector and pin location.

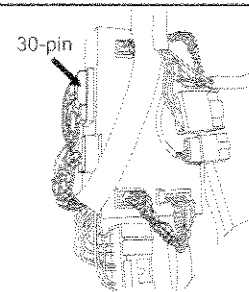


FIGURE NN

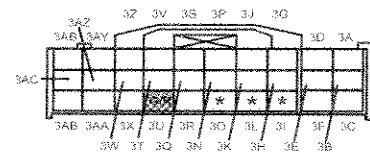


FIGURE OO VIEW FROM HARNESS SIDE

VEHICLE'S HORN WIRE

GREEN/RED



REMOTE START HARNESS WIRE

GREEN/RED

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

12

WIRE HARNESS CONNECTIONS - DRIVER'S KICK PANEL, continued

DOME LIGHT CONNECTION

1. Locate the 6-pin WHITE connector at the Body Control Module mounted in the left kick panel area. (FIGURE PP)
2. Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
3. Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE PP & QQ for proper connector and pin location.

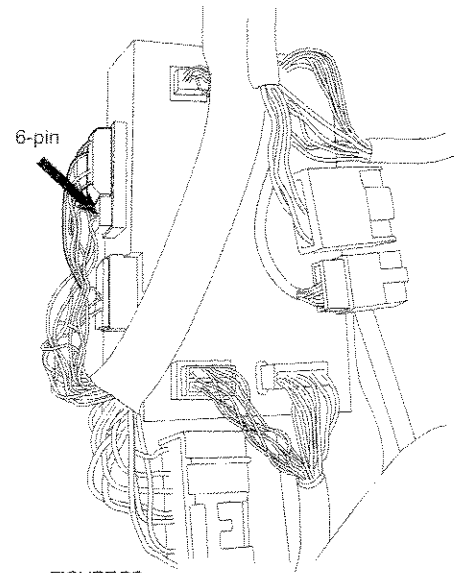
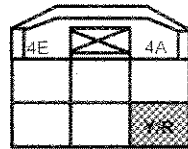


FIGURE PP



VIEW FROM HARNESS SIDE

FIGURE QQ

VEHICLE'S DOME LIGHT WIRE

YELLOW/RED



REMOTE START HARNESS WIRE

YELLOW/RED

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

DOOR LOCK CONNECTION

1. Locate the 30-pin WHITE connector at the Body Control Module mounted in the left kick panel area. (FIGURE RR)
2. Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
3. Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Refer to FIGURE RR & SS for proper connector and pin location.

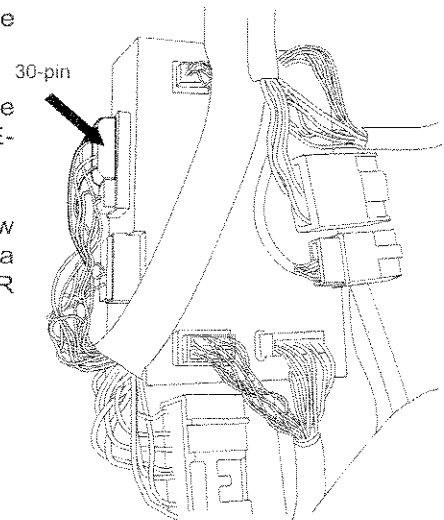
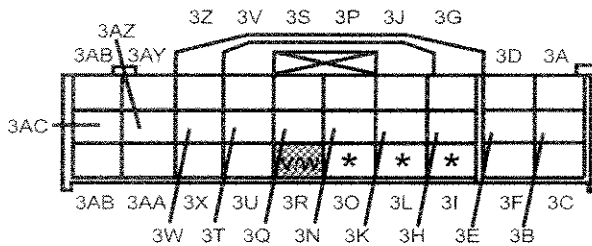


FIGURE RR



VIEW FROM HARNESS SIDE

FIGURE SS

VEHICLE'S DOOR LOCK WIRE

VIOLET/WHITE



REMOTE START HARNESS WIRE

VIOLET/WHITE

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

13

WIRE HARNESS CONNECTIONS - ENGINE COMPARTMENT

TACHOMETER CONNECTION

1. Locate the upper 66-pin BLACK (2007 - 2010 Models) or the middle 70-pin BLACK (2011 Models) connector at the Powertrain Control Module mounted to the backside of the driver's side strut tower in the engine compartment. (FIGURE TT)
2. Using a razor knife carefully cut back 1"-2" of the electrical tape to expose the wiring. (⚠ CAUTION: BE EXTREMELY CAREFUL NOT TO DAMAGE ANY OF THE WIRES.)
3. Using (1) supplied IDC wire tap, connect the wires listed below and crimp the IDC wire tap in place using pliers. Ensure that a complete and secure connection is made. Apply silicone to both ends of IDC wire tap to seal the connections from potential moisture. Using (1) supplied, short wire tie, secure the remote start harness wire to the vehicle wire harness. Refer to FIGURE TT & UU for proper connector and pin location.

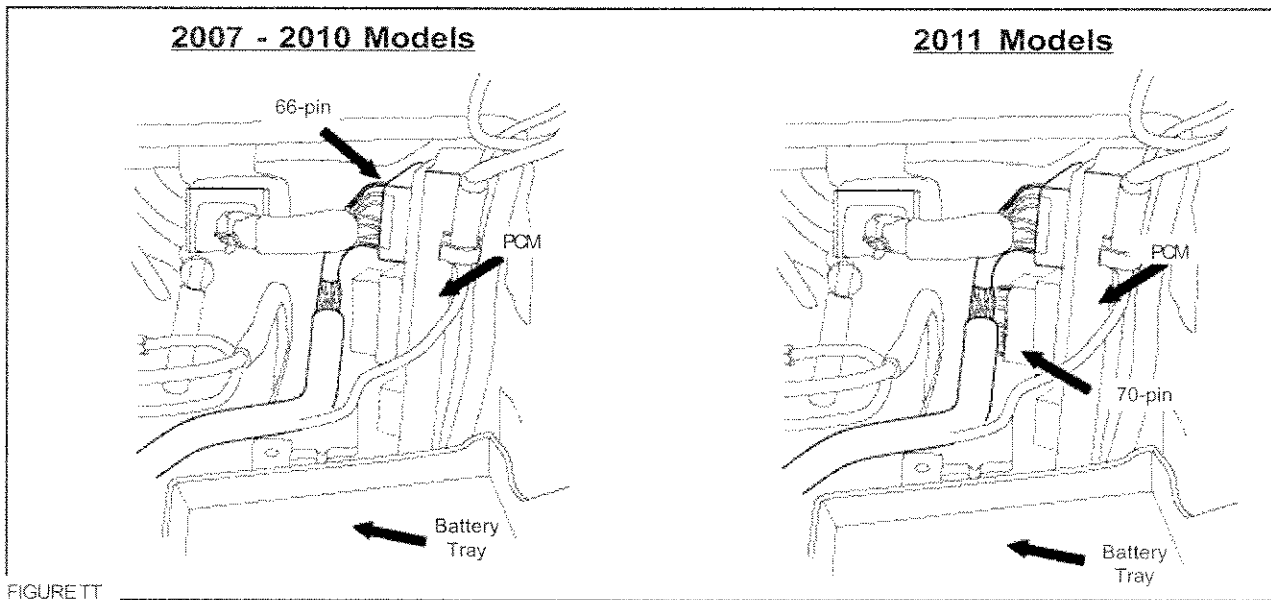


FIGURE TT

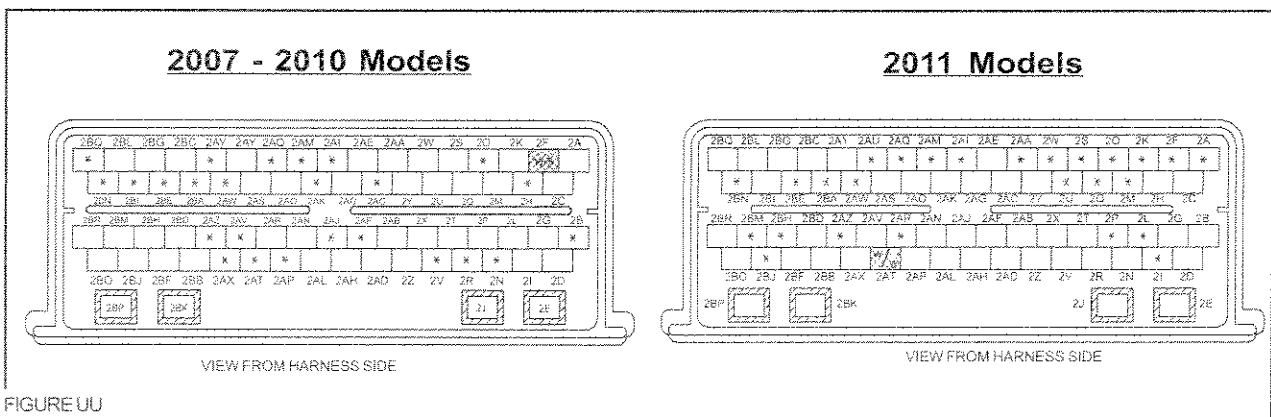


FIGURE UU

VEHICLE'S TACHOMETER WIRE

WHITE/BLACK



REMOTE START HARNESS WIRE

WHITE/BLACK

NOTE: Refer to Page 2 for IDC Wire Tap Procedure and Wire color code information.

14

EMERGENCY OVERRIDE/PROGRAMMING BUTTON MOUNTING

1. Locate the previously removed driver's side kick panel cover.
2. Drill a 9/32" hole at the top of the panel, exactly 12 mm down and 95 mm from the far edge.
3. Route the emergency override/programming button from the remote start harness down to the kick panel.
4. Mount the emergency override/programming button in the drilled hole from behind and screw the mounting cap in place. (FIGURE VV)

NOTE: DISCARD THE LOCK WASHER FROM THE EMERGENCY OVERRIDE/PROGRAMMING BUTTON, IT IS NOT USED ON THIS MODEL.

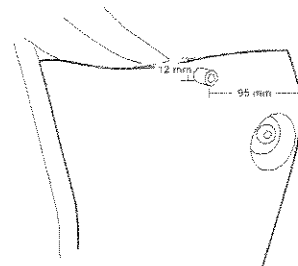


FIGURE VV

15

RE-ASSEMBLY

1. Re-install the following components:
 - a. Plug the ignition key light back into the lower steering column cover (Retractable Key equipped vehicles only) and carefully snap the steering column cover halves back together. (FIGURE WW)
 - b. Re-install the (3) phillips head screws. Verify operation of the tilt steering wheel.

CAUTION: Do not pierce the remote start wiring with the steering column cover halves or phillips head screws during reassembly.

- c. Replace the ignition knob by pushing toward the ignition switch until it snaps in place. (Smart-Key equipped vehicles only)
- d. Re-install the black, lower dash panel by engaging the single clip located at the front, center of the panel. Re-install both plastic fasteners and push the plastic center button down until flush with fastener to engage. (FIGURE XX)
- e. Re-install the driver's side kick panel by engaging the retaining clip on the panel. Re-install the plastic nut and rubber weatherstrip on the kick panel. (FIGURE YY)

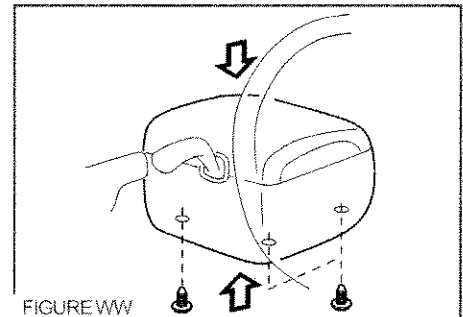


FIGURE WW

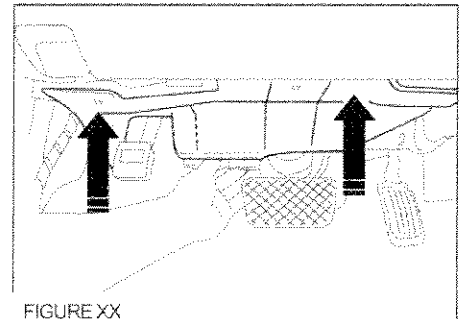


FIGURE XX

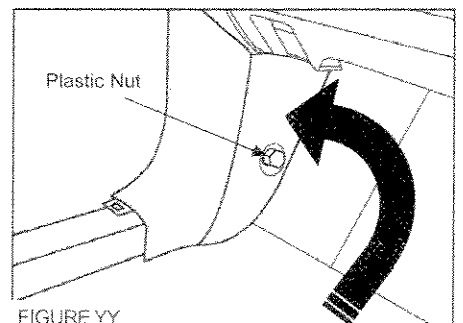


FIGURE YY

15

RE-ASSEMBLY, continued

- f. Re-install the driver's side scuff plate by engaging all three clips. (FIGURE ZZ)

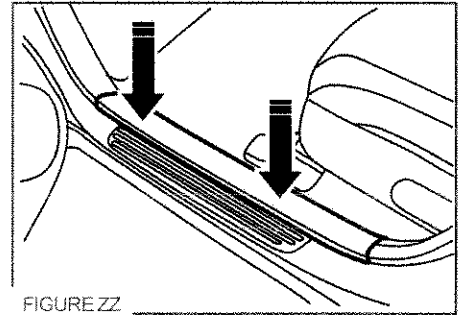


FIGURE ZZ

2. Re-install and Reconnect Battery:

- a. Carefully re-install battery into vehicle's battery tray.
- b. Re-install battery hold-down bracket by engaging lower retainers into battery tray, away from vehicle dashwall and tightening both 10 mm nuts to 78-121 inch/pounds. (FIGURE AAA)
- c. Reconnect the positive battery terminal only, at this time. (FIGURE AAA)

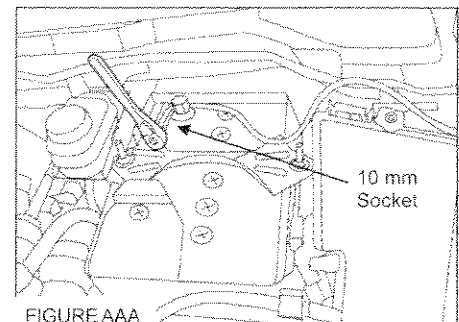


FIGURE AAA

16

SYSTEM POWER-UP

1. Verify that all connections are secure as per installation instructions.
2. Ensure 15 amp Room fuse is properly installed in dash fuse panel.
3. Turn the ignition key to the RUN position.
4. Reconnect the negative battery terminal.
5. Turn the ignition key to the OFF position.

17

UNDERHOOD WARNING LABEL MOUNTING

1. Open the engine hood and locate the open area on the plastic core support cover, above the hood latch. (FIGURE BBB)
2. Using an alcohol pad, clean the mounting surface thoroughly.
3. Remove the backing on the underhood sticker and mount in place.
4. Close engine hood.

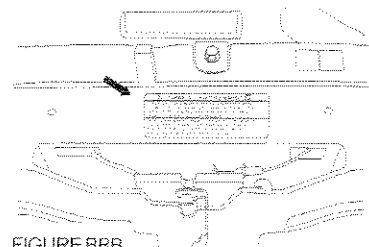


FIGURE BBB

18 TACHOMETER PROGRAMMING

1. Tachometer Programming - Make sure engine hood is closed!
 - a. Turn the ignition key to the RUN position.
 - b. Press and hold the programming button.
 - c. Release the programming button.
 - d. Press and release the programming button a second time.
 - e. Press and release the brake pedal.
 - f. Start the vehicle with the ignition key and let engine warm up to a normal idle rate. (Less than 1000 RPMs)
 - g. Once the vehicle's engine has warmed up, press and release the programming button.
 - h. Turn the ignition key to the OFF position.

19 IMMOBILIZER INTERFACE PROGRAMMING

NOTE: THE TACHOMETER SIGNAL MUST BE PROGRAMMED TO THE DNA CARD FOR THE REMOTE ENGINE START FUNCTION TO OPERATE. (READ ENTIRE PROGRAMMING PROCEDURE PRIOR TO PROGRAMMING.)

1. Transponder interface programming:

NOTE: Two programmed ignition keys are required for this step and engine hood must be closed. For Smart-Key equipped vehicles, remove keys from Smart-Key transmitters and place transmitters at least 10 feet away from vehicle during programming.

- a. Sitting in the driver seat, be prepared to press the brake pedal to shut down the remote start system.
- b. Using the first key, turn the ignition on, wait for the THEFT light to turn off, then turn the ignition off and remove key from the ignition switch.
- c. Using the second key within 5 seconds, turn the ignition on, wait for the THEFT light to turn off, then turn the ignition off and remove key from the ignition switch.
- d. Activate the remote start function by pressing the START button (2) times within 5 seconds.

The system should flash the parking lights and chirp the horn one time, pause for four seconds and start the engine. If the engine fails to start and the THEFT light is flashing rapidly, see Troubleshooting Guide (Section 22).

- e. After the engine has started, press the brake pedal to shut down the engine. The Immobilizer interface is now programmed.
- f. Attach new Remote Engine Start transmitters to the keys.

20 TRANSMITTER PROGRAMMING

NOTE: THE FOLLOWING STEPS ARE ONLY NECESSARY IF YOU NEED TO PROGRAM ADDITIONAL TRANSMITTERS.

1. Transmitter Programming

NOTE: The transmitters shipped with the remote engine start system are pre-programmed to the DNA card and do not need to be reprogrammed.

- a. Turn the ignition key to the RUN position.
- b. Press and hold the programming button.

After 10 seconds the horn will beep 3 times, indicating that the system is now in transmitter learn mode.

- c. Release the programming button.
- d. Press the START button once on each transmitter to be programmed.

The horn will beep 1 time to indicate that the transmitter has been learned.

NOTE: Up to a total of 8 transmitters can be programmed to the DNA card.

21 FUNCTION TEST

Car Find

1. Press and hold START button - Horn should beep six times and parking lights should flash six times.

Remote Engine Start Functions

1. REMOTE ENGINE START - Make sure the key is removed from the ignition switch and the engine hood is closed. Press the START button twice within 3 seconds. The parking lights should flash one time, the horn should beep once, then the vehicle should crank and start. Once started, the parking lights will turn on and stay on signifying the vehicle is running.
2. UNLOCK DOORS - While the vehicle is running on the remote engine start, press the START button once to unlock all doors. Doors will lock 30 seconds after unlocking doors with START button unless a door is opened. If any door is opened, the doors will not relock. The factory transmitters will not function normally during remote engine start operation.
3. BRAKE PEDAL SAFETY - Start the vehicle using the remote engine start. Enter the vehicle and press the brake pedal. The vehicle should shut off.
4. KEY-IN-SENSE - Insert the ignition key into the ignition switch but keep in the OFF position. Activate the remote engine start. The vehicle should flash the lights once as if it is going to start, but then the horn should beep twice and the remote engine start does not attempt to start the vehicle since it senses the key in the ignition.
5. HOOD SAFETY SWITCH - Open the engine hood and activate the remote engine start. The horn should beep two additional times signifying that hood safety switch is activated and the vehicle will not start. (Reference section 24 if adjustment is needed.)

NOTE: IF ANY OF THE ABOVE FUNCTIONS DO NOT PERFORM AS DIRECTED, SEE TROUBLESHOOTING GUIDE (SECTION 22).

FUNCTIONAL TESTING IS NOW COMPLETE.

1. Horn honks 4 times & vehicle does not remote start - No tachometer signal learned to DNA card.
 - a. Ensure good connection and correct vehicle wire at PCM in engine compartment (See Section 13).
 - b. Re-program tachometer signal (See Section 18).

2. Starter cranks too long during remote start operation.
 - a. Re-program tachometer signal (See Section 18) and allow engine to warm up to a normal idle rate (Less than 1000 RPMs).

3. Ignition turns on, then horn honks 2 times & vehicle does not remote start - Key-in-sense circuit activated.
 - a. Remove ignition key from ignition cylinder.
 - b. Ensure good connection and correct vehicle wire at Key-in-sense connector (See Section 8).

4. Horn honks 2 times & vehicle does not remote start - Safety input activated.
 - a. Ensure hood is closed and hood switch is adjusted properly (See Section 24).
 - b. Ensure brake pedal is not depressed.
 - c. Ensure good connection and correct vehicle wire at Brake switch (See Section 11).

5. Horn honks 3 times & vehicle does not remote start - Service/Valet Mode engaged.
 - a. Disengage Service/Valet Mode (Refer to page 5 in Owner's Manual).

6. Ignition turns on, Theft indicator is flashing & vehicle does not remote start - Immobilizer Interface issue.
 - a. Ensure 4-pin connector is engaged into the remote start control module properly (See Section 2).
 - b. Ensure Immobilizer Interface Ribbon Cable is installed properly (See Section 8 & 9).
 - c. Double-wrap the Immobilizer Interface Ribbon Cable to create two loops around the immobilizer antenna coil (See Section 9).
 - d. Re-program immobilizer interface (See Section 19).


7. Vehicle does not remote start unless Smart-Key transmitters are in or near the vehicle.
 - a. Re-program immobilizer interface using valet keys and place Smart-Key transmitters at least 10 feet away from vehicle (See Section 19).

8. Unlock feature does not operate properly during remote start operation.
 - a. Ensure good connection and correct vehicle wire at Body Control Module (See Section 12).


22**TROUBLESHOOTING GUIDE, continued**

9. Vehicle's Perimeter Alarm sounds during remote start operation.
 - a. Ensure remote start dome light fuse is placed in the (+) positive position (See Section 2).
 - b. Ensure the Yellow/Blue remote start wire is routed properly and is not cut or shorted on any vehicle components (See Section 8).
 - c. Ensure good connection and correct vehicle wire at Key-in-sense connector (See Section 8).

23**FINALIZING THE INSTALLATION**

1. NOTE: After reassembling the vehicle parts, check for any dirt. Clean any dirty parts.
2. NOTE: After completing the installation, refer to the vehicle Owner's Manual for instructions on how to reset the clock and preset radio stations.
3.  CAUTION: Disconnecting the battery may cause the DSC indicator light to become inoperable. (The DSC OFF indicator light flashes and the TCS/DSC indicator light is illuminated.)

Perform the following procedure to restore the DSC to an operable condition, if applicable:

- a. Start the vehicle with the key.
 - b. Turn the steering wheel completely to the right and then completely to the left.
 - c. Verify that the DSC OFF indicator light turns off.
 - d. Turn the ignition switch to the OFF position and then turn it to the ON position again.
 - e. Verify that the TCS/DSC indicator light turns off.
4.  CAUTION: When the battery is disconnected, the windows will not fully open and close automatically.

Perform the following procedure to the driver and passenger front windows to resume operation:

- a. Turn the ignition switch to the RUN position.
- b. Press down the window switch on the front passenger's side door panel and fully open the window.
- c. Pull up the window switch on the front passenger's side door panel and continue holding for approximately 3 seconds to fully close the window.
- d. Press down both front window switches on the driver's door panel and fully open the windows.
- e. Pull up both front window switches on the driver's door panel and continue holding for approximately 3 seconds to fully close the windows.
- f. Turn the ignition switch to the OFF position.

24 HOOD SAFETY SWITCH ADJUSTMENT

The hood safety switch will need to be adjusted to shut down the vehicle when the engine hood is raised to the full upright position.

1. Raise and prop the vehicle's engine hood.
2. The hood switch cylinder should be bend away from the hood to approximately 15 degrees above parallel with the ground. (FIGURE CCC)
3. After the adjustment has been made, verify that remote engine start does not engage when the vehicle's engine hood is open.
4. If the remote engine start engages with the engine hood in the full upright position, the switch will need to be bent closer to the engine hood.

NOTE: IT IS VERY IMPORTANT TO VERIFY THAT THE HOOD SAFETY SWITCH PREVENTS THE REMOTE ENGINE START SYSTEM FROM ENGAGING WHEN THE VEHICLE'S ENGINE HOOD IS IN THE FULL UPRIGHT POSITION

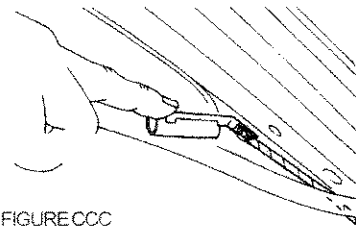
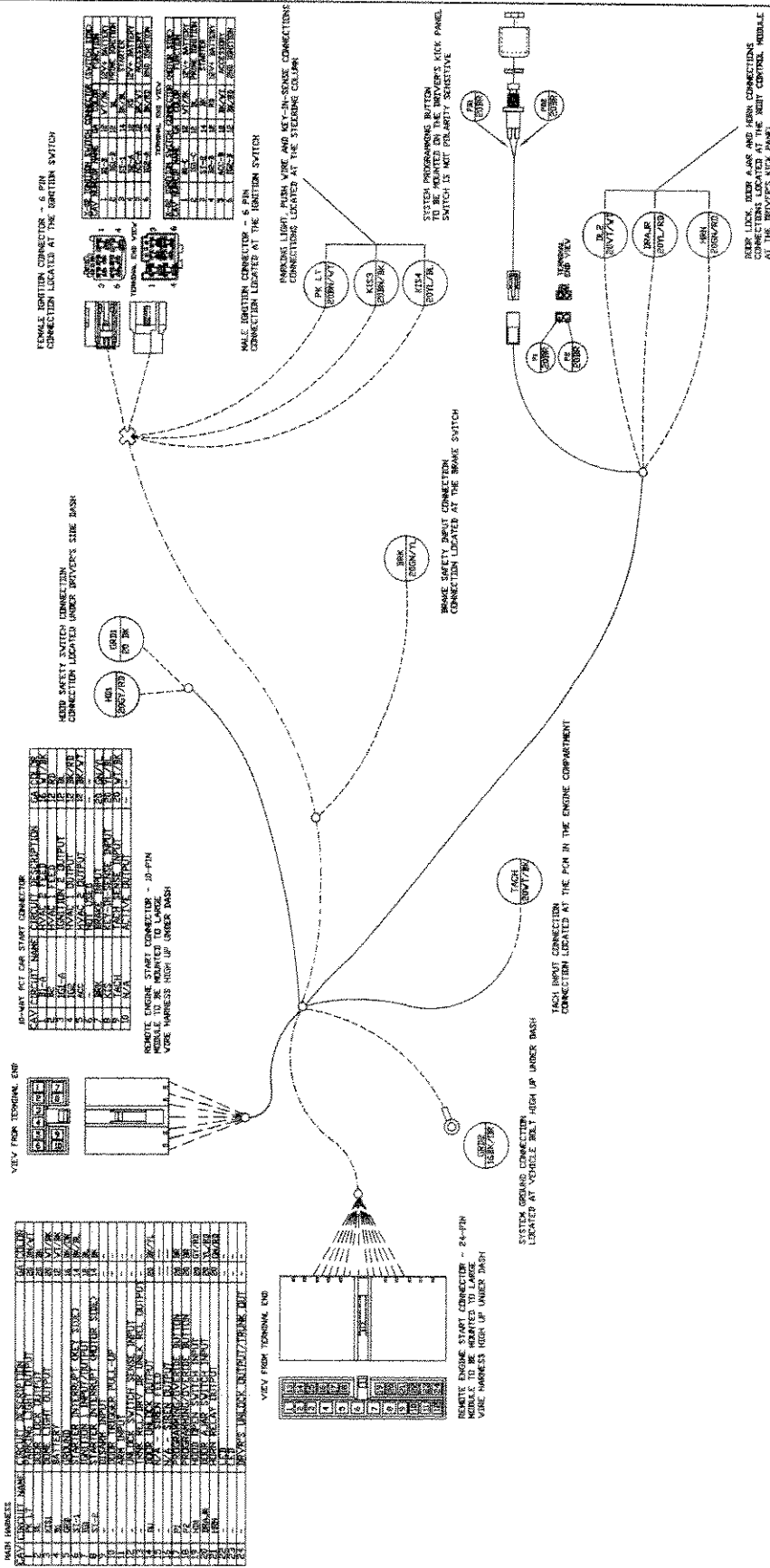


FIGURE CCC

25 SERVICE PART NUMBER LIST

Part Number	Description
0000-8F-H03	Hood Safety Switch Kit Service Part
0000-8F-H05A	Mazda Immobilizer Interface Service Part
0000-8F-M21	Mazda CX-7/CX-9 DNA Card Software Service Part
0000-8F-N18A	Mazda CX-9 Remote Start Wire Harness Service Part
0000-8F-Z01	Remote Start Control Module Service Part
0000-8F-Z02	Mazda 1-Button Remote Start Transmitter Service Part
0000-8F-Z03	Emergency Override/Programming Button Service Part
0000-8F-Z10	Dipole Antenna Service Part
0000-8F-Z12	Underhood Warning Label Service Part

SYSTEM LAYOUT



VIEW FROM TERMINAL END

WIRE HARNESS	WIRE NO.	WIRE COLOR	WIRE FUNCTION
1	1	BLK	IGNITION
1	2	GRN	IGNITION
1	3	BLK	IGNITION
1	4	GRN	IGNITION
1	5	BLK	IGNITION
1	6	GRN	IGNITION
1	7	BLK	IGNITION
1	8	GRN	IGNITION
1	9	BLK	IGNITION
1	10	GRN	IGNITION
1	11	BLK	IGNITION
1	12	GRN	IGNITION
1	13	BLK	IGNITION
1	14	GRN	IGNITION
1	15	BLK	IGNITION
1	16	GRN	IGNITION
1	17	BLK	IGNITION
1	18	GRN	IGNITION
1	19	BLK	IGNITION
1	20	GRN	IGNITION
1	21	BLK	IGNITION
1	22	GRN	IGNITION
1	23	BLK	IGNITION
1	24	GRN	IGNITION

VIEW FROM TERMINAL END

WIRE HARNESS	WIRE NO.	WIRE COLOR	WIRE FUNCTION
1	1	BLK	IGNITION
1	2	GRN	IGNITION
1	3	BLK	IGNITION
1	4	GRN	IGNITION
1	5	BLK	IGNITION
1	6	GRN	IGNITION
1	7	BLK	IGNITION
1	8	GRN	IGNITION
1	9	BLK	IGNITION
1	10	GRN	IGNITION
1	11	BLK	IGNITION
1	12	GRN	IGNITION
1	13	BLK	IGNITION
1	14	GRN	IGNITION
1	15	BLK	IGNITION
1	16	GRN	IGNITION
1	17	BLK	IGNITION
1	18	GRN	IGNITION
1	19	BLK	IGNITION
1	20	GRN	IGNITION
1	21	BLK	IGNITION
1	22	GRN	IGNITION
1	23	BLK	IGNITION
1	24	GRN	IGNITION

VIEW FROM TERMINAL END

WIRE HARNESS	WIRE NO.	WIRE COLOR	WIRE FUNCTION
1	1	BLK	IGNITION
1	2	GRN	IGNITION
1	3	BLK	IGNITION
1	4	GRN	IGNITION
1	5	BLK	IGNITION
1	6	GRN	IGNITION
1	7	BLK	IGNITION
1	8	GRN	IGNITION
1	9	BLK	IGNITION
1	10	GRN	IGNITION
1	11	BLK	IGNITION
1	12	GRN	IGNITION
1	13	BLK	IGNITION
1	14	GRN	IGNITION
1	15	BLK	IGNITION
1	16	GRN	IGNITION
1	17	BLK	IGNITION
1	18	GRN	IGNITION
1	19	BLK	IGNITION
1	20	GRN	IGNITION
1	21	BLK	IGNITION
1	22	GRN	IGNITION
1	23	BLK	IGNITION
1	24	GRN	IGNITION

VIEW FROM TERMINAL END

WIRE HARNESS	WIRE NO.	WIRE COLOR	WIRE FUNCTION
1	1	BLK	IGNITION
1	2	GRN	IGNITION
1	3	BLK	IGNITION
1	4	GRN	IGNITION
1	5	BLK	IGNITION
1	6	GRN	IGNITION
1	7	BLK	IGNITION
1	8	GRN	IGNITION
1	9	BLK	IGNITION
1	10	GRN	IGNITION
1	11	BLK	IGNITION
1	12	GRN	IGNITION
1	13	BLK	IGNITION
1	14	GRN	IGNITION
1	15	BLK	IGNITION
1	16	GRN	IGNITION
1	17	BLK	IGNITION
1	18	GRN	IGNITION
1	19	BLK	IGNITION
1	20	GRN	IGNITION
1	21	BLK	IGNITION
1	22	GRN	IGNITION
1	23	BLK	IGNITION
1	24	GRN	IGNITION

- NOTES:
1. PLACEMENT OF SLEEVES NOT CRITICAL.
 2. TAPE WRAPPED OR SLEEVE COVERED WIRE
 3. UNWRAPPED WIRE
 4. ... WRAPPED WITH ALUMINUM FOL TAPE THEN WRAPPED WITH TAPE OR SLEEVE

FINAL INSPECTION

- Inspect the installed / reinstalled parts for the following items:

Inspection Parts	Inspection Items (○)			
	Clearance / Fit	Scratches / Dirt / Harness Interference	Installation / Tightening / Engagement	Operation Check
Negative battery terminal and battery hold downs			○	
Driver-side scuff plate	○	○	○	
Driver-side door seal	○		○	
Driver-side kick plate	○	○	○	
Driver-side A-pillar trim	○	○	○	
Driver-side lower dash panel	○	○	○	
Steering column cover	○	○	○	
Programming button installed	○	○	○	○
Remote Engine Start features:				
- car find				*1 ○
- remote start/stop				*2 ○
- unlock all doors				*3 ○
- brake pedal safety				*4 ○
- key-in-sense safety				*5 ○
- hood switch safety				*6 ○
User Guide and transmitters			*7 ○	

○: Applicable

*1: Horn beeps and parking lights flash six times.

*2: Vehicle remote starts successfully (no dash warning lights) and vehicle shuts off with Smart-Keys at least 10 feet away from the vehicle, if equipped.

*3: All doors unlock during remote start operation.

*4: Pressing brake pedal shuts off remote start operation.

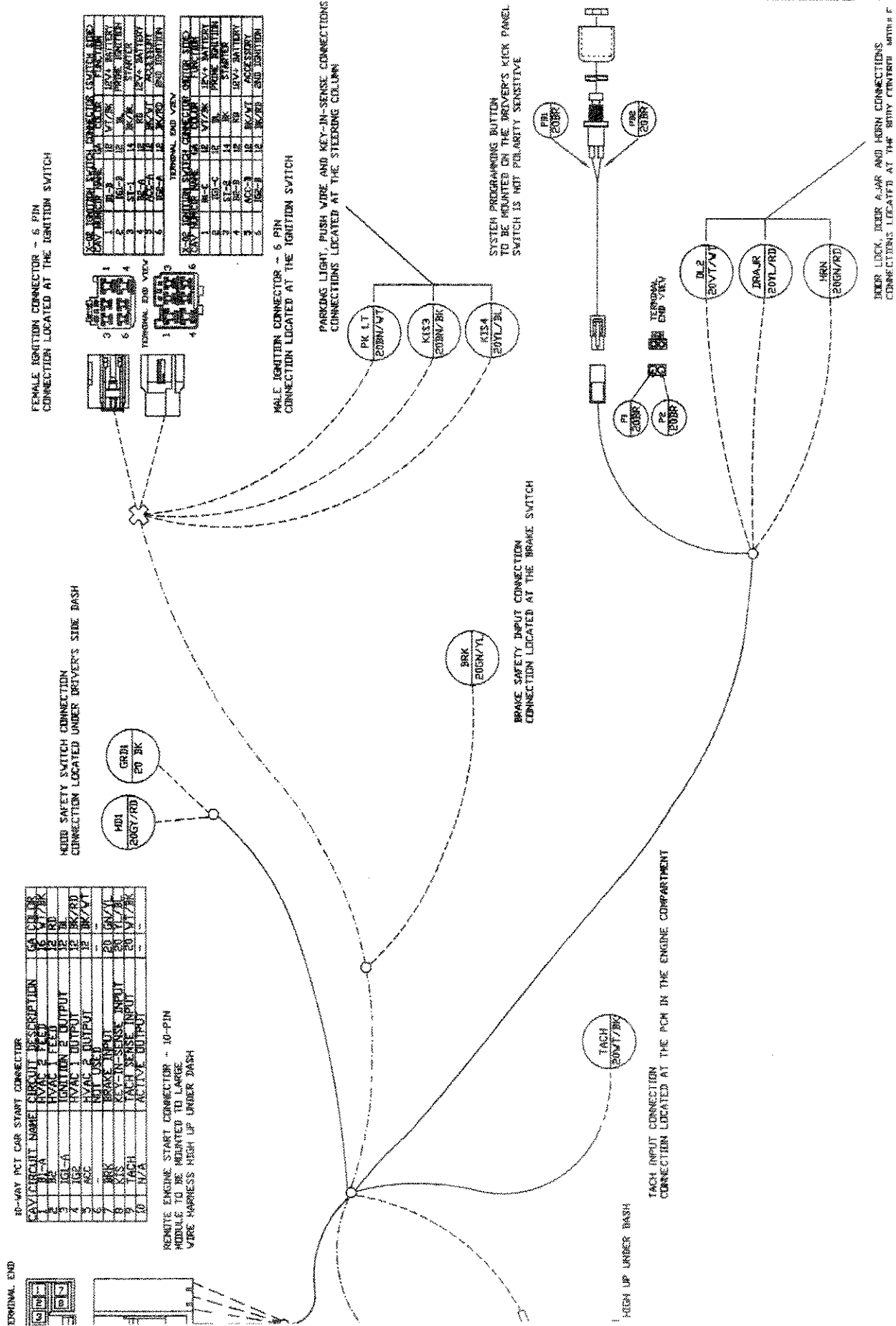
*5: With key in ignition, vehicle will not remote start, horn beeps twice.

*6: With engine hood raised, vehicle will not remote start, horn beeps twice.

*7: In vehicle glove box (Port installations only).

Date: / /					
Vehicle:					
VIN:					
Approved		Checked		Person in charge	

SYSTEM LAYOUT



HOOD LATCH, REAR & HORN AND HORN CONNECTIONS
 CONNECTIONS LOCATED AT THE BODY (CRUISED) WIRE HARNESS

SYSTEM I

MAIN HARNESS

CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA	COLOR
1	PK LT	20	BR/VT
2	DL	20	BR
3	KSL	20	VT/BR
4	B1	12	VT/BR
5	GRD	12	BR/BR
6	ST-A	14	BR/BR
7	IR	12	BR
8	ST-B	14	BR
9	BNSRF	1	---
10	DRK TRIGGER PULL-UP	---	---
11	ARM INPUT	---	---
12	UNLOCK SWITCH SENSE INPUT	---	---
13	TRNK REL/BRV BR UNLK REL OUTPUT	---	---
14	DRK UNLK REL OUTPUT	20	BR/YL
15	N/A - SIREN FEED	---	---
16	N/A - SIREN OUTPUT	---	---
17	P1	20	BR
18	P2	20	BR
19	HDI	20	GY/RO
20	DRK R	20	VL/BR
21	HRN	20	GN/BR
22	LED	---	---
23	LED	---	---
24	DRV'S UNLK OUTPUT/TRUNK OUT	---	---

VIEW FROM TERMINAL END

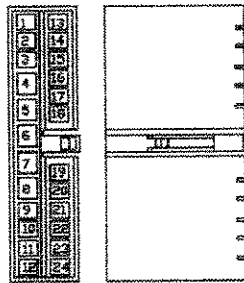


10-WAY PCM CAR START CONNECTOR

CAV/CIRCUIT NAME	CIRCUIT DESCRIPTION	GA
1	B1-A	12
2	B2	12
3	IG1-A	12
4	IG2	12
5	ACC	12
6	NOT USED	---
7	BRK	20
8	KSS	20
9	TACH	20
10	N/A	---

REMOTE ENGINE START CONNECTOR - 10-PIN
MODULE TO BE MOUNTED TO LARGE
WIRE HARNESS HIGH UP UNDER DASH

VIEW FROM TERMINAL END



REMOTE ENGINE START CONNECTOR - 24-PIN
MODULE TO BE MOUNTED TO LARGE
WIRE HARNESS HIGH UP UNDER DASH

SYSTEM GROUND CONNECTION
LOCATED AT VEHICLE BOLT HIGH UP UNDER DASH

TACH INPUT CONNECTION
CONNECTION LOCATED AT THE PCM IN THE ENGINE

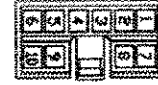
NOTE:

1. PLACEMENT OF SPLICES NOT CRITICAL
2. _____ TAPE WRAPPED OR SLEEVE COVERED WIRE
3. - - - - - UNWRAPPED WIRE
4. = DIAPER WRAP
5. _____ WRAPPED WITH ALUMINUM FOIL TAPE THEN WRAPPED WITH TAPE OR SLEEVED.

MAIN HARNESS

CAV	CIRCUIT NAME	CIRCUIT DESCRIPTION	WG	CHLDR
1	PK LT	PARKING LIGHT OUTPUT	20	BN/VT
2	DL	DOOR LOCK OUTPUT	20	BK
3	KLSL	HORN LIGHT OUTPUT	20	VT/BK
4	BL	BATTERY	12	VT/BK
5	GRD	GROUND	16	BK/DR
6	ST-1	STARTER INTERRUPT (KEY SIDE)	14	BK/BL
7	IGL	IGNITION I INPUT/OUTPUT	14	BL
8	ST-2	STARTER INTERRUPT (MOTOR SIDE)	14	BK
9	--	DISARM INPUT	--	--
10	--	DOOR TRIGGER PULL-UP	--	--
11	--	ARM INPUT	--	--
12	--	UNLOCK SWITCH SENSE INPUT	--	--
13	--	TRUNK REL/DRV BR UNLK REL OUTPUT	--	--
14	DL	DOOR UNLOCK OUTPUT	20	BK/VT
15	--	N/A - SIREN FEED	--	--
16	--	N/A - SIREN OUTPUT	--	--
17	P1	PROGRAMMING/OVERRIDE BUTTON	26	BR
18	P2	PROGRAMMING/OVERRIDE BUTTON	26	BR
19	HDI	HOOD OPEN SWITCH INPUT	20	GY/BD
20	DRAJR	DOOR AJAR SWITCH INPUT	20	YL/BD
21	HRN	HORN RELAY OUTPUT	20	GN/BR
22	--	LED	--	--
23	--	LED	--	--
24	--	DRYVR'S UNLOCK OUTPUT/TRUNK OUT	--	--

VIEW FROM TERMINAL END



10-WAY PCT CAR START I

CAV	CIRCUIT NAME	CH
1	BL-A	BL
2	BE	BY
3	IGL-A	IG
4	IGP	IG
5	ACC	BY
6	--	BL
7	--	BR
8	BK	BE
9	KTS	KE
10	TACH	TA
11	N/A	AC

REMOTE ENGINE START CONNE
MODULE TO BE MOUNTED TO L
WIRE HARNESS HIGH UP UNDE

VIEW FROM TERMINAL END



REMOTE ENGINE START CONNECTOR - 24-PIN
MODULE TO BE MOUNTED TO LARGE
WIRE HARNESS HIGH UP UNDER DASH



SYSTEM GROUND CONNECTION
LOCATED AT VEHICLE BELT HIGH UP UNDER DASH

TACH INPUT CONNEC
CONNECTION LOCATE

SYSTEM LAYOUT

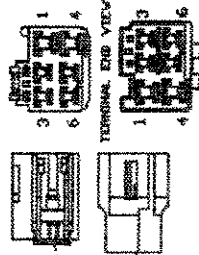
WIRING	DESCRIPTION	WIRE COLOR
1	IGNITION 1 OUTPUT	16 V1/BK
2	IGNITION 2 OUTPUT	12 BK
3	IGNITION 3 OUTPUT	12 BK/RD
4	IGNITION 4 OUTPUT	12 BK/WY
5	IGNITION 5 OUTPUT	12 BK/WY
6	IGNITION 6 OUTPUT	12 BK/WY
7	IGNITION 7 OUTPUT	12 BK/WY
8	IGNITION 8 OUTPUT	12 BK/WY
9	IGNITION 9 OUTPUT	12 BK/WY
10	IGNITION 10 OUTPUT	12 BK/WY
11	IGNITION 11 OUTPUT	12 BK/WY
12	IGNITION 12 OUTPUT	12 BK/WY
13	IGNITION 13 OUTPUT	12 BK/WY
14	IGNITION 14 OUTPUT	12 BK/WY
15	IGNITION 15 OUTPUT	12 BK/WY
16	IGNITION 16 OUTPUT	12 BK/WY
17	IGNITION 17 OUTPUT	12 BK/WY
18	IGNITION 18 OUTPUT	12 BK/WY
19	IGNITION 19 OUTPUT	12 BK/WY
20	IGNITION 20 OUTPUT	12 BK/WY
21	IGNITION 21 OUTPUT	12 BK/WY
22	IGNITION 22 OUTPUT	12 BK/WY
23	IGNITION 23 OUTPUT	12 BK/WY
24	IGNITION 24 OUTPUT	12 BK/WY
25	IGNITION 25 OUTPUT	12 BK/WY
26	IGNITION 26 OUTPUT	12 BK/WY
27	IGNITION 27 OUTPUT	12 BK/WY
28	IGNITION 28 OUTPUT	12 BK/WY
29	IGNITION 29 OUTPUT	12 BK/WY
30	IGNITION 30 OUTPUT	12 BK/WY

CONNECTOR - 10-PIN
TO LARGE
UNDER DASH

HOOD SAFETY SWITCH CONNECTION
CONNECTION LOCATED UNDER DRIVER'S SIDE DASH



FEMALE IGNITION CONNECTOR - 6 PIN
CONNECTION LOCATED AT THE IGNITION SWITCH

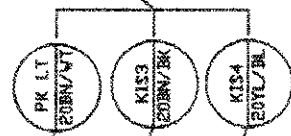


WIRING	DESCRIPTION	WIRE COLOR
1	IGNITION 1	16 V1/BK
2	IGNITION 2	12 BK
3	IGNITION 3	12 BK/RD
4	IGNITION 4	12 BK/WY
5	IGNITION 5	12 BK/WY
6	IGNITION 6	12 BK/WY

WIRING	DESCRIPTION	WIRE COLOR
1	IGNITION 1	16 V1/BK
2	IGNITION 2	12 BK
3	IGNITION 3	12 BK/RD
4	IGNITION 4	12 BK/WY
5	IGNITION 5	12 BK/WY
6	IGNITION 6	12 BK/WY

MALE IGNITION CONNECTOR - 6 PIN
CONNECTION LOCATED AT THE IGNITION SWITCH

PARKING LIGHT, PUSH WIRE AND KEY-IN-SENSE CONNECTIONS
CONNECTIONS LOCATED AT THE STEERING COLUMN



SYSTEM PROGRAMMING BUTTON
TO BE MOUNTED ON THE DRIVER'S KICK PANEL
SWITCH IS NOT POLARITY SENSITIVE

BRAKE SAFETY INPUT CONNECTION
CONNECTION LOCATED AT THE BRAKE SWITCH



CONNECTION LOCATED AT THE PCM IN THE ENGINE COMPARTMENT

