

VEHICLE PREPARATION



1. REMOVE THE NEGATIVE BATTERY CABLE BEFORE INSTALLING THE CRUISE CONTROL COMPONENTS FOR SAFETY PRECAUTIONS. **FIGURE 1.**

2. **JEEP WRANGLER** APPLICATIONS: REMOVE AIRBAG BY USING TRIM TOOL TO RELEASE (3) METAL CLIPS AS SHOWN IN **FIGURE 2.**



CAUTION: ENSURE THAT BATTERY HAS BEEN DISCONNECTED FOR MORE THAN 90 SECONDS PRIOR TO REMOVAL OF AIRBAG; FAILURE TO HEED THIS WARNING MAY RESULT IN AIRBAG DISCHARGE AND MAY CAUSE SERIOUS INJURY OR DEATH.

3. **DODGE CALIBER, JEEP COMPASS/PATRIOT** APPLICATIONS: REMOVE AIRBAG BY EXTRACTING THE (2) 10MM SCREWS AS ILLUSTRATED IN **FIGURE 2A.**

4. PRESS IN SIDES OF BOTH CONNECTORS TO REMOVE AIRBAG AS ILLUSTRATED IN **FIGURE 3.**



CAUTION: BE SURE TO STORE AIRBAG FACE UP AS ILLUSTRATED IN **FIGURE 3A** TO REDUCE INJURY IN EVENT OF ACCIDENTAL DISCHARGE OF AIRBAG.

5. **JEEP WRANGLER** APPLICATIONS: REMOVE 13MM CENTER BOLT TO TAKE OFF STEERING WHEEL, THEN SKIP TO **STEP 2** ON PAGE 4.

6. **DODGE CALIBER, JEEP COMPASS/PATRIOT** APPLICATIONS: REMOVE (3) TORX 25 SCREWS TO RELEASE CENTER BRACKET INSIDE STEERING WHEEL. **FIGURE 4**

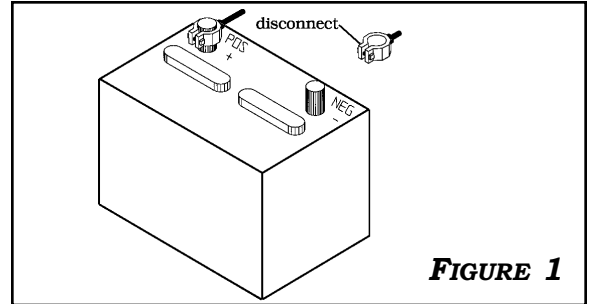
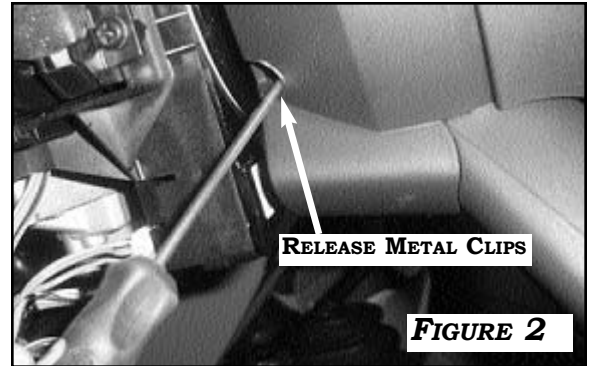
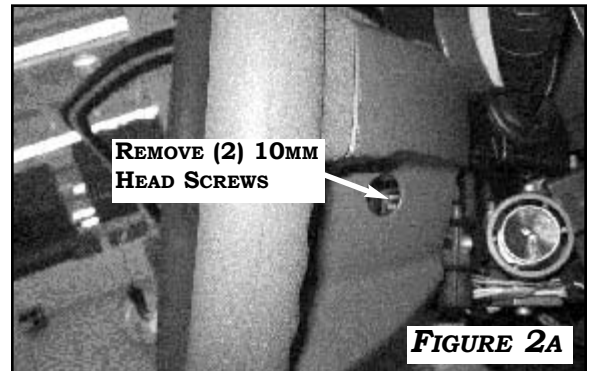


FIGURE 1



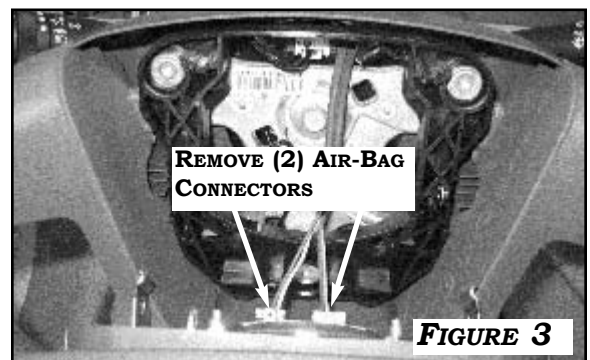
RELEASE METAL CLIPS

FIGURE 2



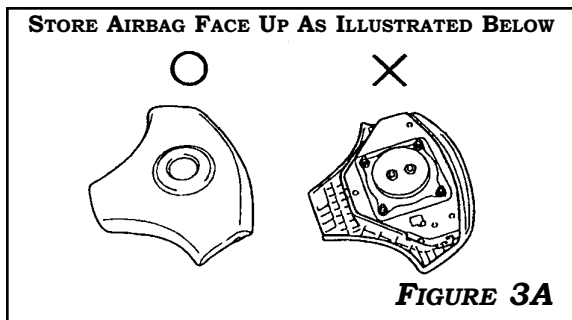
REMOVE (2) 10MM HEAD SCREWS

FIGURE 2A



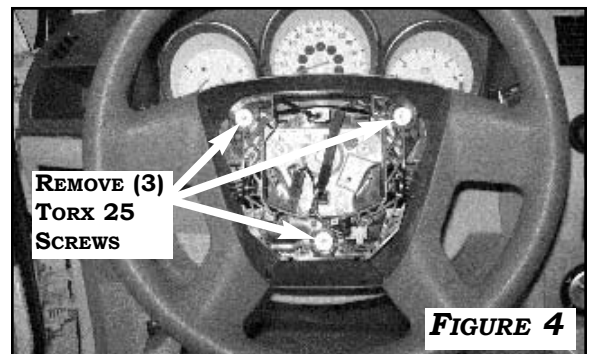
REMOVE (2) AIR-BAG CONNECTORS

FIGURE 3



STORE AIRBAG FACE UP AS ILLUSTRATED BELOW

FIGURE 3A



REMOVE (3) TORX 25 SCREWS

FIGURE 4

VEHICLE PREPARATION

(CONT.)



7. REMOVE ECM CONNECTOR FURTHEST AWAY FROM FIRE-WALL. **FIGURE 5.**

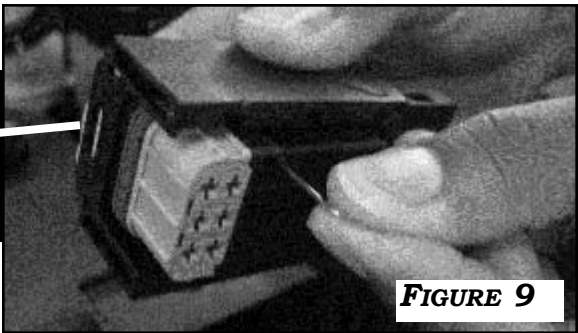
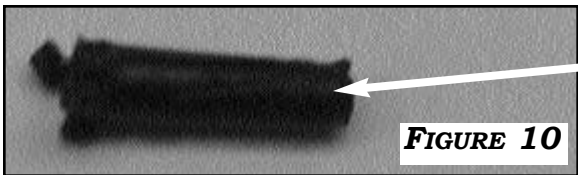
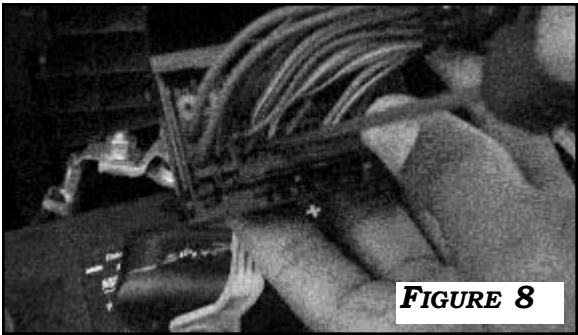
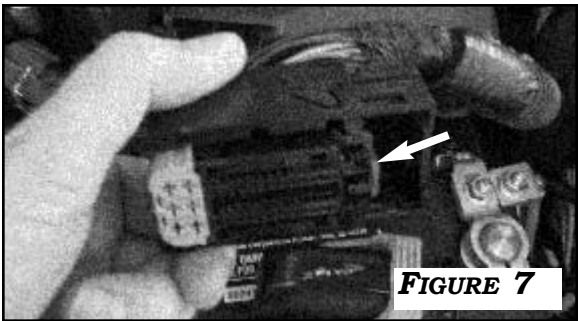
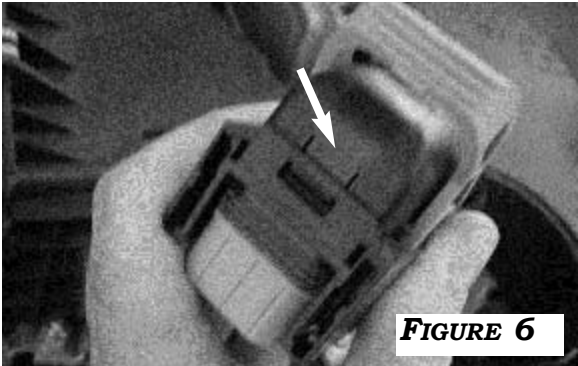
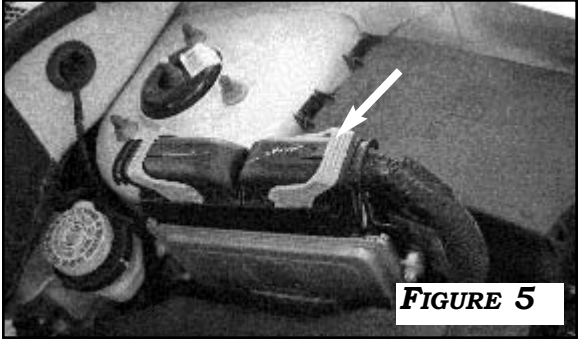
8. PRESS IN TAB TO REMOVE TOP COVER OF CONNECTOR TO ACCESS PIN LOCATIONS. **FIGURE 6.** THEN RELEASE CENTER SLOT CLIP AS SHOWN IN **FIGURE 7.**

AT THIS POINT, LOOK FOR WIRES IN PIN LOCATIONS 13, 26, AND 27. IF WIRES ARE PRESENT, THEN **THE INSTALLATION OF THE ECM HARNESS IS NOT REQUIRED.** REASSEMBLE THE CONNECTOR AND SKIP TO THE CONTROL SWITCH INSTALLATION ON PAGE 5.

9. USE PRECISION TOOL TO BREAK PLASTIC INSERT IN OPENING OF **PIN 13, 26 AND 27** OF CONNECTOR (**FIGURE 8**). THEN PUSH OUT REMAINS ON REVERSE SIDE AS SHOWN IN **FIGURES 9-10.**



CAUTION: BE SURE PLASTIC INSERT IS FULLY REMOVED BEFORE INSERTING EACH PIN. FIGURE 10.

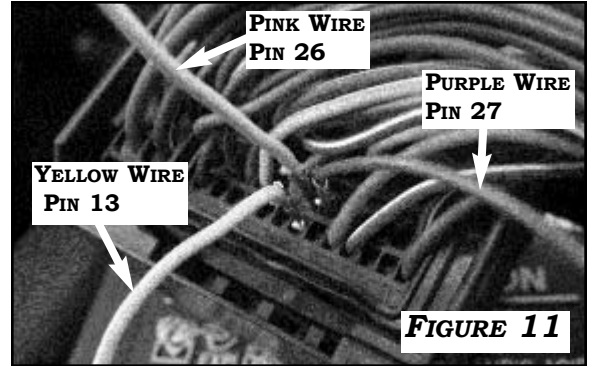


VEHICLE PREPARATION

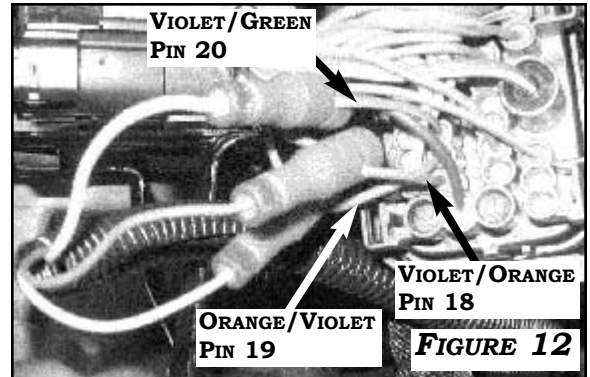
ECM HARNESS CONNECTIONS



1. INSERT **YELLOW WIRE** TO **PIN 13**, **PINK WIRE** TO **PIN 26**, AND **PURPLE WIRE** TO **PIN 27** OF CONNECTOR. REASSEMBLE CONNECTOR. BE SURE TO PLACE CONNECTOR BACK ON ECM SECURELY. **FIGURE 11**



2. ROUTE HARNESS FROM ECM DOWN TO CONNECTOR **C103**, LOCATED AT BOTTOM OF FRONT BUMPER ON DRIVER-SIDE NEAR FENDER WELL. WRAP CONVOLUTED TUBING AROUND WIRES OF HARNESS. USE THE SUPPLIED RED **POSI-TAPS** TO CONNECT THE FOLLOWING: **VIOLET/GREEN WIRE** IN **PIN 20** TO **YELLOW WIRE** OF HARNESS; **ORANGE/VIOLET WIRE** IN **PIN 19** TO **PINK WIRE** OF HARNESS; **VIOLET/ORANGE WIRE** IN **PIN 18** TO **VIOLET WIRE** OF HARNESS. SECURE HARNESS TO EXISTING VEHICLE WIRING WITH TIE STRAPS. **FIGURE 12**. IF WIRES ARE NOT PRESENT IN CONNECTOR **C103**, SEE NOTE ON PAGE 5.



INSTALLATION

CONTROL SWITCH



1. TURN STEERING WHEEL TO LEFT POSITION TO DRILL **1 1/8"** HOLE IN CENTER OF EXISTING OUTLINE FOR SWITCH LOCATION. **FIGURE 13**. CUT OUT REMAINING RIBS INSIDE STEERING WHEEL AS SHOWN IN **FIGURE 14**.
2. **JEEP WRANGLER** APPLICATIONS: USE DREMEL OR OTHER CUTTING TOOL TO TRIM OUT RIGHT SECTION OF STEERING WHEEL AS SHOWN IN **FIGURE 15**.
3. **DODGE CALIBER, JEEP COMPASS/PATRIOT** APPLICATIONS: USE DREMEL OR DEBURRING TOOL TO TRIM TO FIT CRUISE CONTROL SWITCH. **FIGURE 15A**.
4. **JEEP WRANGLER** APPLICATIONS: USE (3) **#6, T15** SCREWS PROVIDED IN HARDWARE BAG TO MOUNT CRUISE CONTROL SWITCH. **FIGURE 16 & 16A**
5. **DODGE CALIBER, JEEP COMPASS/PATRIOT** APPLICATIONS: USE (2) **#10, T25** SCREWS PROVIDED IN HARDWARE BAG TO MOUNT CRUISE CONTROL SWITCH. **FIGURE 17**
6. LOCATE WHITE 6 PIN CONNECTOR INSIDE STEERING WHEEL. INSERT CRUISE CONTROL HARNESS WIRES TO THE FOLLOWING PIN LOCATIONS IN BACK-SIDE OF CONNECTOR: **PINK WIRE TO PIN 4; YELLOW WIRE TO PIN 5; VIOLET WIRE TO PIN 6**. CONNECT BLACK 3 PIN CONNECTOR OF CRUISE CONTROL HARNESS TO CRUISE CONTROL SWITCH. **FIGURE 18**
7. REINSTALL CENTER BRACKET INSIDE STEERING WHEEL, OR COMPLETE STEERING WHEEL IF APPLICABLE.

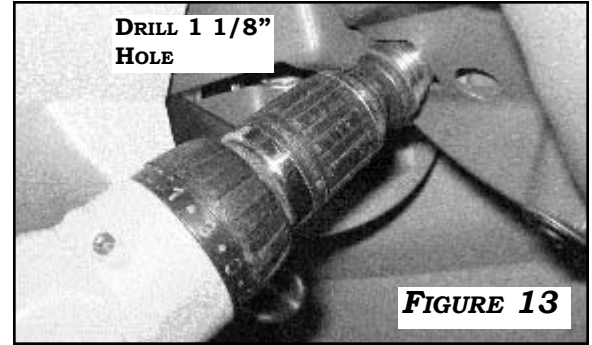


FIGURE 13

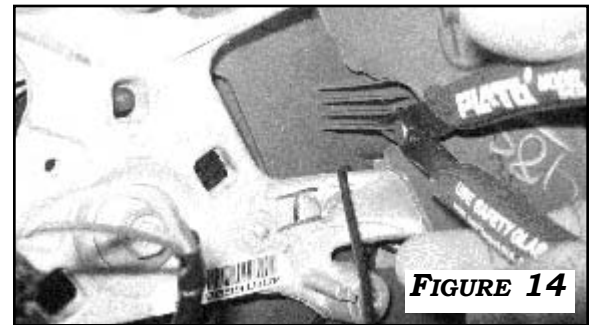


FIGURE 14

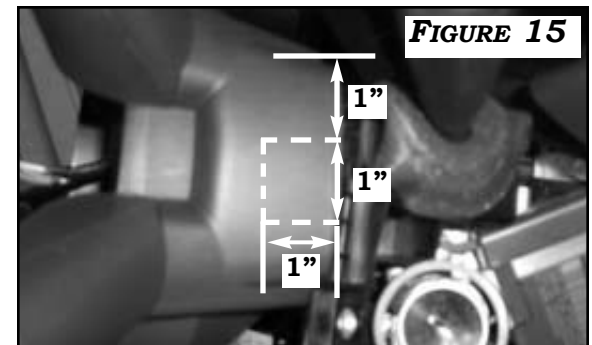


FIGURE 15

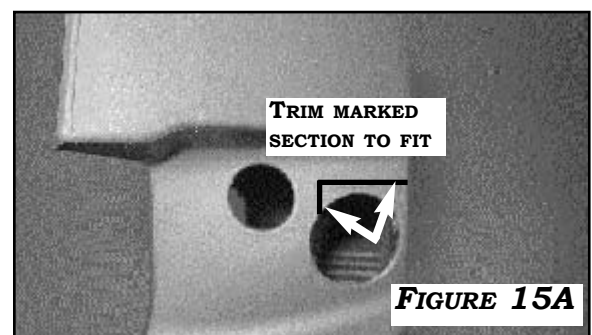
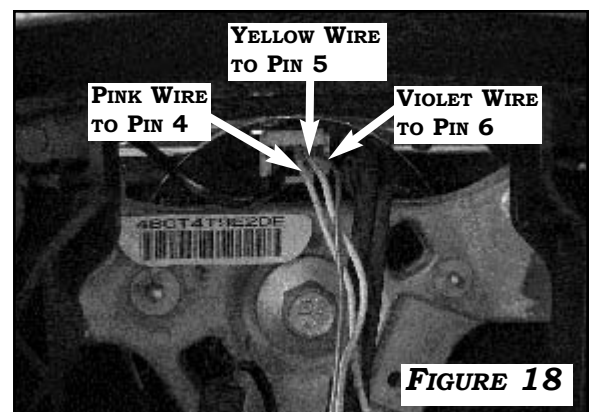
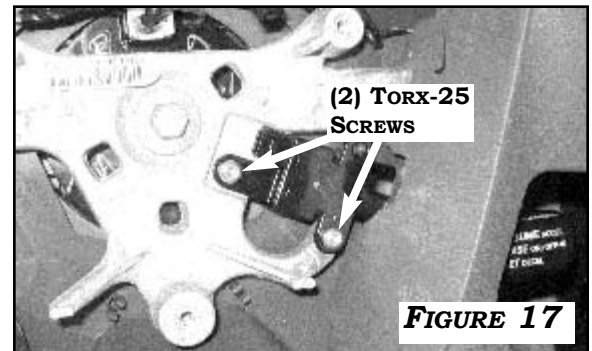
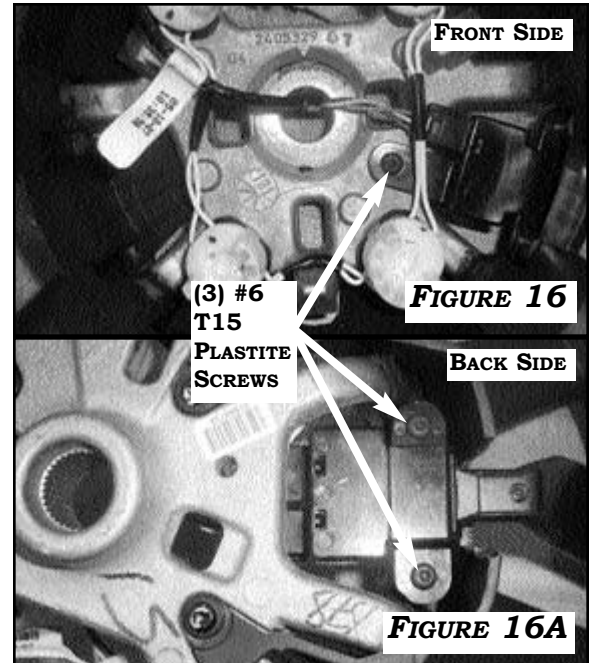


FIGURE 15A

INSTALLATION

CONTROL SWITCH (CONT.)

4. **JEEP WRANGLER** APPLICATIONS: USE (3) #6, T15 SCREWS PROVIDED IN HARDWARE BAG TO MOUNT CRUISE CONTROL SWITCH. **FIGURE 16 & 16A**
5. **DODGE CALIBER, JEEP COMPASS/PATRIOT** APPLICATIONS: USE (2) #10, T25 SCREWS PROVIDED IN HARDWARE BAG TO MOUNT CRUISE CONTROL SWITCH. **FIGURE 17**
6. LOCATE WHITE 6 PIN CONNECTOR INSIDE STEERING WHEEL. INSERT CRUISE CONTROL HARNESS WIRES TO THE FOLLOWING PIN LOCATIONS IN BACK-SIDE OF CONNECTOR: **PINK WIRE TO PIN 4; YELLOW WIRE TO PIN 5; VIOLET WIRE TO PIN 6**. CONNECT BLACK 3 PIN CONNECTOR OF CRUISE CONTROL HARNESS TO CRUISE CONTROL SWITCH. **FIGURE 18**
7. REINSTALL CENTER BRACKET INSIDE STEERING WHEEL, OR COMPLETE STEERING WHEEL IF APPLICABLE.



INSTALLATION

REASSEMBLY



1. REINSTALL AIRBAG.
2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE NUT TO **35 FT*LBS.**

TESTING

WHILE DRIVING VEHICLE, PRESS **[ON/OFF]** BUTTON ON CRUISE SWITCH TO ENGAGE CRUISE CONTROL. WITH VEHICLE ABOVE MINIMUM SET SPEED (REFER TO OWNER'S MANUAL), VERIFY THE FOLLOWING:

1. PRESSING **[SET]** ON CRUISE SWITCH CAUSES CRUISE TO CONTROL VEHICLE AT DESIRED SPEED.
2. PRESSING VEHICLE'S **BRAKE** PEDAL OR SHIFTING INTO NEUTRAL RETURNS CONTROL OF VEHICLE SPEED TO DRIVER.
3. PRESSING **[RESUME]** ON CRUISE SWITCH CAUSES CRUISE TO RETURN VEHICLE TO DESIRED SPEED.
4. PRESSING **[CANCEL]** ON CRUISE SWITCH RETURNS CONTROL OF VEHICLE SPEED TO DRIVER. PRESSING **[RESUME]** ON CRUISE SWITCH CAUSES CRUISE TO RETURN VEHICLE TO DESIRED SPEED.
5. PRESSING **[ON/OFF]** TURNS OFF CRUISE AND RETURNS CONTROL OF VEHICLE SPEED TO DRIVER. PREVIOUSLY SET SPEED IS REMOVED FROM CRUISE'S MEMORY.

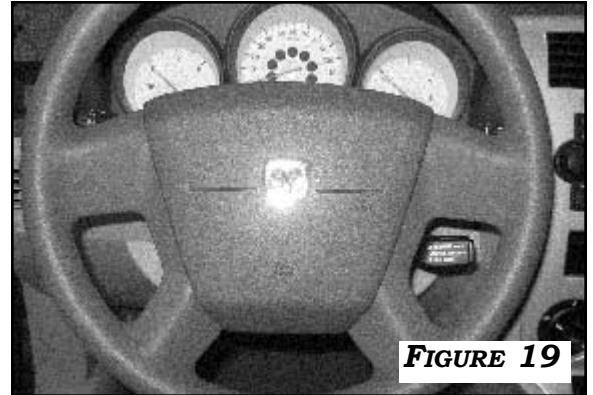


FIGURE 19



FIGURE 20

NOTES

NOTE: IF WIRE IS NOT AT FENDER WELL CONNECTOR AS STATED IN **STEP 2** OF **ECM HARNESS CONNECTION INSTRUCTIONS** OR CRUISE IS **NOT** FUNCTIONING, LOWER STEERING COLUMN. LOCATE RIGHT CONNECTOR AT BACK SIDE OF CLOCK SPRING. **FIGURE 21.** IF POSITIONS **6, 5, AND 4** ARE BLANK, USE CLOCKSPRING HARNESS IN KIT. INSERT **VIOLET WIRE** INTO **PIN 6**. INSERT **YELLOW WIRE** TO **PIN 5**. INSERT **PINK WIRE** TO **PIN 4**. RUN **HARNESS** THROUGH FIRE WALL TO **ECM**. MATCH WIRE TO MATING COLORS OF ECM HARNESS. IF OEM WIRES ARE PRESENT IN THE BACK SIDE OF CLOCK SPRING CONNECTOR, **CUT** PINS OFF OF **59B-05003 ECM HARNESS** AND USE SUPPLIED **T-TAPS** TO CONNECT TO EXISTING WIRES. RUN HARNESS THROUGH FIRE WALL AND CONNECT TO ECM HARNESS AS STATED ABOVE.

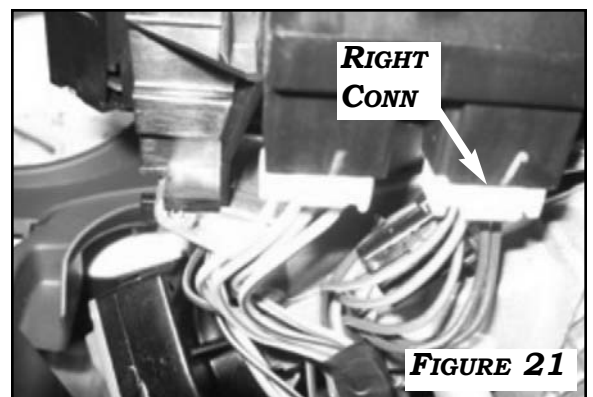


FIGURE 21



ROSTRA PRECISION CONTROLS, INC.
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