

BASE KIT CONTENTS

ITEM	QTY	DESCRIPTION
1	1	CONTROL SWITCH ASSEMBLY
2	2	SCREWS (M5)
3	3	HARDWARE CONTENTS

HARDWARE BAG CONTENTS

ITEM	QTY	DESCRIPTION
1	1	CRUISE ECM HARNESS FOR COROLLA
2	1	CRUISE ECM HARNESS FOR TACOMA
3	4	WIRE TIES
4	1	FOAM TAPE
5		
6		

ADDITIONAL ITEMS REQUIRED FOR INSTALL

ITEM	QTY	DESCRIPTION
1	1	CLUTCH SWITCH (FOR MANUAL TRANS.)

CONFLICTS

NOTE:

RECOMMENDED TOOLS

PERSONAL & VEHICLE PROTECTION	
SAFETY GLASSES	
FENDER COVER	
GLOVES (OPTIONAL)	
SPECIAL TOOLS	
BATTERY POST PROTECTOR	
INSTALLATION TOOLS	
TRIM REMOVAL TOOL	PHILLIPS SCREWDRIVER
10-MM WRENCH	T-30 BIT
3/4 WRENCH DRIVE	TORQUE WRENCH
DRILL BITS	1/4" AND 1 1/2" HOLE SAW
14MM WRENCH	
SPECIAL CHEMICALS	

SERVICE TOOL CONTENTS

ITEM	QTY	DESCRIPTION	PART NUMBER


GENERAL APPLICABILITY


ALL TACOMA MODELS


SERVICE PARTS


ITEM	PART#	DESCRIPTION
1	250-2705	TACOMA ECM HARNESS
2	250-4206	CLUTCH SWITCH
3	250-4380	CLUTCH SWITCH AND CLUTCH ECM HARNESS


LEGEND


 **STOP:** DAMAGE TO VEHICLE MAY OCCUR. DO NOT PROCEED UNTIL PROCESS COMPLIANCE HAS BEEN MET.


 **OPERATOR SAFETY:** USE CAUTION TO AVOID RISK OF INJURY.

 **CRITICAL PROCESS:** PROCEED WITH CAUTION TO ENSURE A QUALITY INSTALLATION. THESE POINTS WILL BE AUDITED ON A COMPLETED VEHICLE INSTALLATION.

 **GENERAL PROCESS:** THIS HIGHLIGHTS SPECIFIC PROCESSES TO ENSURE A QUALITY INSTALLATION. THESE POINTS WILL BE AUDITED DURING THE ACCESSORY INSTALLATION.

 **TOOLS & EQUIPMENT:** THIS CALLS OUT THE SPECIFIC TOOLS AND EQUIPMENT REQUIRED FOR THE PROCESS.

 **REVISION MARK:** THIS MARK HIGHLIGHTS A CHANGE IN INSTALLATION WITH RESPECT TO PREVIOUS ISSUE.

 **VEHICLE PROTECTION:** THIS CALLS OUT FOR PROTECTION OF VEHICLE REQUIRED FOR THIS PROCESS.

SPECIAL NOTE: INSTALLATION SEQUENCES
AFTER SAFETY MANDATED PREPARATORY STEPS HAVE BEEN TAKEN, THE INSTALLATION SEQUENCE IS THE SUGGESTED METHOD FOR COMPLETING THE ACCESSORY INSTALLATION. IN SOME INSTANCES THE SUGGESTED SEQUENCE IS WRITTEN FOR ONE ASSOCIATE TO INSTALL AND IN OTHERS THE SEQUENCE IS GIVEN AS PART OF A TEAM ACCESSORY INSTALLATION. UNLESS OTHERWISE STATED IN THE DOCUMENT, THE ASSOCIATES MAY PERFORM THE INSTALLATION STEPS IN ANY ORDER TO MAKE THE INSTALLATION AS EFFICIENT AS POSSIBLE WHILE MAINTAINING CONSISTENT QUALITY.

INSTALLATION

VEHICLE PREPARATION:

1. DISCONNECT THE CABLE FROM THE NEGATIVE TERMINAL OF THE BATTERY. **FIGURE 1**

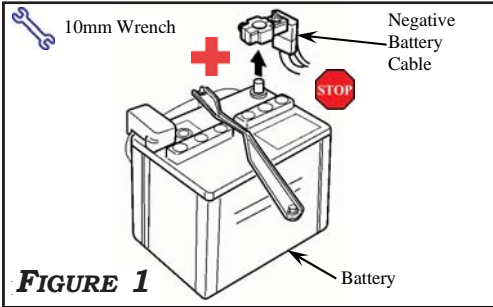


FIGURE 1



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.



2. REMOVE AIRBAG BY RELEASING SIDE PANELS FROM STEERING WHEEL AND EXTRACTING THE TWO 30 TORX SCREWS AS ILLUSTRATED IN **FIGURE 2**.

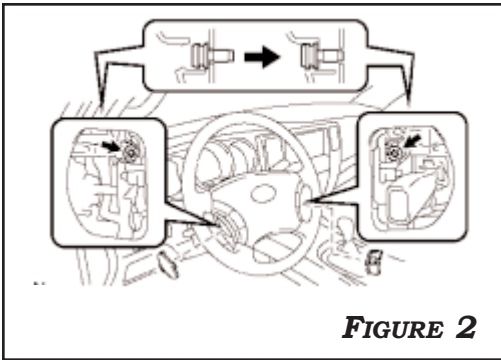


FIGURE 2

3. REMOVE GROUND TERMINAL AND DUMMY HORN/CRUISE CONNECTOR FROM STEERING WHEEL AND DISCARD. UTILIZE SMALL SCREWDRIVER TO REMOVE AIRBAG CONNECTORS AS ILLUSTRATED IN **FIGURE 3**.

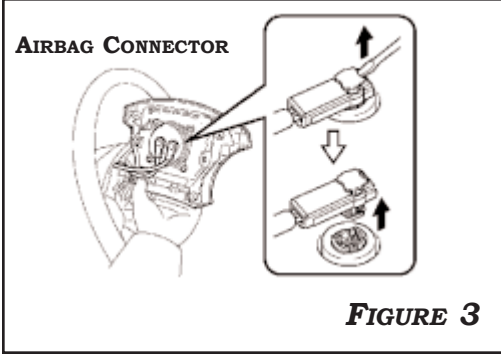


FIGURE 3



CAUTION: BE SURE TO STORE AIRBAG FACE UP AS ILLUSTRATED IN FIGURE 4 TO REDUCE INJURY IN EVENT OF ACCIDENTAL DISCHARGE OF AIRBAG.

4. REMOVE 2 PHILLIPS SCREWS TO RELEASE THE STEERING COLUMN SHROUD. **FIGURE 5**

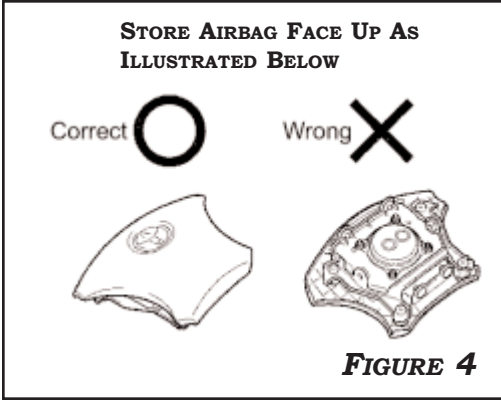


FIGURE 4

5. PULL THE GLOVE COMPARTMENT DOOR ASSEMBLY TOWARD THE REAR OF THE VEHICLE TO RELEASE THE 3 HINGES AND REMOVE THE GLOVE COMPARTMENT DOOR ASSEMBLY. **FIGURE 6**

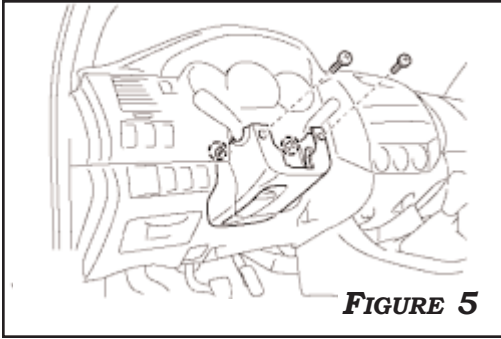


FIGURE 5

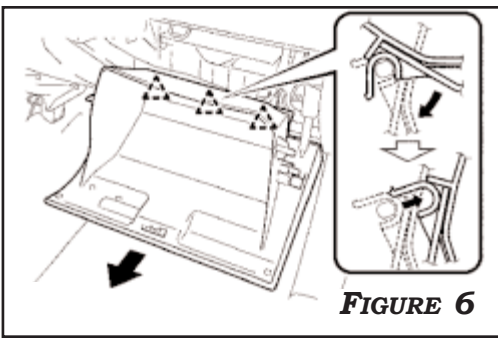


FIGURE 6

INSTALLATION

CONTROL SWITCH



1. USE THE **SWITCH HOLE CUTTING TEMPLATE** ON PAGE 10 TO PLACE THE TEMPLATE ON THE INSIDE OF THE RIGHT SIDE TRIM PANEL. CUT OUT A **1/4"** PILOT HOLE AS SHOWN IN **FIGURE 7**. USE A **1 1/2"** HOLE SAW TO DRILL THE HOLE LOCATION ON THE TRIM PANEL. **FIGURE 9**.

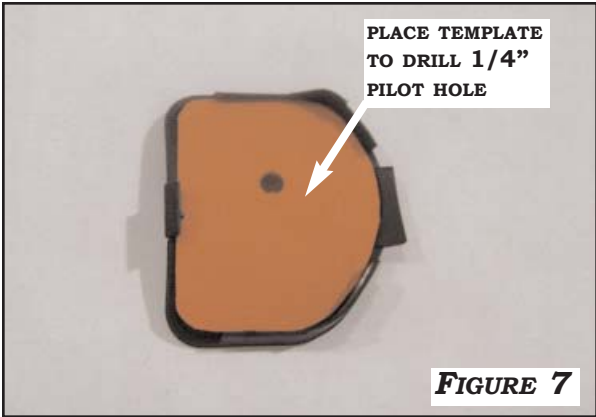


FIGURE 7



2. PLACE THE TRIM PANEL ON A DRILLING SURFACE AS SHOWN IN **FIGURE 8**. INSTALL THE TOP PLATE ONTO THE FIXTURE. USE A **1 1/2"** HOLE SAW TO CUT OUT THE HOLE LOCATION ON THE TRIM PANEL. **FIGURES 9 & 10**

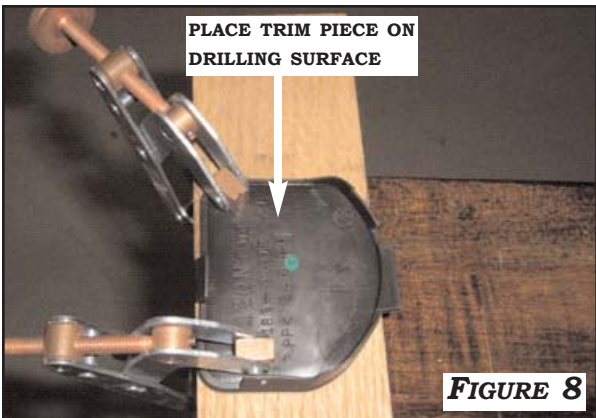


FIGURE 8

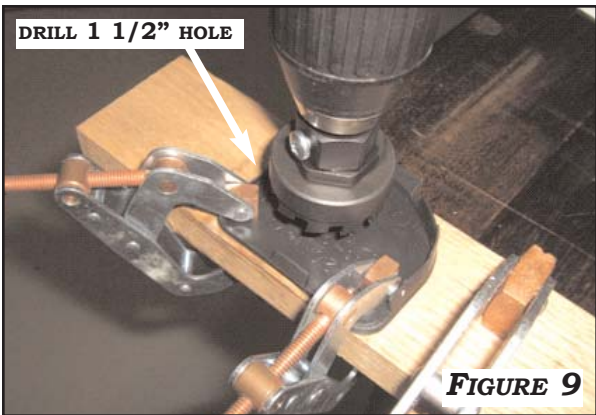


FIGURE 9



FIGURE 10

INSTALLATION

CONTROL SWITCH CONTINUED



3. MOUNT CRUISE CONTROL SWITCH WITH TWO (2) PHILLIPS SCREWS PROVIDED. REMOVE GROUND TERMINAL AND DUMMY HORN/CRUISE CONNECTOR FROM STEERING WHEEL AND DISCARD. PLUG IN CRUISE SWITCH CONNECTOR ENSURING TO RE-CONNECT GROUND TERMINAL. **FIGURES 11-12**

CRUISE ECM AND GROUND HARNESS



1. LOCATE BLACK CONNECTOR **S8** BEHIND STEERING WHEEL AT RIGHT SIDE OF SUB ASSEMBLY. **FIGURE 13**. REMOVE CONNECTOR. **BE SURE TO PUSH OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR. FIGURE 14**. INSERT THE **CLOCK-SPRING** TERMINAL FROM THE **BROWN** CRUISE ECM HARNESS TO **PIN 1** (CRUISE CIRCUIT) OF CONNECTOR **S8** CAREFULLY LOCKING TERMINAL INTO PLACE. **FIGURE 15**. PULL THE TERMINAL BACK GENTLY TO CHECK WHETHER IT IS LOCKED CORRECTLY.
2. INSERT THE **CLOCKSPRING** TERMINAL FROM THE **BLACK** CRUISE GROUND HARNESS INTO **PIN 2** OF CONNECTOR **S8** CAREFULLY LOCKING TERMINAL INTO PLACE. PULL THE TERMINAL BACK GENTLY TO CHECK WHETHER IT IS LOCKED CORRECTLY. **FIGURES 15**. REASSEMBLE CONNECTOR AND PLACE BACK ONTO SUB ASSEMBLY. **BE SURE RETAINER IS PRESSED IN BEFORE REINSTALLING.**
2. ROUTE THE GROUND HARNESS ALONG THE FACTORY HARNESS TO A 10MM BOLT ON THE VEHICLE FRAME. REMOVE THE 10MM BOLT AND INSTALL THE RING TERMINAL FROM THE **BLACK** CRUISE GROUND HARNESS. **SECURE THE HARNESS WITH WIRE TIES.**

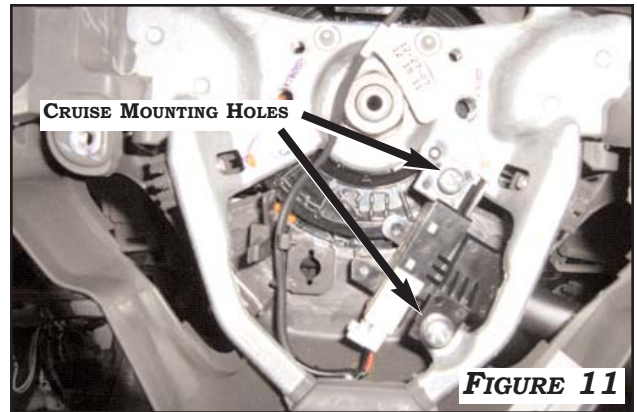


FIGURE 11

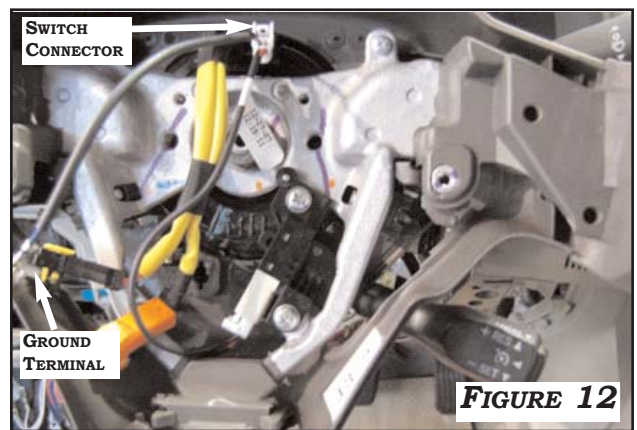


FIGURE 12

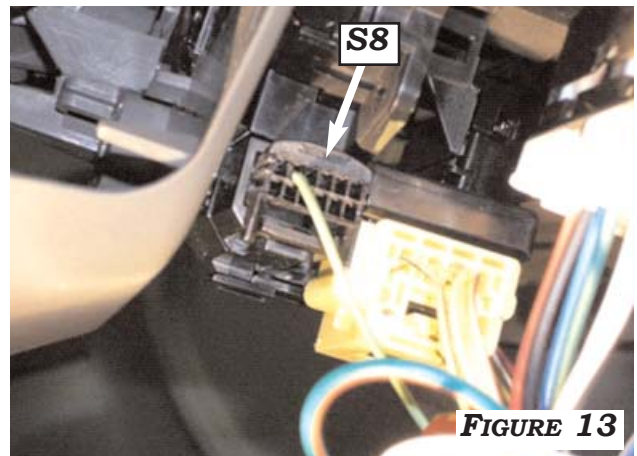


FIGURE 13

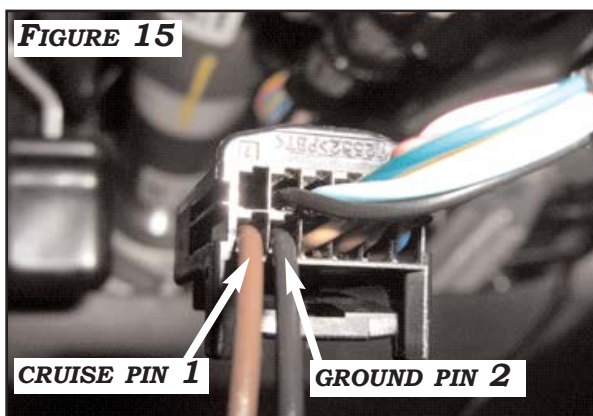


FIGURE 15

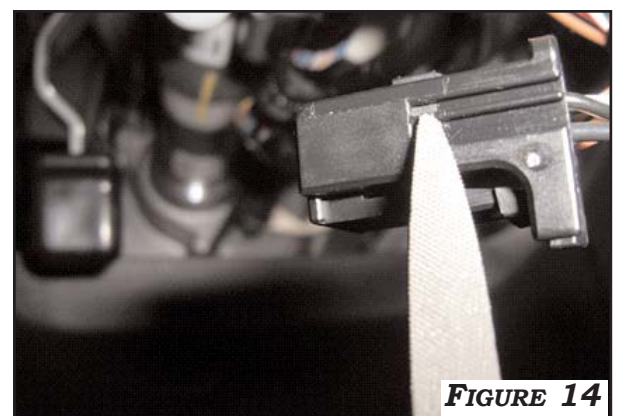


FIGURE 14

INSTALLATION

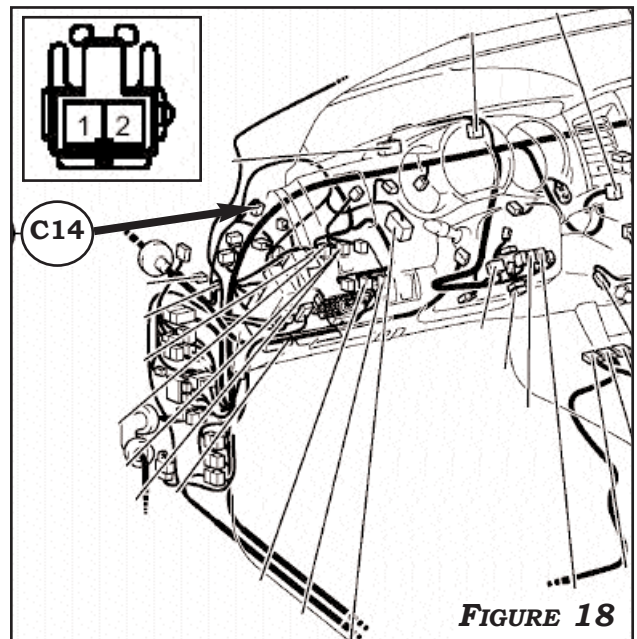
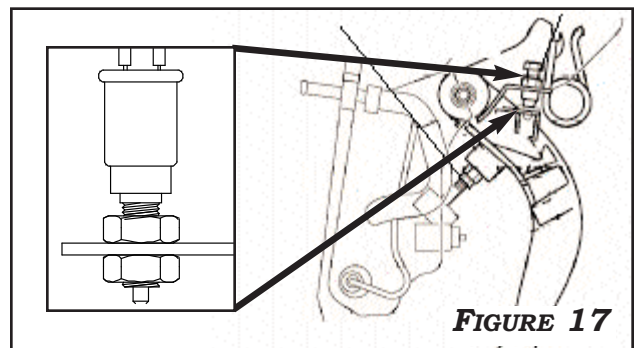
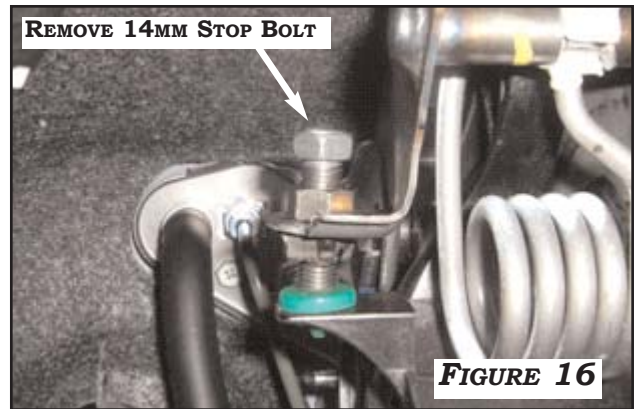
NOTE

FOR MANUAL TRANSMISSION TACOMA, USE ROSTRA CLUTCH DISENGAGEMENT SWITCH AND CLUTCH HARNESS KIT 250-4206 IS REQUIRED.

REMOVE (3) 10MM SCREWS TO RELEASE JUNCTION BOX TO EASE INSTALLATION OF THE CLUTCH SWITCH.

1. FOR MANUAL TRANSMISSION: RECORD THE STOP BOLT POSITION ON THE CLUTCH PEDAL. USE A **14MM** WRENCH TO REMOVE. REPLACE CLUTCH PEDAL STOP BOLT WITH ROSTRA CLUTCH DISENGAGEMENT SWITCH. ATTACH CLUTCH HARNESS TO CLUTCH DISENGAGEMENT SWITCH. **FIGURES 16-17**

2. FOR MANUAL TRANSMISSION TACOMA ONLY: LOCATE CONNECTOR **C14** ABOVE CLUTCH PEDAL, **FIGURE 18**, AND ATTACH **RED** T-TAPS TO THE **Lt. BLUE** AND **Lt. GREEN** WIRES. CONNECT MALE TERMINALS TO **VIOLET** WIRES OF CLUTCH HARNESS AND MAKE CONNECTION WITH THE T-TAPS PREVIOUSLY INSTALLED.



INSTALLATION

07-08 CRUISE ECM HARNESS



1. ROUTE THE TACOMA CRUISE ECM HARNESS TO THE ECM BEHIND THE GLOVE BOX. REMOVE GLOVE BOX. LOCATE WHITE CONNECTOR **E7** (SECOND FROM BOTTOM) OF THE ECM. **FIGURE 19**. **BE SURE TO PULL OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR. FIGURE 20.** INSERT **ECM** TERMINAL FROM THE **BROWN** WIRE OF THE TACOMA CRUISE ECM HARNESS TO THE FOLLOWING MODEL YEAR LOCATIONS:

07-08 TACOMA (FIGURE 21)

- 1GRFE ENGINE: CONNECTOR E7 PIN 2 BROWN/WHITE**
2TRFE ENGINE: CONNECTOR E7 PIN 31 BROWN/WHITE

2. IF THE **BROWN/WHITE** WIRE IS PRESENT IN PIN **2** OR **31** OF CONNECTOR **E7**, CUT OFF TERMINAL FROM **BROWN** WIRE OF TACOMA CRUISE ECM HARNESS AND SOLDER TO **BROWN/WHITE** WIRE IN PIN **2** OR **31**.

3. CAREFULLY LOCK THE TERMINAL INTO PLACE. PULL THE TERMINAL BACK GENTLY TO CHECK WHETHER IT IS LOCKED CORRECTLY. REASSEMBLE CONNECTOR AND PLACE BACK ONTO ECM. **BE SURE RETAINER IS PRESSED IN BEFORE REINSTALLING.** SECURE HARNESS WITH WIRE TIES.

4. REASSEMBLE ACCORDING TO BELOW INSTRUCTIONS, THEN REPEAT TESTING PROCEDURE.

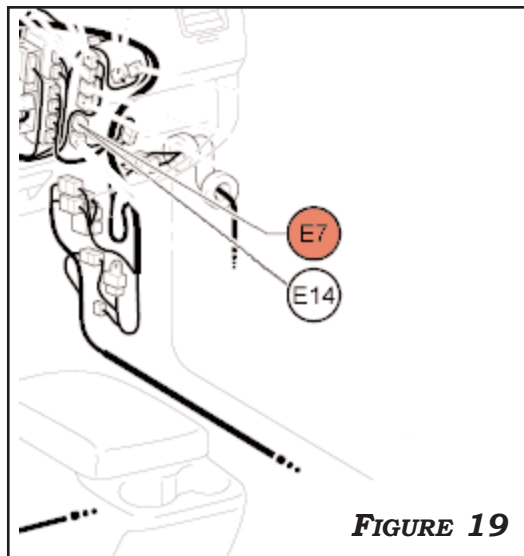


FIGURE 19

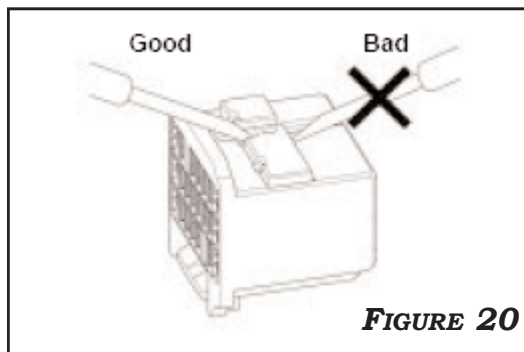


FIGURE 20

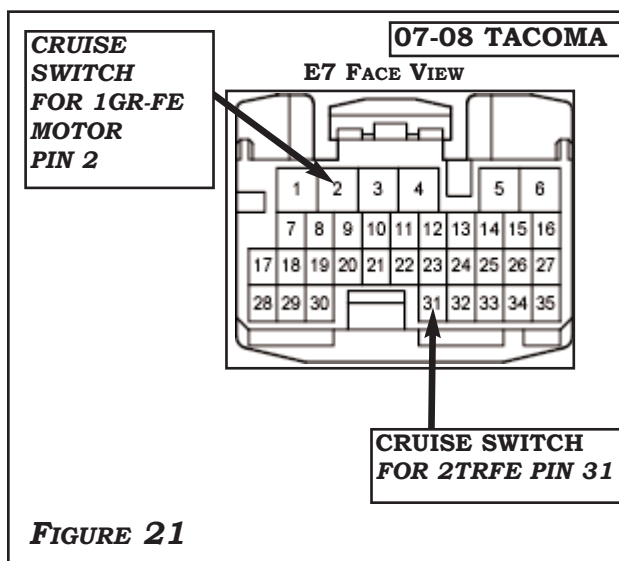


FIGURE 21

INSTALLATION

TESTING



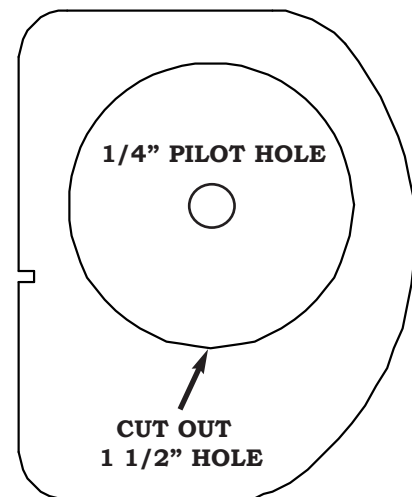
1. REINSTALL AIRBAG. TORQUE SCREWS TO **78IN*LBS.**
2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO **3FT*LBS.**



3. TURN THE IGNITION TO THE "ON" POSITION. PRESS THE "CRUISE ON-OFF" BUTTON. THIS TURNS THE SYSTEM ON. THE INDICATOR LIGHT IN THE INSTRUMENT PANEL WILL COME ON.



TACOMA SHROUD TEMPLATE



REASSEMBLY



1. REINSTALL ALL TRIM PIECES TAKING SPECIAL CARE TO ENSURE HARNESSES AND WIRE CONNECTIONS ARE PROPERLY SECURED.
2. BE SURE HARNESSES ARE NOT PINCHED OR BOUND BY TRIM PIECES.

TROUBLESHOOTING

1. LOCATE CONNECTOR S8 OF CLOCKSPRING BELOW RIGHT HAND SIDE STEERING COLUMN. REFER TO **FIGURE 23**
2. WITH IGNITION SWITCH ON, PLACE POSITIVE LEAD OF METER ON **PIN 1** (DC).
3. PLACE COMMON LEAD ON **PIN 2** (GROUND). CONFIRM READINGS ARE AS FOLLOWS:
 - A. KEY ON: 12VOLTS.
 - B. KEY ON, PRESS CRUISE SWITCH 'ON' AND HOLD: 0 VOLTS.
 - C. KEY ON, PRESS CRUISE SWITCH 'SET' AND HOLD: 6 VOLTS.
 - D. KEY ON, PRESS CRUISE SWITCH 'RESUME' AND HOLD: 3 VOLTS.
4. IF THE VOLTAGES ARE DIFFERENT REPLACE CONTROL SWITCH.
5. IF THERE IS NOT 12VOLTS ON **PIN 1**, THEN DO A CONTINUITY TEST FROM THE CONTROL SWITCH (BEHIND AIR BAG) TO THE COMPUTER.
6. IF NO CONTINUITY, THEN CHECK PIN INSERTIONS AT CONTROL SWITCH, CLOCKSPRING AND COMPUTER.
7. IF CONTINUITY IS GOOD, THEN VERIFY PIN POSITIONS AT CLOCKSPRING AND COMPUTER.
8. IF ALL POSITIONS CHECK OK AND CONTINUITY IS GOOD, THEN THERE IS A COMPUTER PROBLEM. CONSULT A TOYOTA DEALER.

