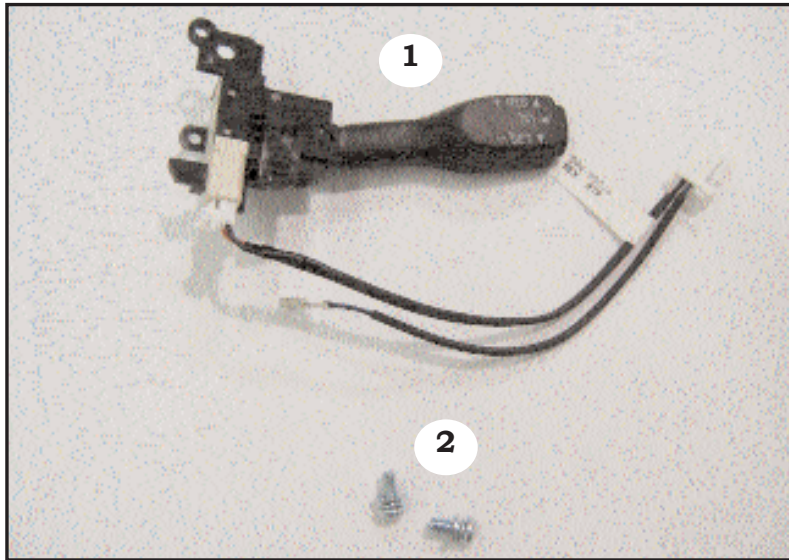


PART NUMBER: 250-1731



BASE KIT CONTENTS

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

HARDWARE BAG CONTENTS

ITEM	QTY	DESCRIPTION
1	1	CRUISE ECM HARNESES FOR COROLLA
2	1	CRUISE ECM HARNESS FOR TACOMA

ADDITIONAL ITEMS REQUIRED FOR INSTALL

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

CONFLICTS

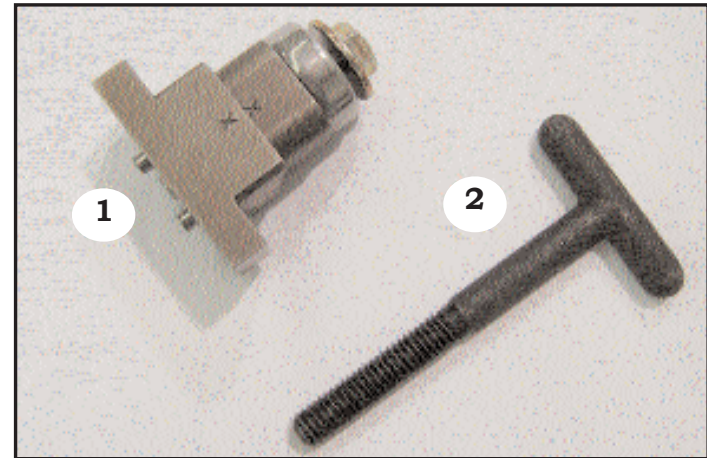
NOTE: NOTE: ALL COROLLA VEHICLES WITH VIN'S BEGINNING WITH "2T1", AND AUTOMATIC TRANSMISSION VEHICLES WITH VIN'S BEGINNING WITH "1NX" REQUIRE PART ITEM 1 LISTED AT BAG CONTENTS. ALL TACOMA VEHICLES WITH V6 ENGINES USE ITEM 2.

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	1/4" AND 1 1/2" HOLE SAW
SPECIAL CHEMICALS	

FORM #5156, REV. F, 07-06-10

TOOL SERVICE PARTS



SVC CONTENTS

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	CUTTING TOOL	250-2598
2	1	EXTRACTION TOOL	250-2600

GENERAL APPLICABILITY

COROLLA/MATRIX/PRIUS/TUNDRA/TACOMA/YARIS (2010) MODELS

SERVICE PARTS

ITEM	PART#	DESCRIPTION
1	250-2707	STOP SWITCH ASSEMBLY (PRIUS)
2	250-2755	BRAKE HARNESS (09 PRIUS)
3	250-2663	CLUTCH SWITCH (TACOMA, YARIS)
4	250-2706	COROLLA ECM HARNESES
5	250-2705	TACOMA ECM HARNESS
6	250-2709	TUNDRA HARNESS
7	250-2782	YARIS (2010) 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.

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.

YARIS VEHICLE PREPARATION

VEHICLE PREPARATION:

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

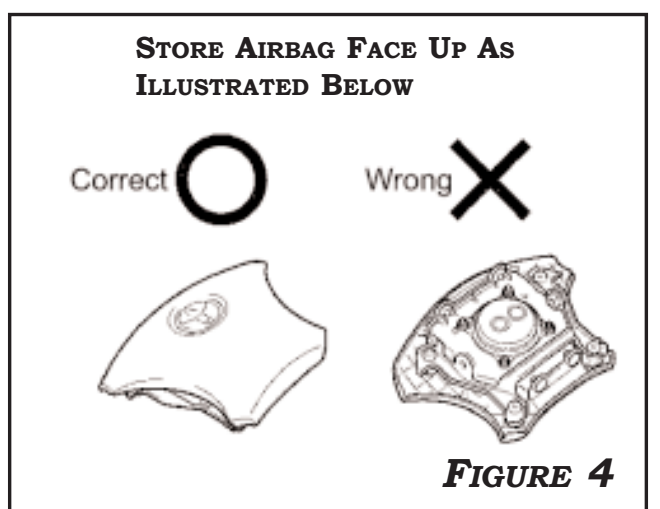
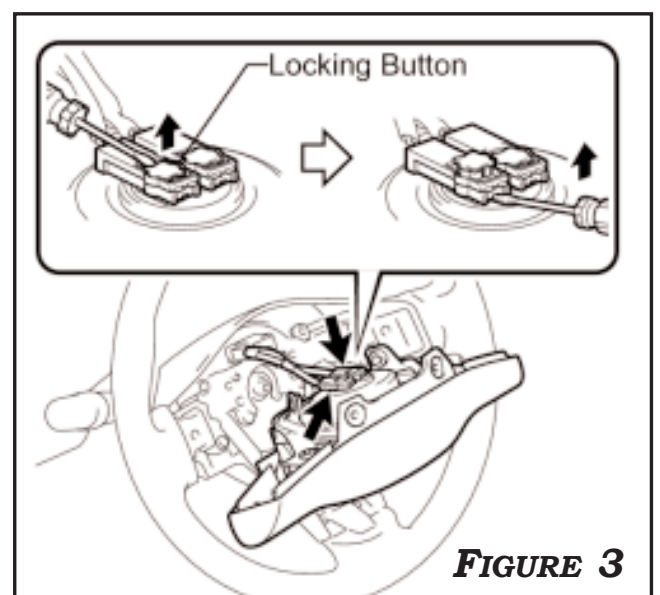
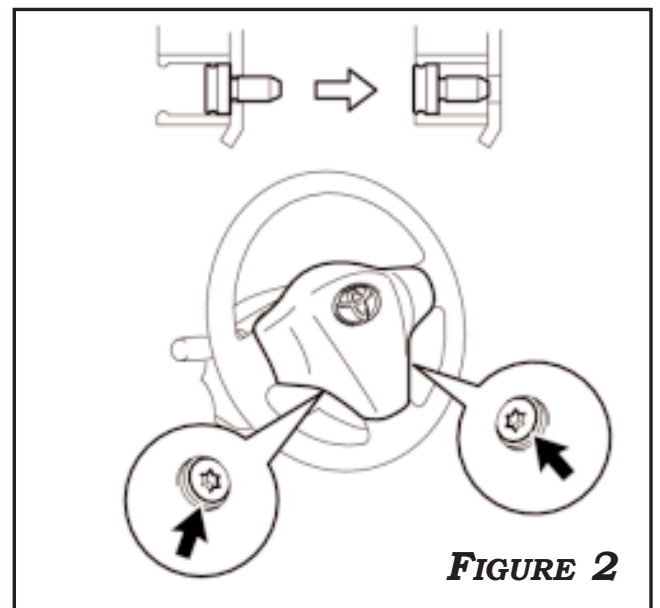
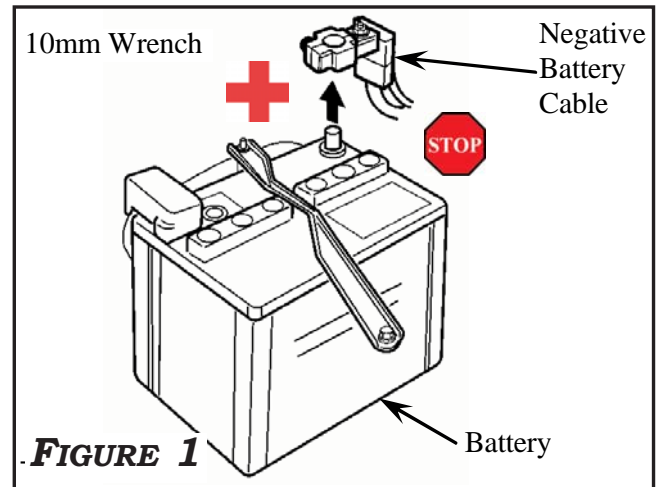


2. REMOVE AIRBAG BY EXTRACTING THE TWO 30 TORX SCREWS AS ILLUSTRATED IN **FIGURE 2**.

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**.



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



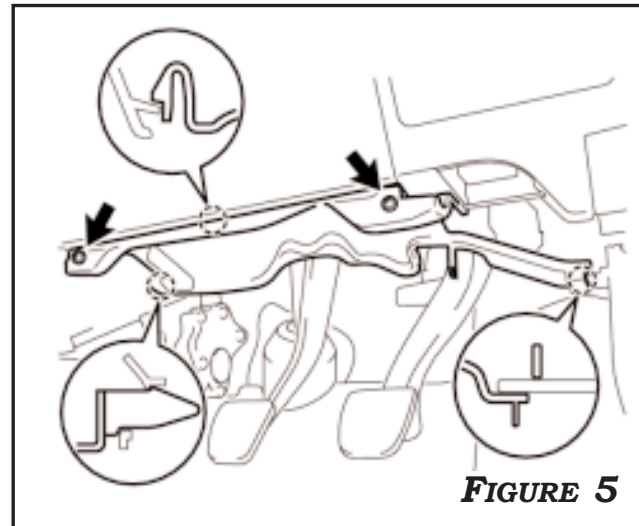
YARIS VEHICLE PREPARATION

VEHICLE PREPARATION

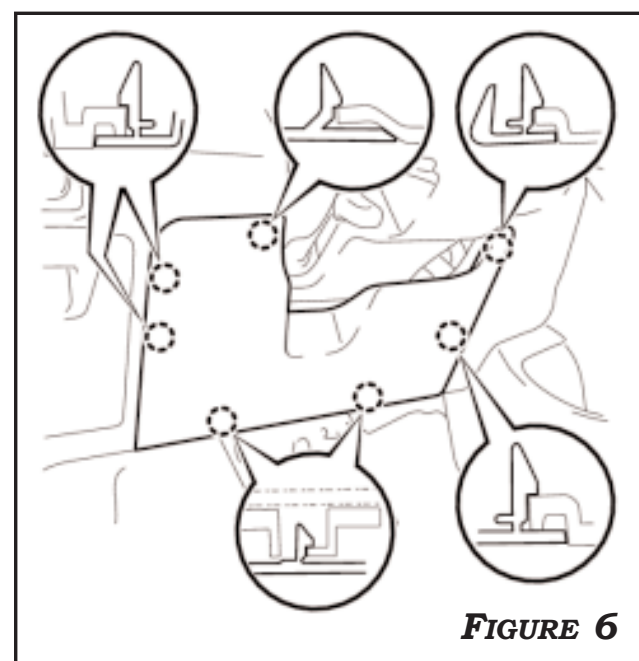
(FOR VEHICLES WITH MANUAL TRANSMISSION)



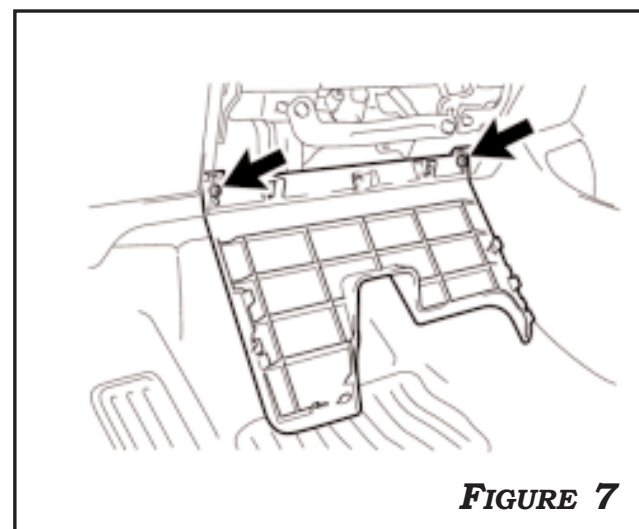
4. REMOVE 2 SCREWS AND DISENGAGE THE 3 CLAWS TO REMOVE THE INSTRUMENT PANEL UNDER COVER **FIGURE 5**



5. DISENGAGE THE 7 CLAWS AND OPEN THE INSTRUMENT PANEL LOWER FINISH PANEL. **FIGURE 6**



6. REMOVE THE 2 SCREWS AND REMOVE THE INSTRUMENT PANEL LOWER FINISH PANEL. **FIGURE 7**



YARIS INSTALLATION

CONTROL SWITCH



1. FOR DIO INSTALLS: USE THE **SWITCH HOLE CUTTING TEMPLATE** ON PAGE 11, PLACE THE TEMPLATE ON THE RIGHT SIDE OF THE STEERING SHROUD AS SHOWN AND DRILL TWO A **(1/4")** PILOT HOLE. **FIGURE 8.** CONTINUE TO STEP 4.

2. REMOVE YARIS SWITCH HOLE CUTTING TEMPLATE. USE A 1 1/8" HOLE SAW TO DRILL SWITCH HOLE. **FIGURE 11.**

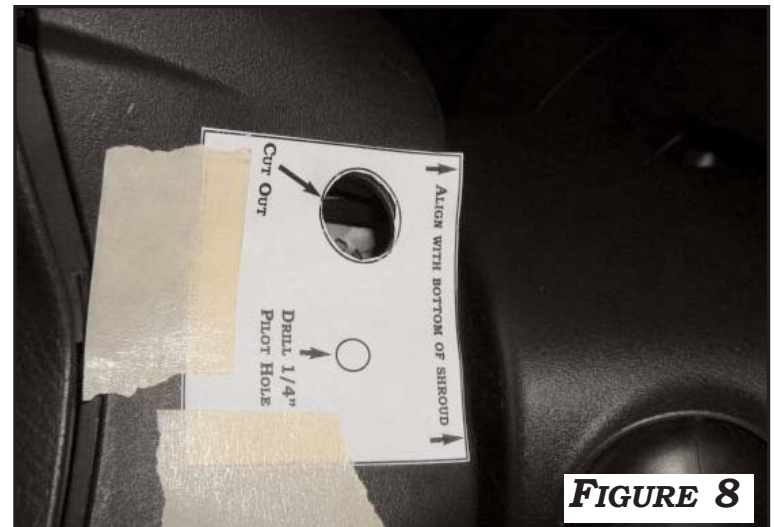


FIGURE 8

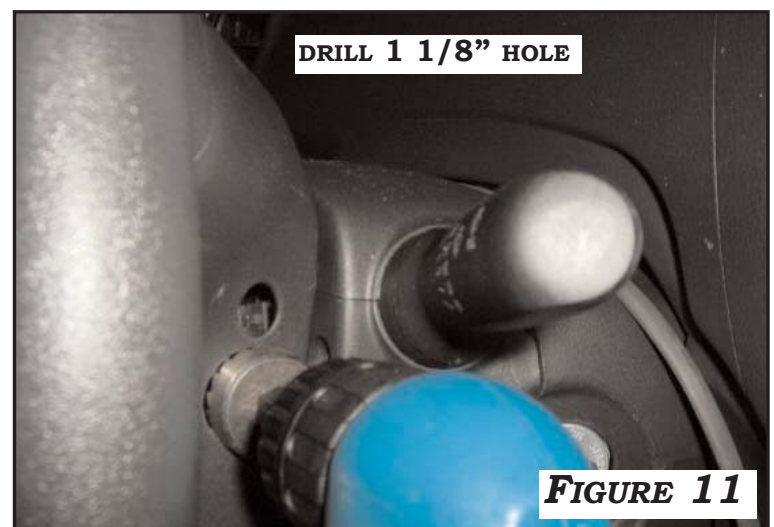


FIGURE 11

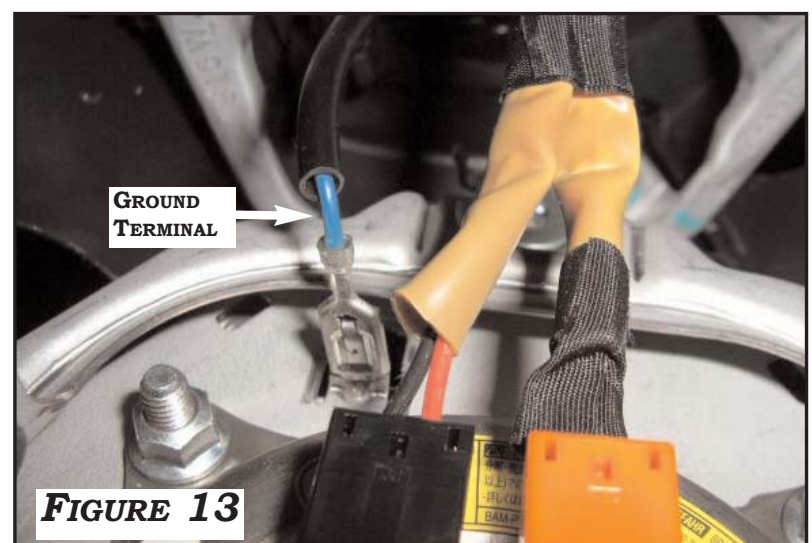
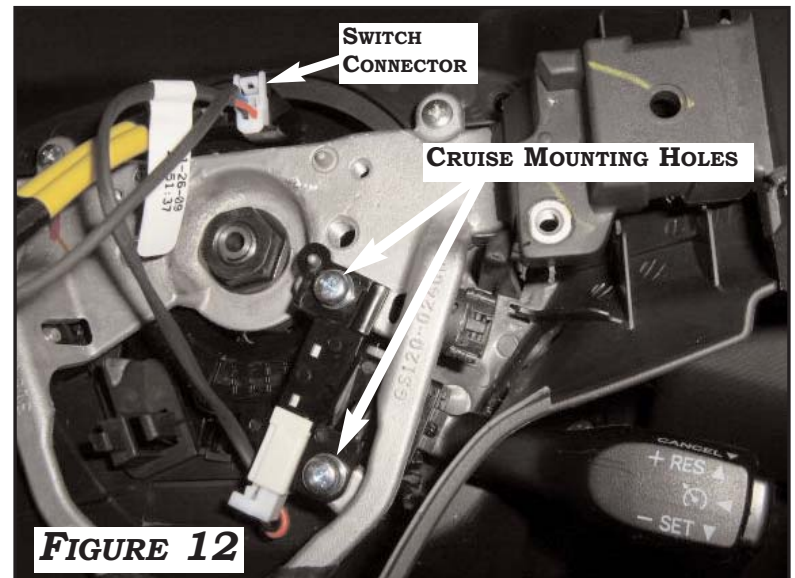
YARIS INSTALLATION

CONTROL SWITCH CONTINUED



5. 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 RECONNECT GROUND TERMINAL. **FIGURES 12-13**

5. IF VEHICLE HAS MANUAL TRANSMISSION, SKIP TO NEXT PAGE. IF VEHICLE HAS AUTOMATIC TRANSMISSION, CONTINUE TO THE TESTING SECTION BELOW.



TESTING



1. REINSTALL AIRBAG. TORQUE SCREWS TO 78 IN. LBS.



2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO 3 FT*LBS.

3. TURN THE IGNITION TO THE “ON” POSITION. PRESS THE “CRUISE ON-OFF” BUTTON. THIS OPERATION TURNS THE SYSTEM ON. THE INDICATOR LIGHT IN THE INSTRUMENT PANEL WILL COME ON. IF THIS LIGHT COMES ON, SEE THE OPERATING INSTRUCTIONS. IF THE LIGHT DOES NOT COME ON, SEE PAGE 18.

YARIS INSTALLATION

NOTE

FOR MANUAL TRANSMISSION YARIS, USE ROSTRA CLUTCH DISENGAGEMENT SWITCH AND CLUTCH HARNESS KIT 250-2663 IS REQUIRED.

1. FOR MANUAL TRANSMISSION YARIS ONLY: 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 14-15**

2. FOR MANUAL TRANSMISSION YARIS ONLY: LOCATE CONNECTOR **A29** BETWEEN THE JUNCTION BOX AND BRAKE SWITCH. **FIGURE 16.** ATTACH **RED** T-TAP TO THE **BLACK** WIRE IN **PIN 1** OF CONNECTOR **A29**. CONNECT MALE TERMINALS TO **VIOLET WIRES** OF CLUTCH HARNESS AND MAKE ONE CONNECTION WITH THE T-TAP PREVIOUSLY INSTALLED. CONNECT THE OTHER VIOLET WIRE TO THE **BLUE** IN **PIN 2** OF CONNECTOR **A29**. SECURE CLUTCH SWITCH HARNESS WITH WIRE TIES.

TESTING



1. REINSTALL AIRBAG. TORQUE SCREWS TO 78 IN. LBS.



2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO **3 FT*LBS.**

3. TURN THE IGNITION TO THE "ON" POSITION. PRESS THE "CRUISE ON-OFF" BUTTON. THIS OPERATION TURNS THE SYSTEM ON. THE INDICATOR LIGHT IN THE INSTRUMENT PANEL WILL COME ON. IF THIS LIGHT COMES ON, SEE THE OPERATING INSTRUCTIONS. IF THE LIGHT DOES NOT COME ON, SEE PAGE 18.

YARIS CLUTCH

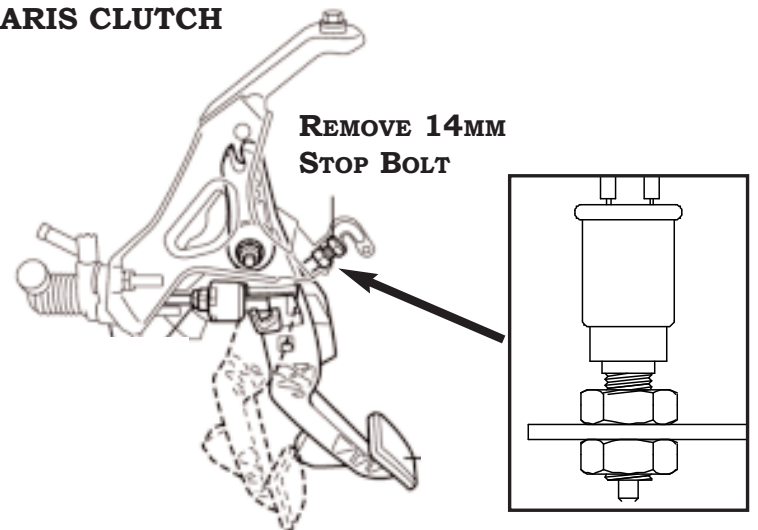


FIGURE 14

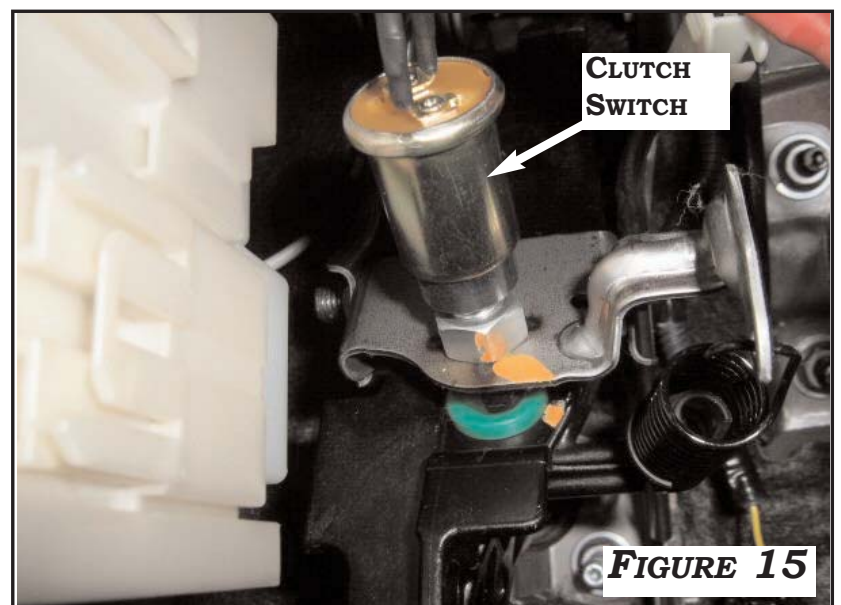


FIGURE 15

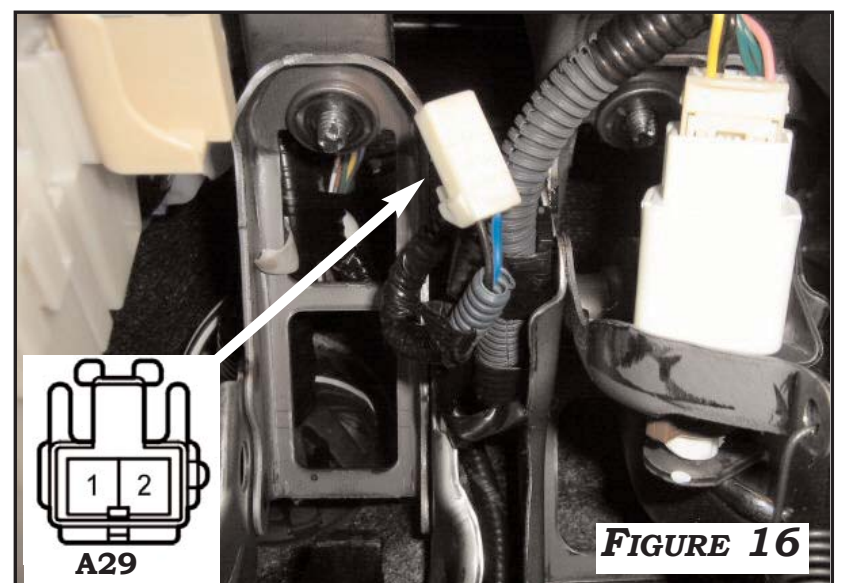


FIGURE 16

YARIS INSTALLATION USING SERVICE KIT 250-2782



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.

STEERING WHEEL WIRE ROUTING



1. REMOVE DRIVER SIDE KICK PANEL AND SCUFF PLATE. **FIGURE 17.** REMOVE THE 2 SCREWS AND REMOVE THE INSTRUMENT PANEL LOWER FINISH PANEL. **FIGURE 18.**

2. REMOVE 2 SCREWS AND REMOVE THE STEERING WHEEL SHROUD COVER. **FIGURE 19**

3. LOCATE GRAY CONNECTOR **AD4** BEHIND JUNCTION BOX UNDER DASH. **FIGURES 20 & 21.** REMOVE CONNECTOR. **BE SURE TO PULL OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR. FIGURE 22.** INSERT THE **AD4 TERMINAL** FROM THE CRUISE ECM WIRE INTO **PIN 6** (CRUISE CIRCUIT) OF CONNECTOR **AD4** CAREFULLY LOCKING TERMINAL INTO PLACE. PULL THE TERMINAL BACK GENTLY TO CHECK WHETHER IT IS LOCKED CORRECTLY. **FIGURES 23-24**

4. ROUTE THE CRUISE ECM WIRE TO THE STEERING WHEEL AREA WITH THE EXISTING VEHICLE WIRING.

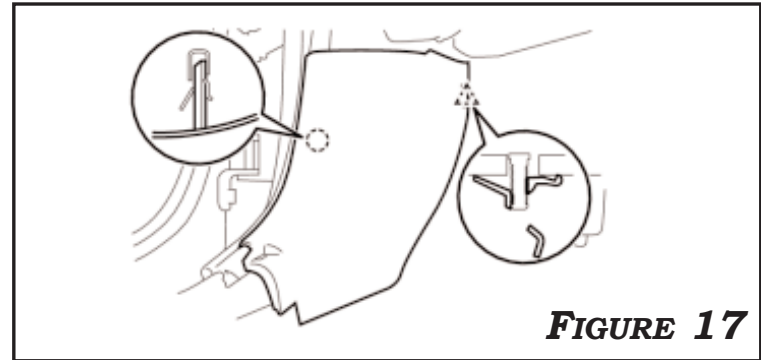


FIGURE 17

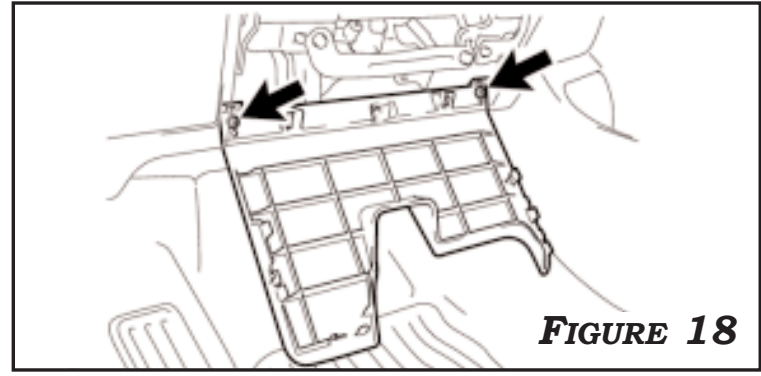


FIGURE 18



FIGURE 19

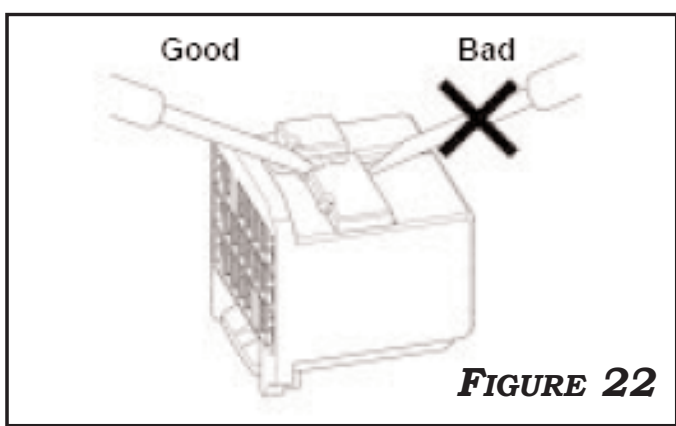


FIGURE 22

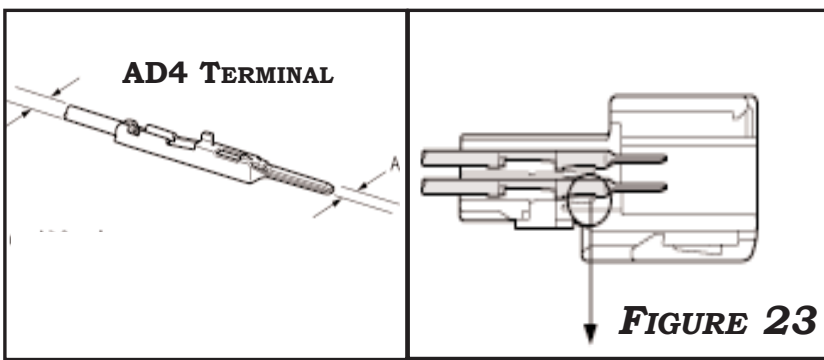


FIGURE 23

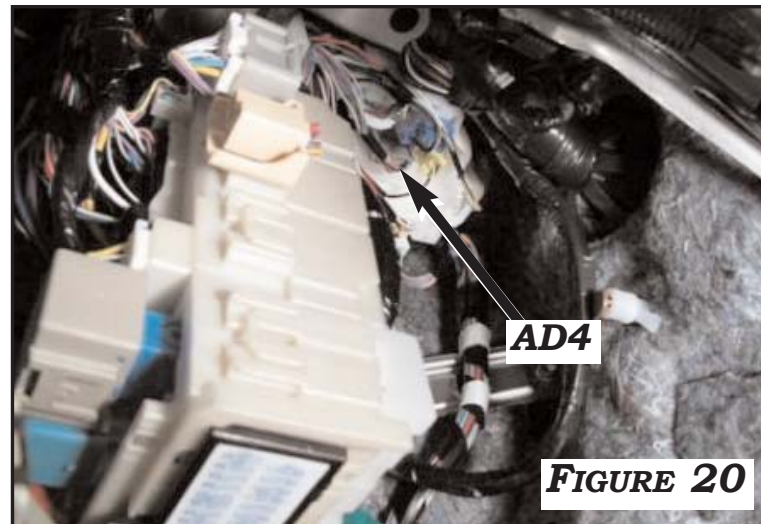


FIGURE 20

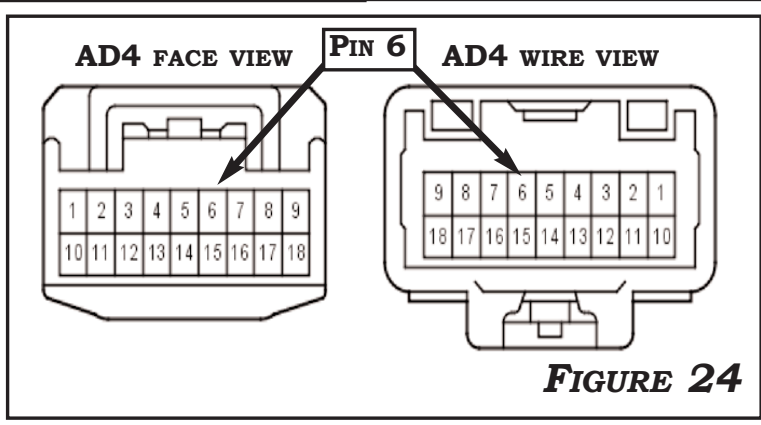


FIGURE 24

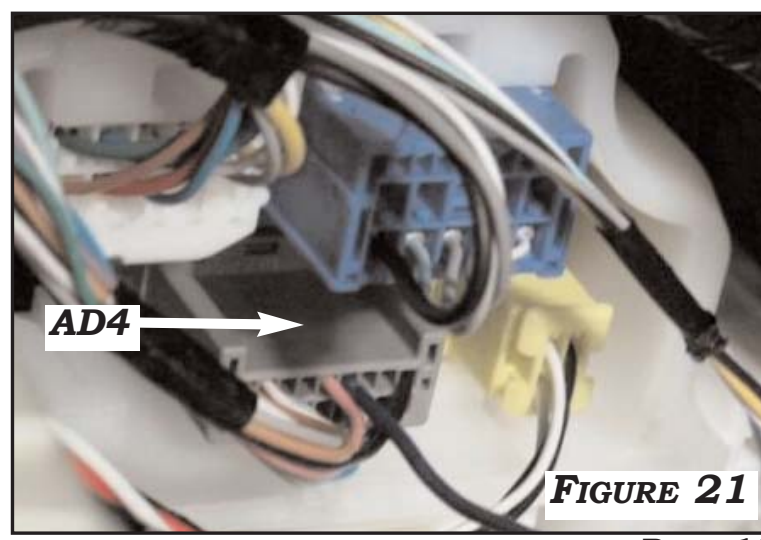


FIGURE 21

YARIS INSTALLATION USING SERVICE KIT 250-2782

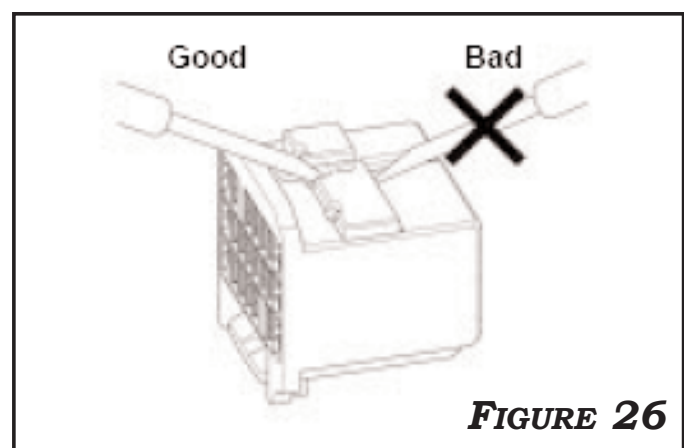
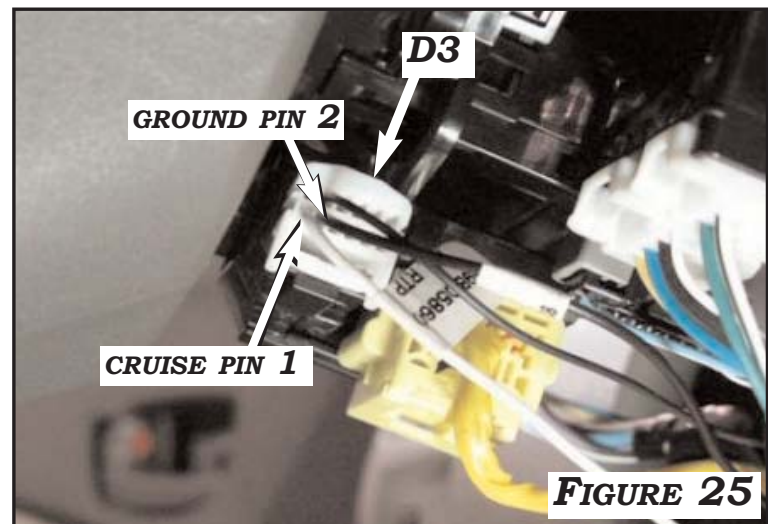
STEERING WHEEL WIRE ROUTING



5. LOCATE WHITE CONNECTOR **D3** BEHIND STEERING WHEEL AT RIGHT SIDE OF SUB ASSEMBLY. **FIGURE 25**. REMOVE CONNECTOR. **BE SURE TO PULL OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR. FIGURE 26**. INSERT THE **D3 TERMINAL** FROM THE CRUISE ECM WIRE TO **PIN 1** (CRUISE CIRCUIT) OF CONNECTOR **D3. FIGURES 27-28**.

6. INSERT THE **D3 TERMINAL** FROM CRUISE GROUND WIRE INTO **PIN 2** (CRUISE GROUND) OF CONNECTOR **D3** CAREFULLY LOCKING TERMINAL INTO PLACE. PULL THE TERMINALS BACK GENTLY TO CHECK WHETHER IT IS LOCKED CORRECTLY. **FIGURES 27-28**. REASSEMBLE CONNECTOR AND PLACE BACK ONTO SUB ASSEMBLY. **BE SURE RETAINER IS PRESSED IN BEFORE REINSTALLING.**

7. ROUTE THE GROUND WIRE ALONG THE FACTORY HARNESS TO THE 10MM BOLT AT **GROUND POINT D1** AS SHOWN IN **FIGURE 29**. REMOVE THE 10MM BOLT AND INSTALL THE RING TERMINAL FROM THE CRUISE GROUND WIRE. **SECURE THE HARNESSES WITH WIRE TIES.**



TESTING

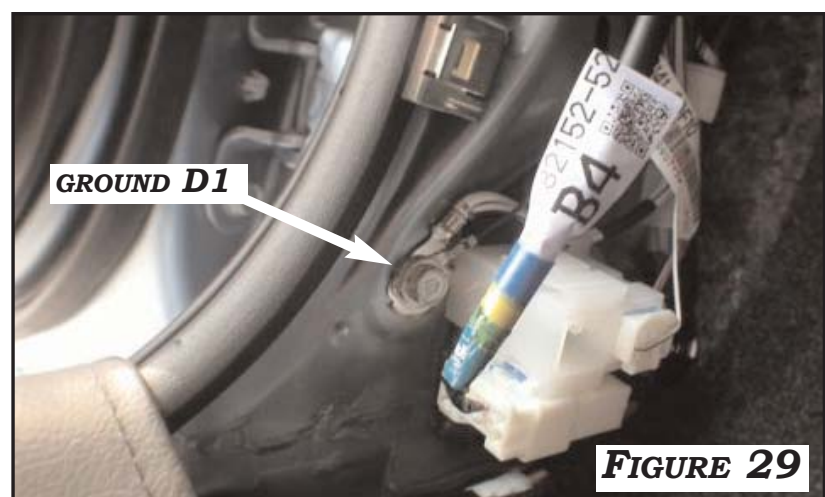
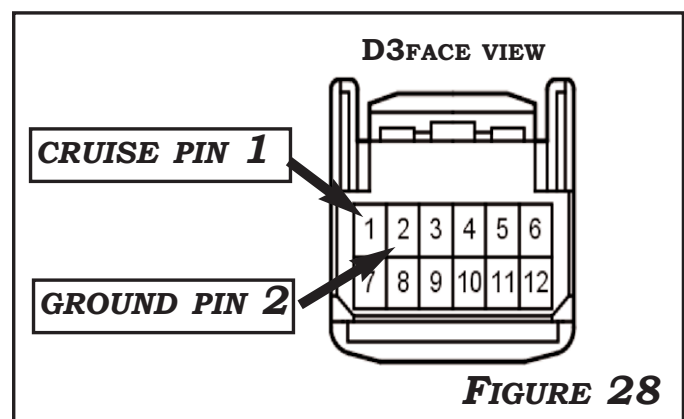
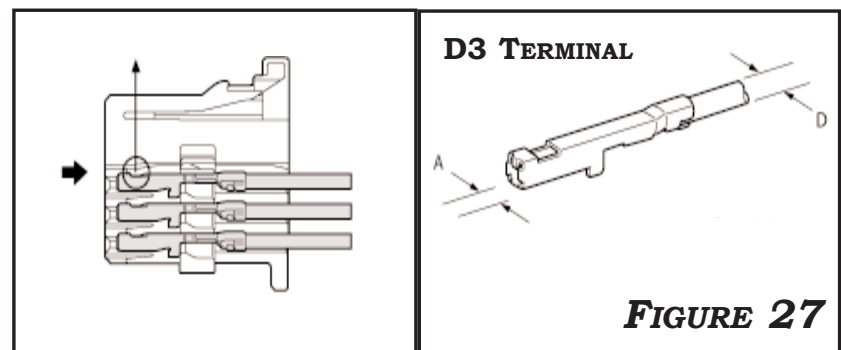


1. REINSTALL AIRBAG. TORQUE SCREWS TO 78 IN. LBS.



2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO **3 FT*LBS.**

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

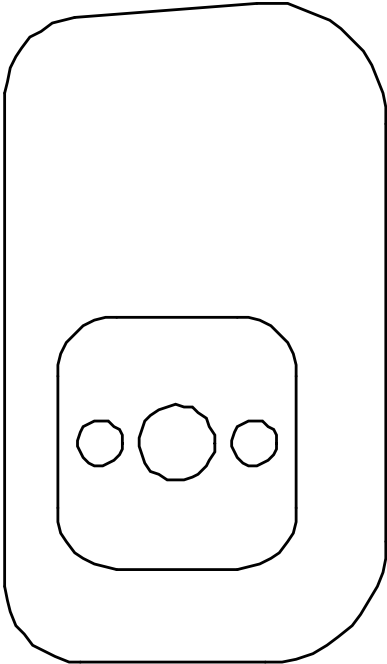


NOTES

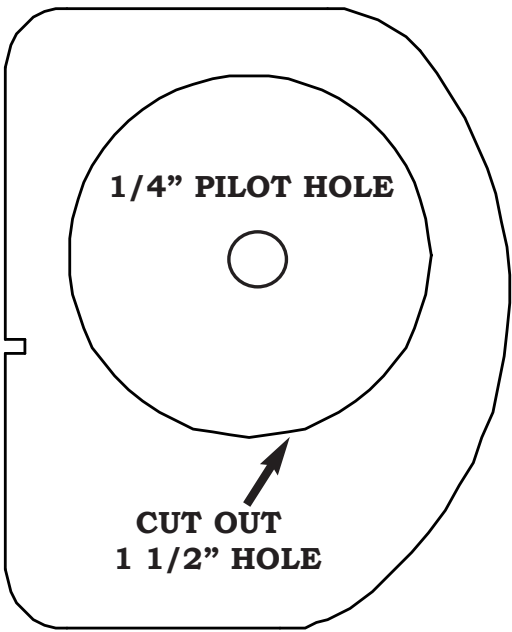
NOTES

TEMPLATES

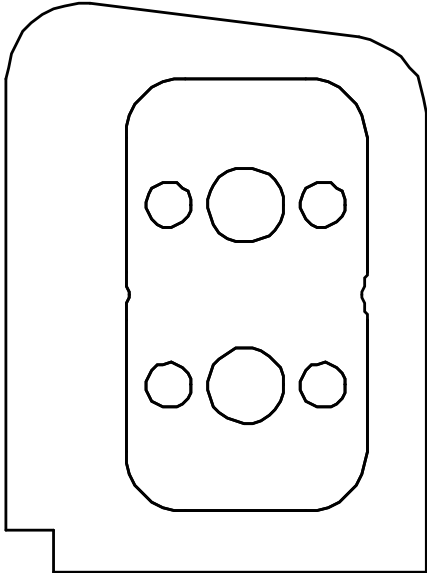
COROLLA TEMPLATE



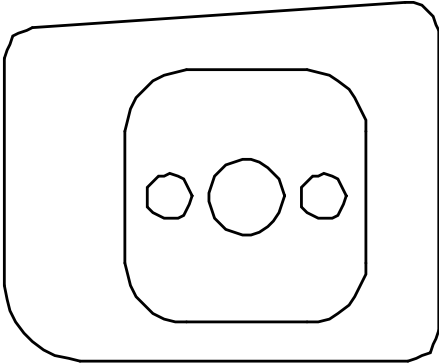
TACOMA TEMPLATE



PRIUS TEMPLATE



TUNDRA TEMPLATE



YARIS TEMPLATE

