

PART NUMBER: 250-1731



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 YARIS MODELS

SERVICE PARTS

ITEM	PART#	DESCRIPTION
1	250-2706	COROLLA ECM HARNESSES
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.

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.

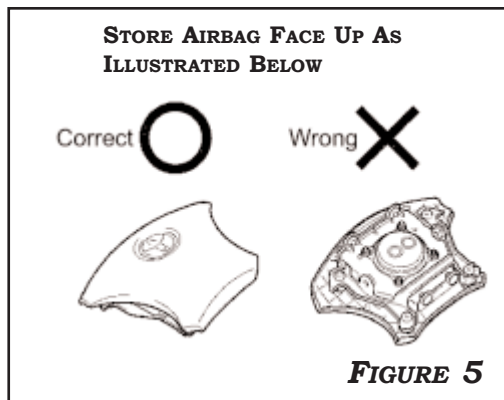
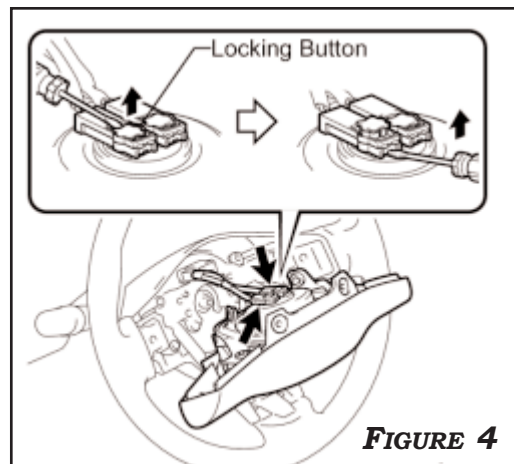
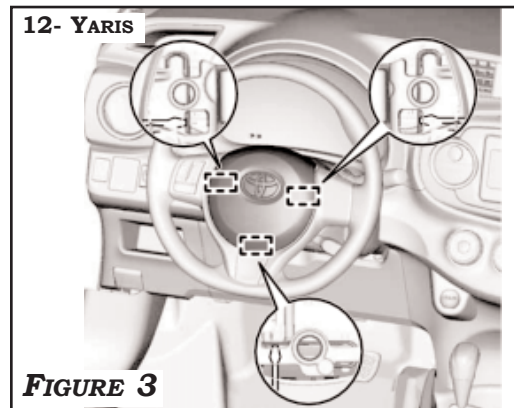
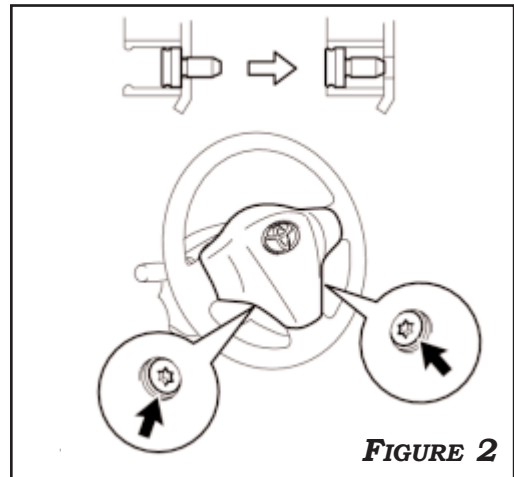
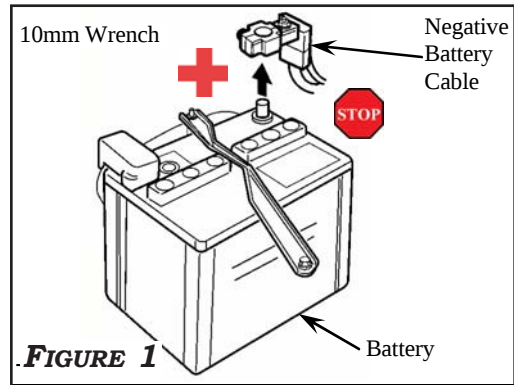


2. REMOVE AIRBAG BY EXTRACTING THE TWO 30 TORX SCREWS AS ILLUSTRATED IN **FIGURE 2**. **FOR 2012 YARIS:** USING A "TORX" DRIVER, PUSH IN THE 3 SNAP RINGS TO DIS-ENGAGE IT FROM THE 3 PINS. **FIGURE 3**.

3. REMOVE GROUND TERMINAL AND DUMMY HORN/CRUISE CONNECTOR FROM STEERING WHEEL AND DISCARD. **IF GROUND HARNESS FOR HORN IS PRESENT ON A SEPARATE VEHICLE CONNECTOR, LEAVE HORN GROUND CONNECTED.** UTILIZE SMALL SCREWDRIVER TO REMOVE AIRBAG CONNECTORS AS ILLUSTRATED IN **FIGURE 4**.



CAUTION: BE SURE TO STORE AIRBAG FACE UP AS ILLUSTRATED IN **FIGURE 5** TO REDUCE INJURY IN EVENT OF ACCIDENTAL DISCHARGE OF AIRBAG.

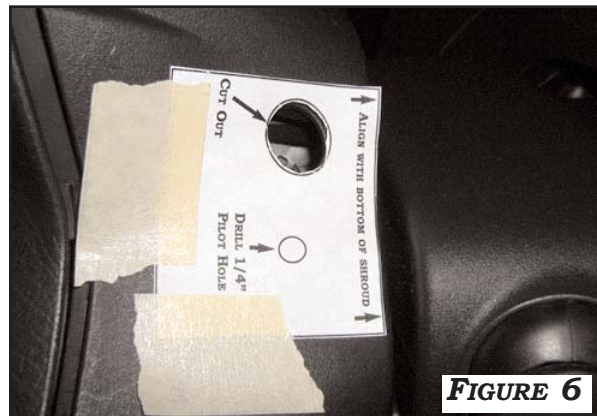


INSTALLATION

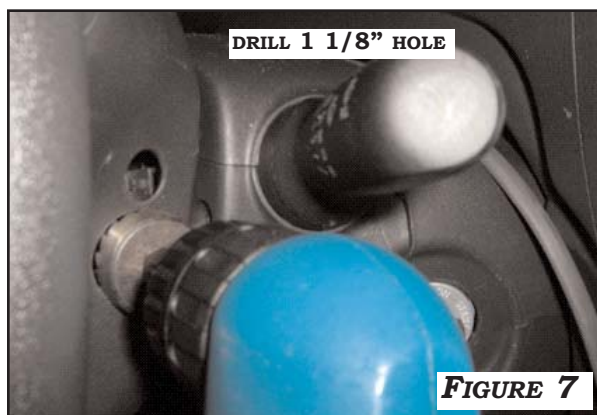
CONTROL SWITCH



1. USE THE **SWITCH HOLE CUTTING TEMPLATE** ON LAST PAGE, PLACE THE TEMPLATE ON THE RIGHT SIDE OF THE STEERING SHROUD AS SHOWN AND DRILL TWO A **(1/4")** PILOT HOLE. **FIGURE 6.**

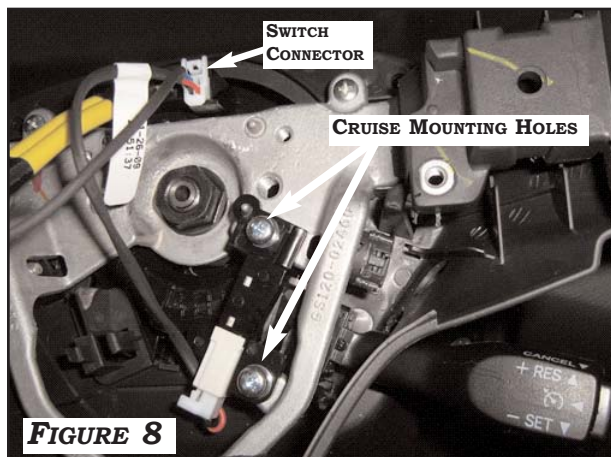


2. REMOVE YARIS SWITCH HOLE CUTTING TEMPLATE. USE A 1 1/8" HOLE SAW TO DRILL SWITCH HOLE. **FIGURE 7.**



3. MOUNT CRUISE CONTROL SWITCH WITH TWO (2) PHILLIPS SCREWS PROVIDED. **IF GROUND HARNESS FOR HORN IS PRESENT ON A SEPARATE VEHICLE CONNECTOR, REMOVE HORN GROUND FROM CRUISE HARNESS.** PLUG IN CRUISE SWITCH CONNECTOR ENSURING TO RE-CONNECT GROUND TERMINAL. **FIGURES 8-9**

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



TESTING

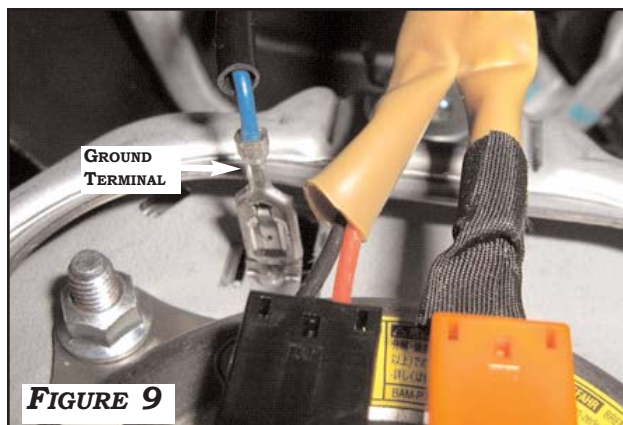


1. REINSTALL AIRBAG. TORQUE SCREWS TO 78 IN. LBS.



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, COMPLETE INSTALLATION ON PAGE 6 USING SMALL PARTS PACKAGE.



INSTALLATION

NOTE

FOR MANUAL TRANSMISSION YARIS, USE ROSTRA CLUTCH DISENGAGEMENT SWITCH AND CLUTCH HARNESS KIT 250-4206 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 10-11

2. FOR MANUAL TRANSMISSION YARIS ONLY: LOCATE CONNECTOR **A29** OR (**A67** FOR 12 YARIS HB) BETWEEN THE JUNCTION BOX AND BRAKE SWITCH. **FIGURE 12.** **NOTE: IF CONNECTOR IS NOT PRESENT, GO TO NEXT PAGE.** CONNECT ONE OF THE TWO **VIOLET WIRES** FROM THE CLUTCH DISENGAGEMENT SWITCH TO THE **BLACK** WIRE IN **PIN 1** OF CONNECTOR **A29**. CONNECT THE OTHER **VIOLET WIRE** TO THE **BLUE** OR **RED** WIRE IN **PIN 2** OF CONNECTOR **A29**. SECURE CLUTCH SWITCH HARNESS WITH WIRE TIES.

YARIS CLUTCH

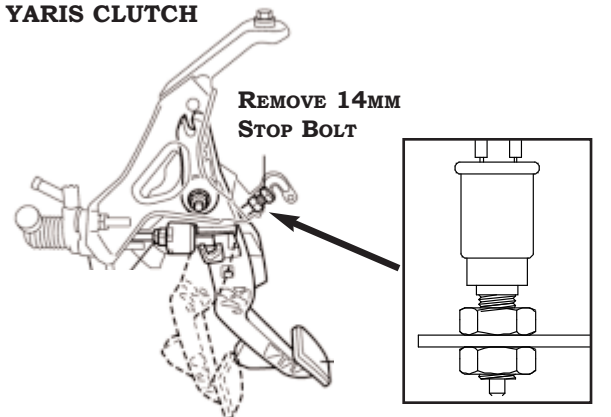


FIGURE 10

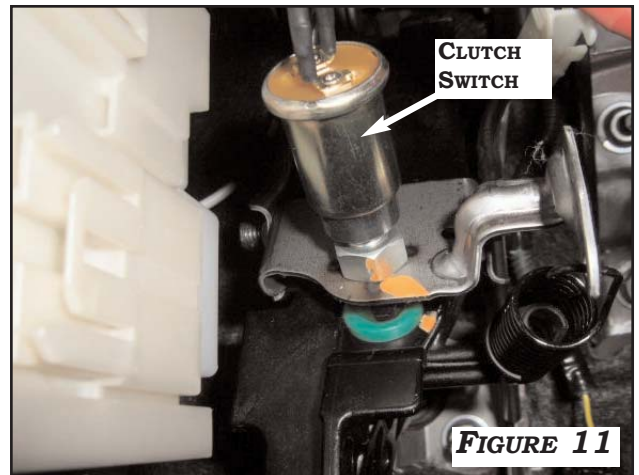


FIGURE 11

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, COMPLETE INSTALLATION ON PAGE 6 USING SMALL PARTS PACKAGE.

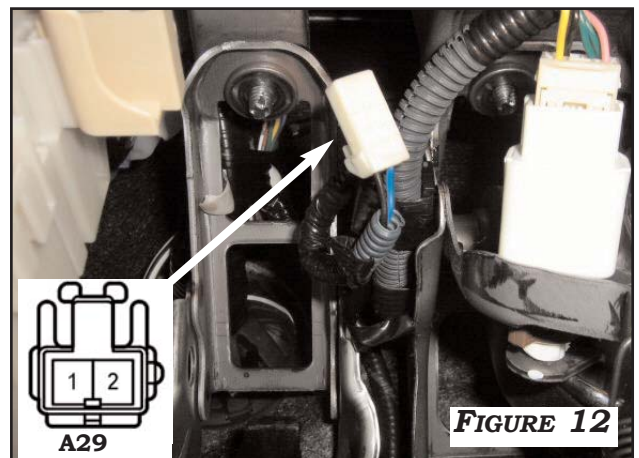


FIGURE 12

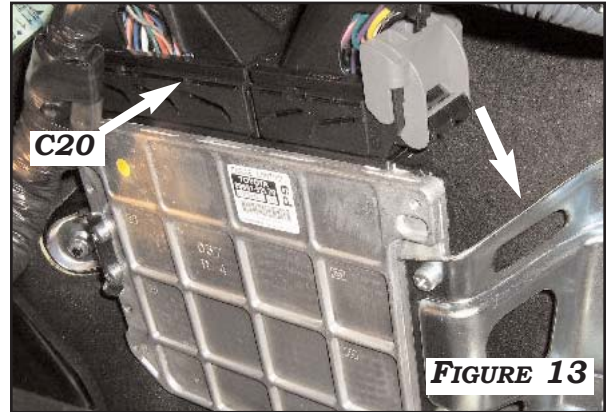
INSTALLATION

CLUTCH ECM HARNESS



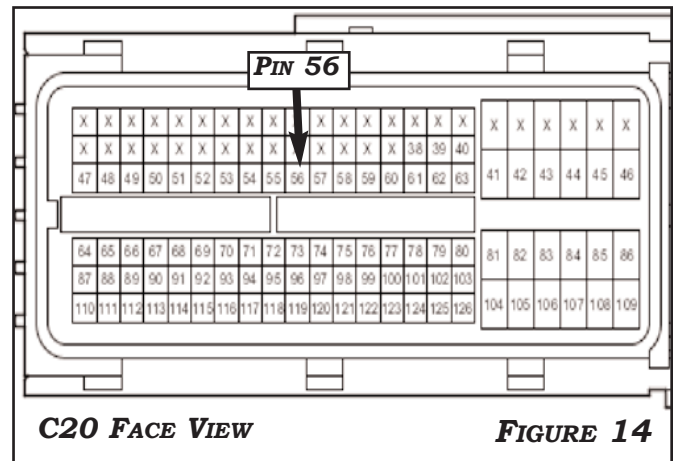
FOR VEHICLES WITHOUT CLUTCH HARNESS WIRING

1. LOCATE LEFT BLACK ECM CONNECTOR **C20** IN THE ENGINE COMPARTMENT ON THE PASSENGER SIDE FIREWALL. **FIGURE 13** REMOVE CONNECTOR AND WIRE COVER. **BE SURE TO PULL OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR WITH PRECISION TOOL.** USE BROWN ECM HARNESS IN SACK PART AND INSERT TERMINAL IN **PIN 56** (CLUTCH CIRCUIT) OF CONNECTOR **C20**. **NOTE: IF BLUE WIRE IS PRESENT, CONNECT BROWN CRUISE ECM WIRE TO BLUE WIRE IN PIN 56.** **FIGURE 14**



2. ROUTE THE BROWN CRUISE ECM WIRE THROUGH GROMMET ON FIREWALL TO THE CLUTCH AREA ALONG THE EXISTING VEHICLE WIRING. **NOTE: THE CRUISE ECM WIRE WILL MAY REQUIRE ADDING WIRE TO EXTEND TO CLUTCH AREA.**

3. CONNECT BROWN ECM HARNESS TO ONE OF THE TWO VIOLET WIRES OF THE CLUTCH DISENGAGEMENT SWITCH. CONNECT OTHER VIOLET WIRE TO **BLACK WIRE** IN **PIN 24** (CLUTCH IGNITION CIRCUIT) OF CONNECTOR **4B** AT JUNCTION BOX. **FIGURE 15**



TESTING

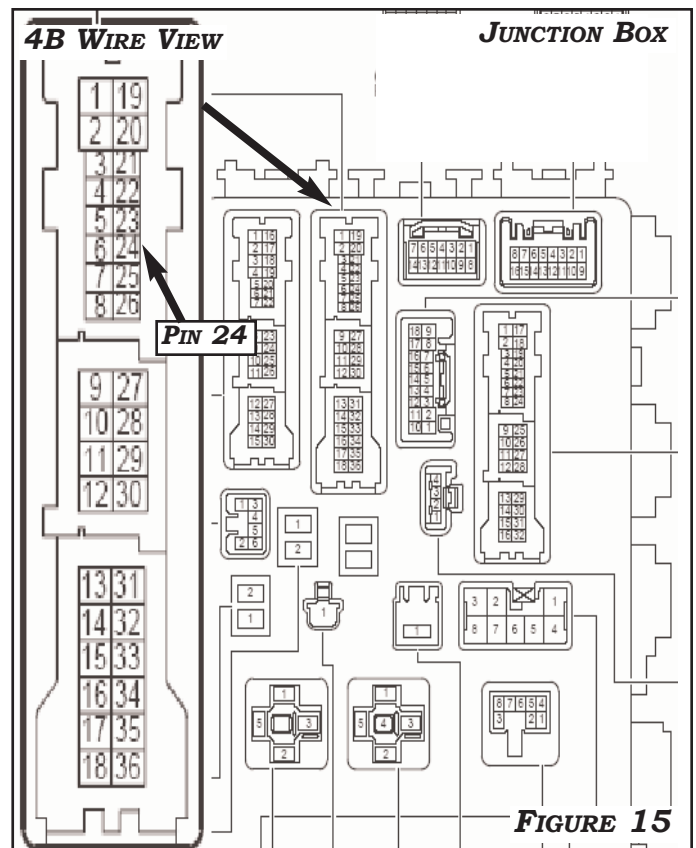


1. REINSTALL AIRBAG. TORQUE SCREWS TO 78 IN. LBS.



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, COMPLETE INSTALLATION ON NEXT PAGE USING SMALL PARTS PACKAGE.



INSTALLATION



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.

CRUISE ECM HARNESS



1. REMOVE 2 SCREWS AND REMOVE THE STEERING WHEEL SHROUD COVER. **FIGURE 16**



FIGURE 16

2. LOCATE BLACK ECM CONNECTOR **A21** OR (**A72 12 YARIS HATCH BACK**) IN THE ENGINE COMPARTMENT ON THE PASSENGER SIDE FIREWALL. **FIGURE 17** REMOVE CONNECTOR AND WIRE COVER. **BE SURE TO PULL OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR WITH PRECISION TOOL. FIGURE 18** LOCATE BLACK CRUISE ECM HARNESS IN SACK PART. INSERT TERMINAL WITH PURPLE SEAL INTO PIN **40** OR PIN **60** FOR **12 YARIS HB**(CRUISE CIRCUIT) OF CONNECTOR **A21** OR **A72**. IF BLUE OR GREEN WIRE IS PRESENT, **CUT OFF TERMINAL END WITH PURPLE SEAL**. CONNECT BLACK CRUISE ECM WIRE TO **BLUE WIRE PIN 40** OR **GREEN WIRE IN PIN 60**(CRUISE CIRCUIT) OF CONNECTOR **A21** OR **A72**. **FIGURES 19-20**

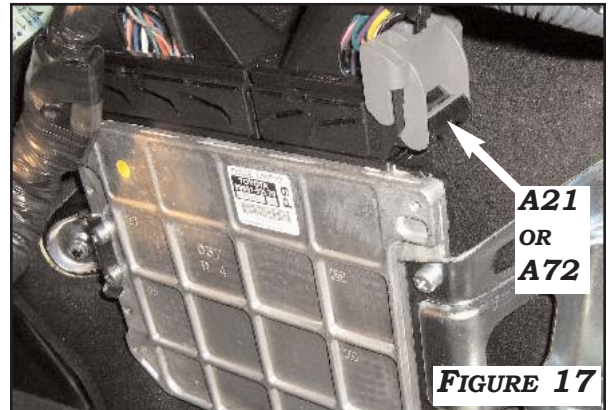


FIGURE 17

3. ROUTE THE CRUISE ECM WIRE TO THE STEERING WHEEL AREA ALONG THE EXISTING VEHICLE WIRING. **NOTE: THE CRUISE ECM WIRE WILL MAY REQUIRE ADDING WIRE TO EXTEND TO STEERING WHEEL.**

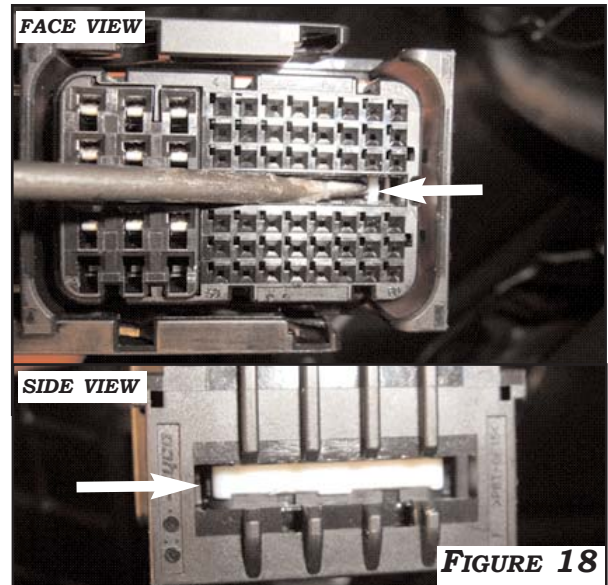
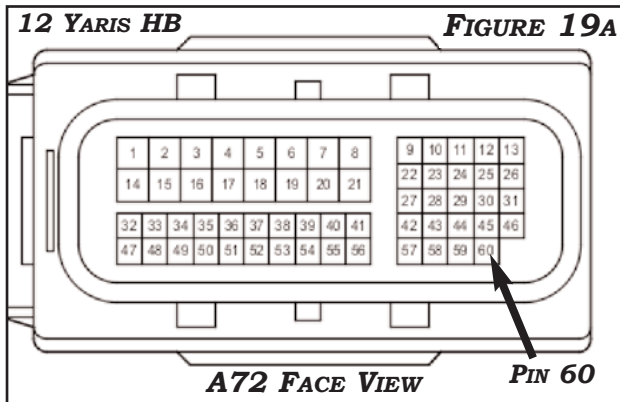


FIGURE 18

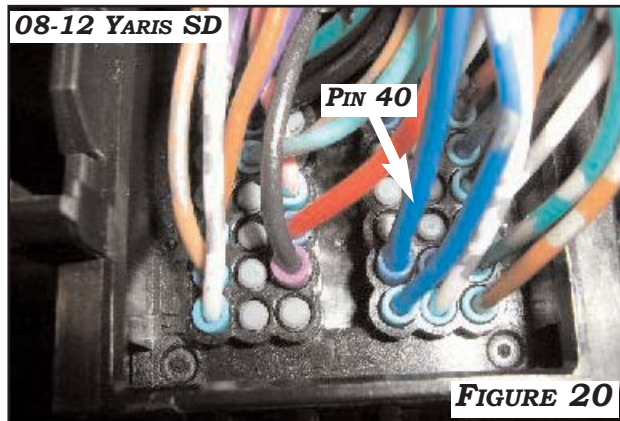


FIGURE 20

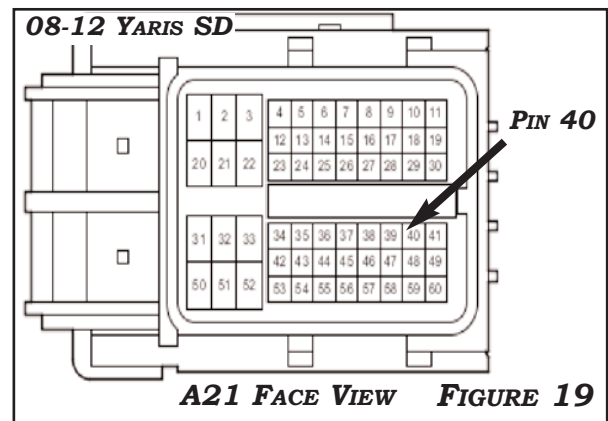


FIGURE 19

INSTALLATION

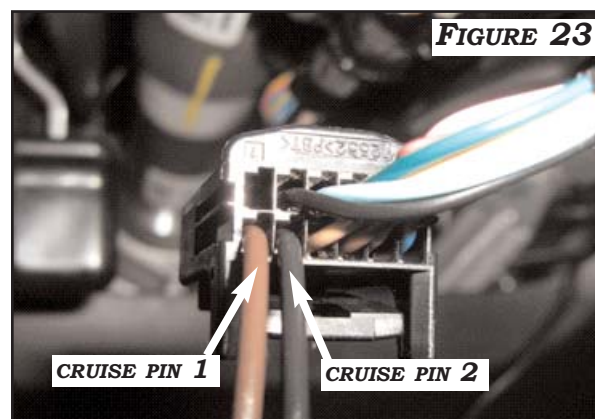
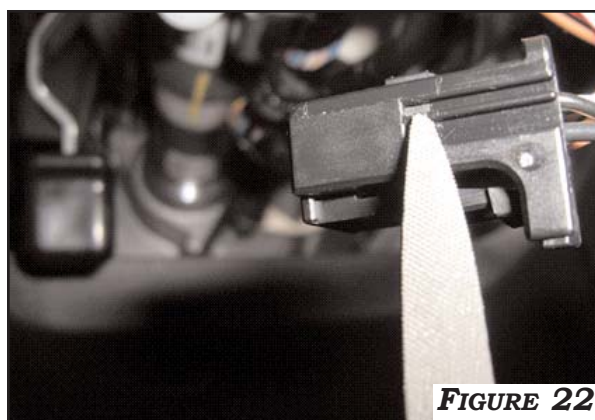
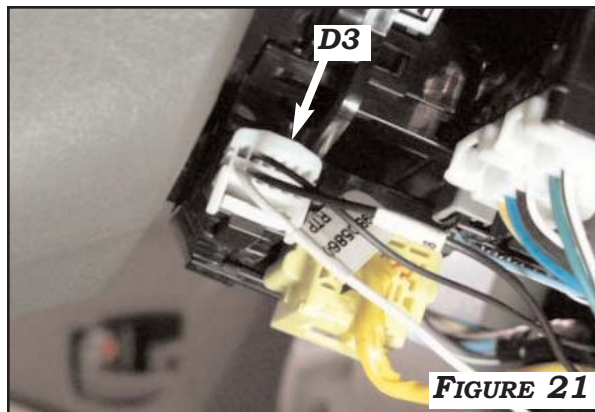
CRUISE ECM HARNESS



5. LOCATE WHITE OR BLACK CONNECTOR **D3** BEHIND STEERING WHEEL AT RIGHT SIDE OF SUB ASSEMBLY. **FIGURE 21**. REMOVE CONNECTOR. **BE SURE TO PUSH OUT TERMINAL RETAINER AT THE CENTER OF CONNECTOR. FIGURE 22.** INSERT THE **D3 TERMINAL** FROM THE BLACK CRUISE ECM WIRE TO **PIN 1** (CRUISE CIRCUIT) OF CONNECTOR **D3**. **FIGURES 23**

6. INSERT THE **D3 TERMINAL** FROM CRUISE GROUND WIRE INTO **PIN 2** (CRUISE GROUND) OF CONNECTOR **D3** CAREFULLY LOCKING TERMINAL INTO PLACE. **FIGURE 23**. PULL THE TERMINALS BACK GENTLY TO CHECK WHETHER IT IS LOCKED CORRECTLY. 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 24**. 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.

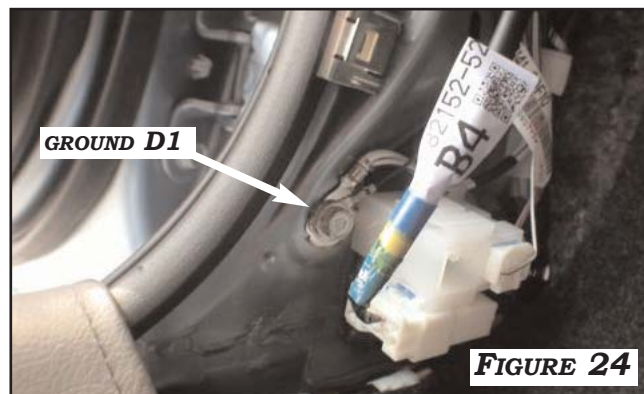


2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO **3 FT*LBS.**

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. NOTE: **SOME 08 YEAR MODEL VEHICLES DO NOT HAVE A CRUISE INDICATOR LIGHT IN DASH. TEST WITH A MULTI-METER FOR 12 VOLTS IGNITION POWER BETWEEN PINS 1 & 2 OF CLOCKSPRING CONNECTOR.**

- A. KEY ON, PRESS CRUISE SWITCH 'ON' AND HOLD: 0 VOLTS.
- B. KEY ON, PRESS CRUISE SWITCH 'SET' AND HOLD: 6 VOLTS.
- C. KEY ON, PRESS CRUISE SWITCH 'RESUME' AND HOLD: 3 VOLTS.

IF VOLTAGE IS PRESENT, TEST DRIVE VEHICLE FOR CRUISE OPERATION.





YARIS TEMPLATE

