TOYOTA Service Bulletin

Section : Body
Ref. No. : B–2010
Date : Jun., 2002
Page : 1 of 17

Area Application : General, G.C.C. Countries, Australia

Model Name : LAND CRUISER

Model Code : FZJ 71, 74, 79, HZJ 71, 74, 76, 79, HDJ 78, 79

Subject : SUPPLEMENTAL FOR REPAIR MANUAL

(Wheel Opening Moulding, Instrument panel)

This Service Bulletin is to inform you of the wheel opening moulding and instrument panel repair procedures for LAND CRUISER due to change from July 2002 model.

For all the other procedures, please refer to the following Repair Manual.

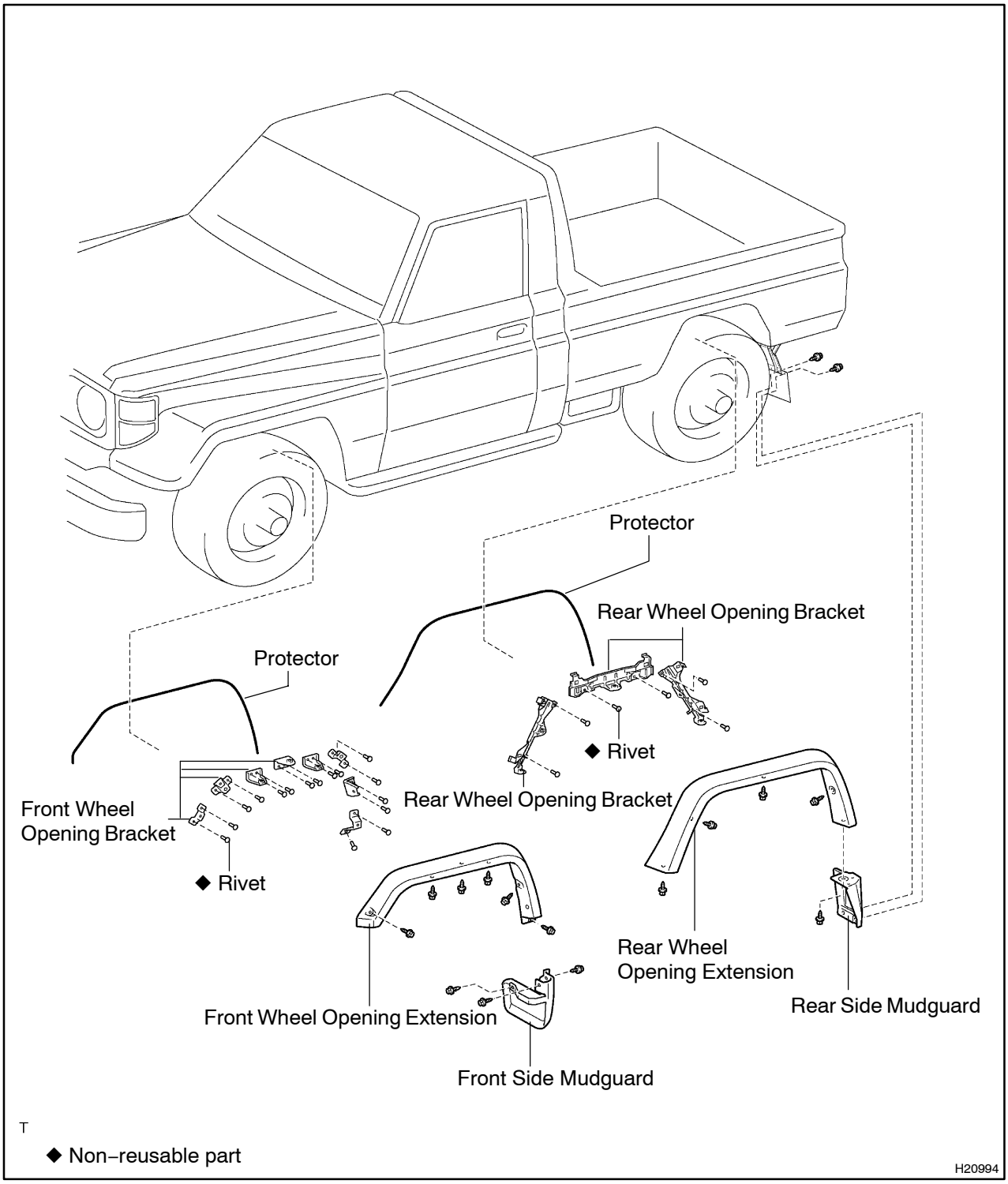
Pub. No.	Publication Name
RM183E	TOYOTA LAND CRUISER Chassis and Body Repair Manual
RM290E	TOYOTA LAND CRUISER Chassis and Body Supplement Repair Manual
RM315E	TOYOTA LAND CRUISER Chassis and Body Supplement Repair Manual
RM730E	TOYOTA LAND CRUISER Chassis and Body Supplement Repair Manual

Production Effective :

Frame No.	Production Date
–	From July, 2002

WHEEL OPENING MOULDING

COMPONENTS



T

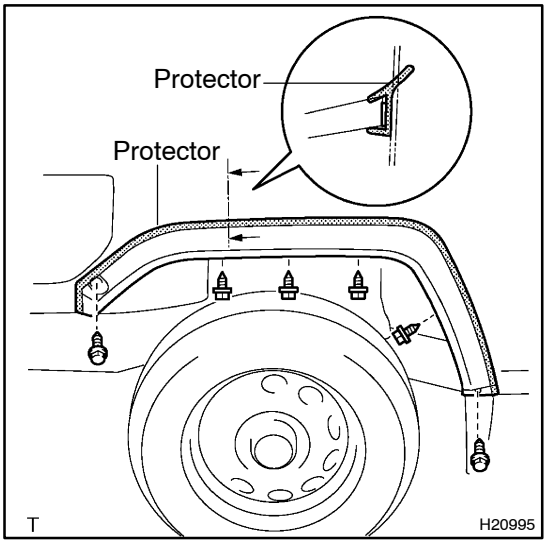
◆ Non–reusable part

H20994

REMOVAL

1. REMOVE FRONT SIDE MUDGUARD

Remove the 3 screws and front side mudguard.



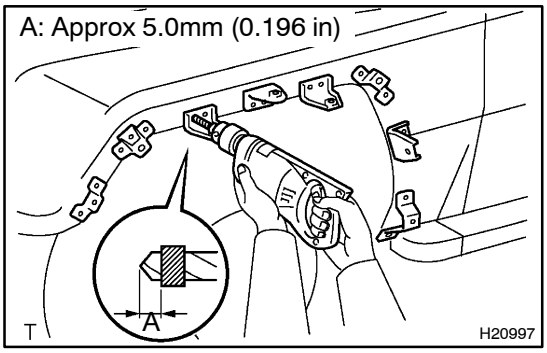
2. REMOVE FRONT WHEEL OPENING EXTENSION

(a) Remove the 6 screws.

(b) Remove the front wheel opening extension.

NOTICE:

If the protector are damaged, exchange them for new protector.



(c) Using a drill, cut the flange portion of the rivet.

HINT:

Wind tape at a position of approx. 5.0 mm (0.196 in.) from the edge of the drill blade appears.

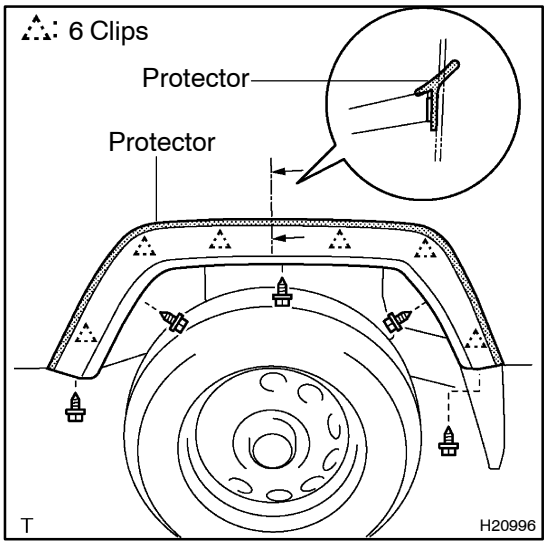
NOTICE:

- **If the drill is pressed too firmly, the rivet will also rotate with the drill edge, thus the flange will not be cut.**
- **If the drill is pried against the rivet, the installation hole of the rivet may be cut or the drill blade may be damaged.**
- **Be careful with the hot rivet after cut.**

(d) Remove the front wheel opening brackets.

3. REMOVE REAR SIDE MUDGUARD

Remove the 3 screws and rear side mudguard.



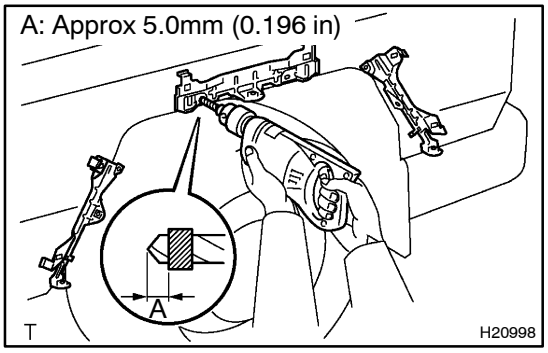
4. REMOVE REAR WHEEL OPENING EXTENSION

(a) Remove the 4 screws.

(b) Remove the rear wheel opening extension.

NOTICE:

- **If the clips are damaged, exchange them for new clips.**
- **If the protector are damaged, exchange them for new protector.**



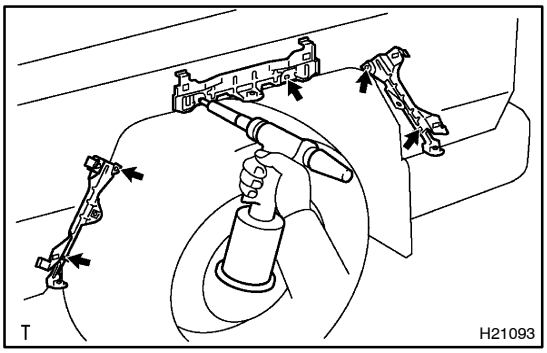
(c) Using a drill, cut the flange portion of the rivet.

HINT:

Wind tape at a position of approx. 5.0 mm (0.196 in.) from the edge of the drill blade appears.

NOTICE:

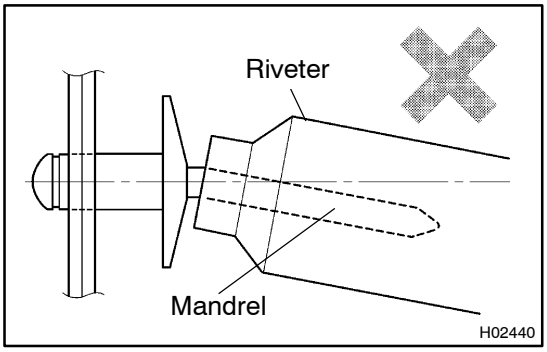
- **If the drill is pressed too firmly, the rivet will also rotate with the drill edge, thus the flange will not be cut.**
- **If the drill is pried against the rivet, the installation hole of the rivet may be cut or the drill blade may be damaged.**
- **Be careful with the hot rivet after cut.**



INSTALLATION

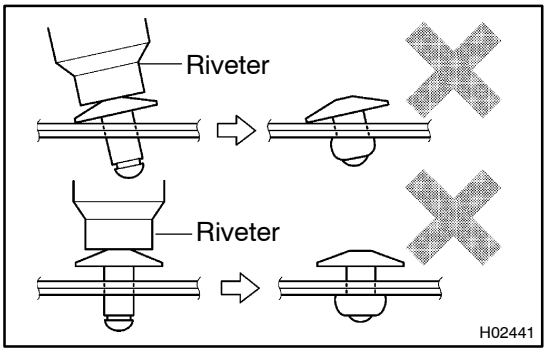
1. INSTALL REAR WHEEL OPENING EXTENSION

(a) Rivet the rear wheel opening brackets onto the body using a pneumatic riveter or hand riveter.

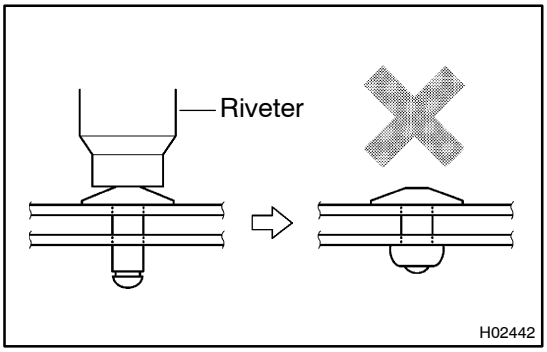


NOTICE:

- **Do not prize a riveter, because the riveter will be damaged, and the mandrel will be bent.**



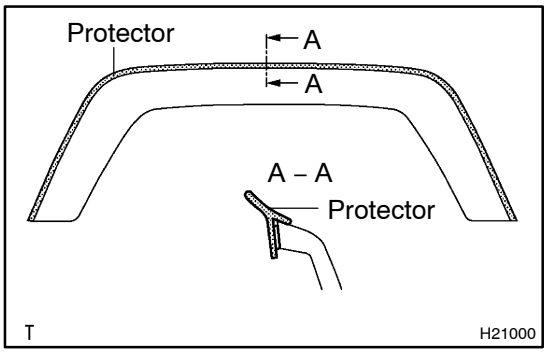
- **Do not tilt the riveter when installing the rivet, because the materials will not be tightened firmly.**



- **Install the rivet while attaching materials, so that there will be no space between them.**

(b) Clean the body mounting surface.

(1) Wipe off the stains with cleaner.



(2) Install a protector new as shown in the illustration.

(c) Install the rear wheel opening extension.

(1) Align the bosses with their corresponding holes on the body and press the extension firmly.

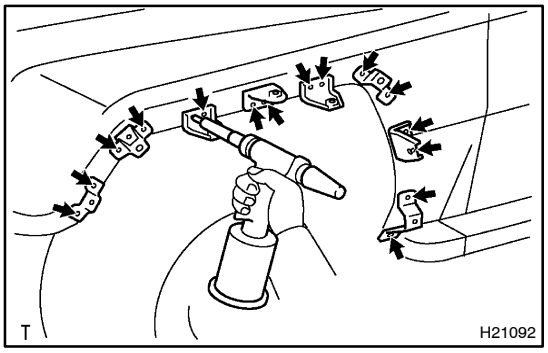
NOTICE:

Do not apply excessive force onto the extension, but steady pressure with your thumbs.

(2) Install the 4 screws.

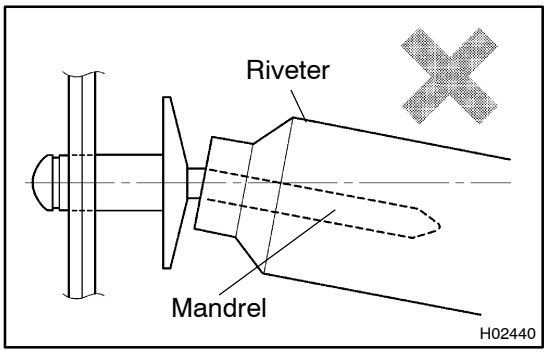
2. INSTALL REAR SIDE MUDGUARD

Install the rear side mudguard with the 3 screws.



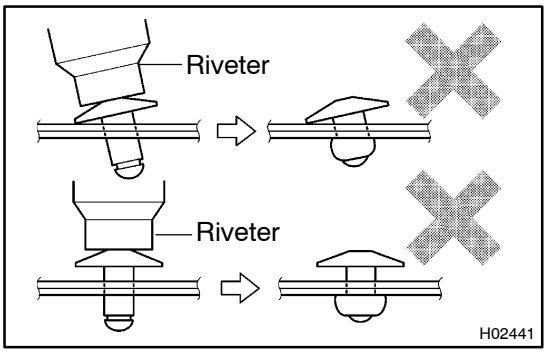
3. INSTALL FRONT WHEEL OPENING EXTENSION

(a) Rivet the front wheel opening brackets onto the body using a pneumatic riveter or hand riveter.

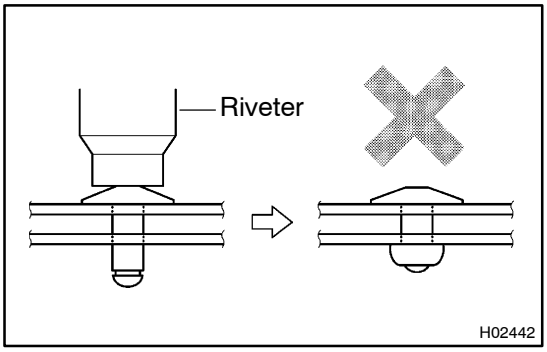


NOTICE:

- **Do not prize a riveter, because the riveter will be damaged, and the mandrel will be bent.**



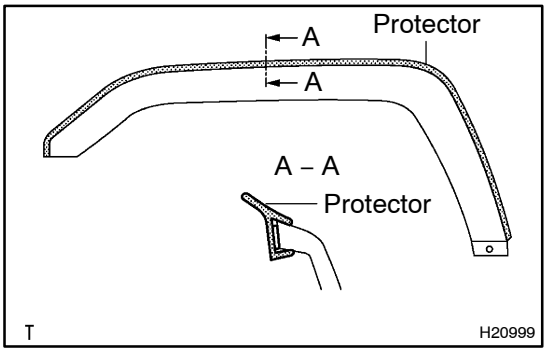
- **Do not tilt the riveter when installing the rivet, because the materials will not be tightened firmly.**



- **Install the rivet while attaching materials, so that there will be no space between them.**

(b) Clean the body mounting surface.

(1) Wipe off the stains with cleaner.



(2) Install a new protector as shown in the illustration.

(c) Install the front fender outside moulding.

(1) Align the bosses with their corresponding holes on the body, and press the moulding firmly.

NOTICE:

Do not apply excessive force onto the moulding, but steady pressure with your thumbs.

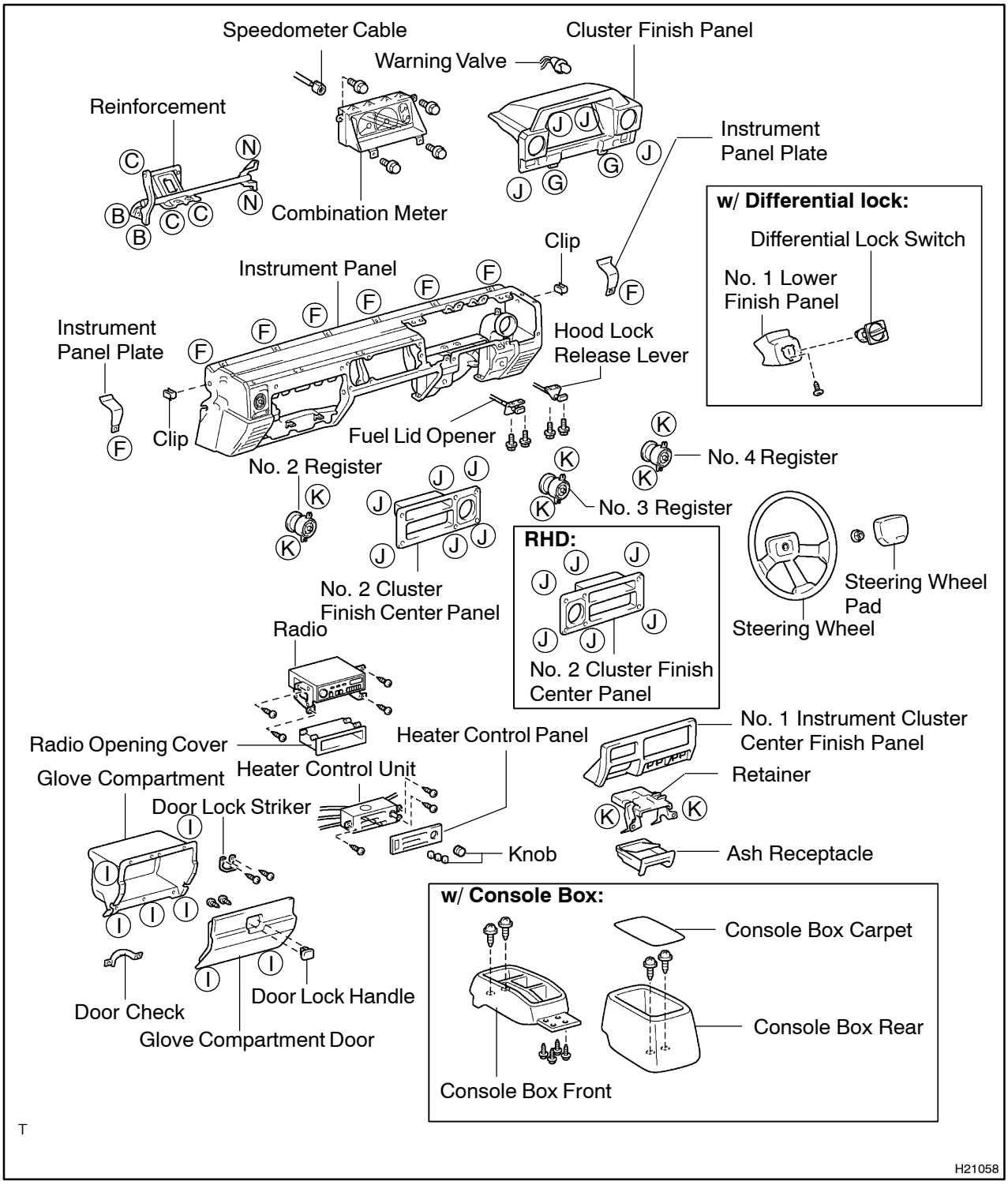
(2) Install the 6 screws.

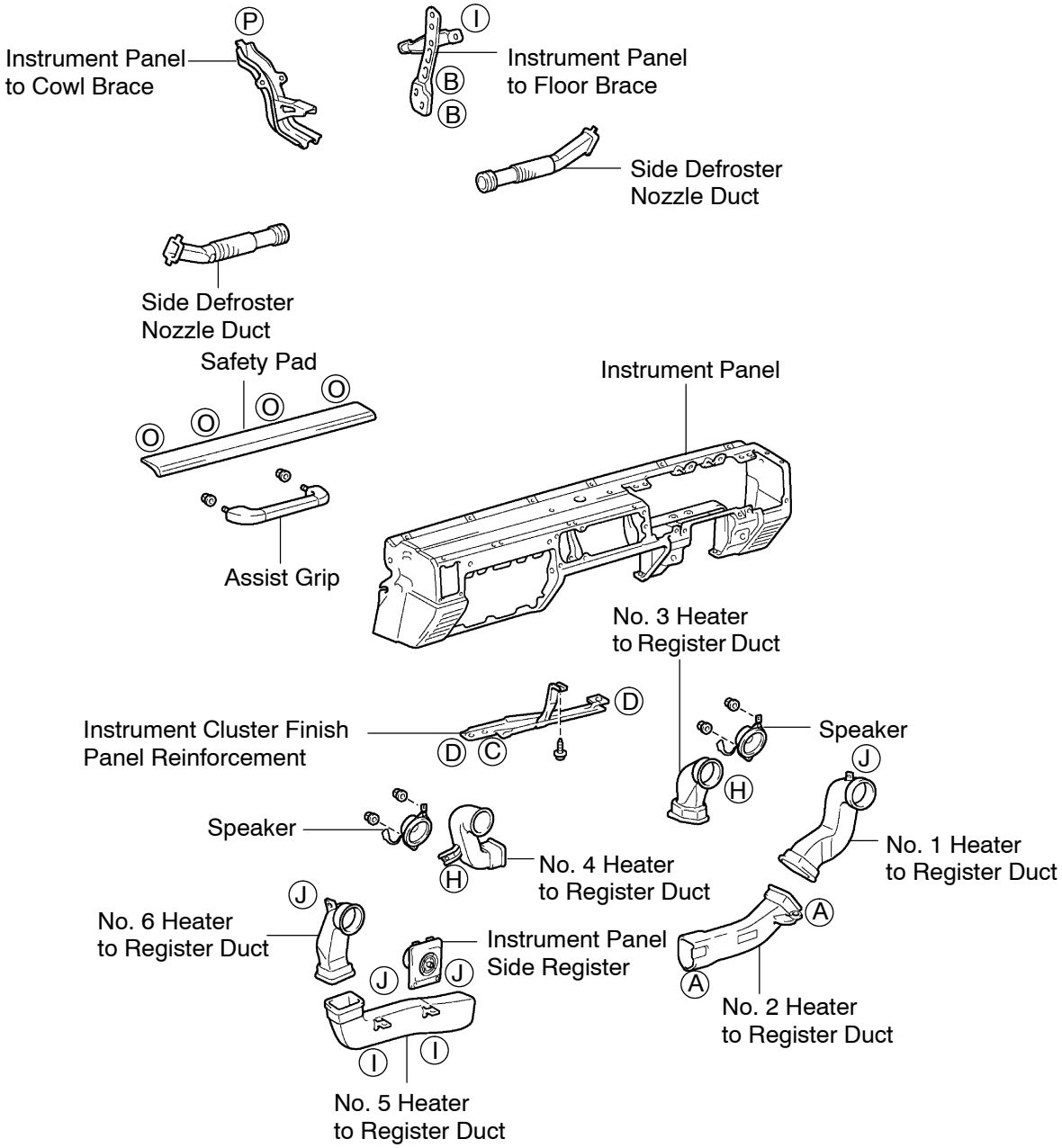
4. INSTALL FRONT SIDE MUDGUARD

Install the front side mudguard with the 3 screws.

(a) Remove the rear wheel opening brackets.

INSTRUMENT PANEL
COMPONENTS



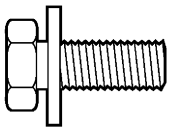
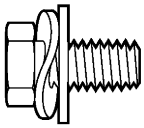
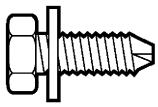
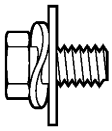
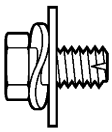
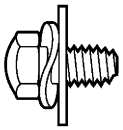
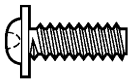
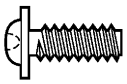
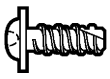
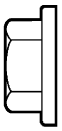
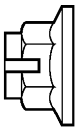

Instrument Panel to Cowl Brace
P
Instrument Panel to Floor Brace
I
B
B
Side Defroster Nozzle Duct
Side Defroster Nozzle Duct
Safety Pad
O
O
O
O
Assist Grip
Instrument Panel
No. 3 Heater to Register Duct
Instrument Cluster Finish Panel Reinforcement
D
D
C
Speaker
H
J
No. 1 Heater to Register Duct
Speaker
H
No. 4 Heater to Register Duct
J
No. 6 Heater to Register Duct
Instrument Panel Side Register
J
J
A
A
No. 2 Heater to Register Duct
I
I
I
No. 5 Heater to Register Duct

T

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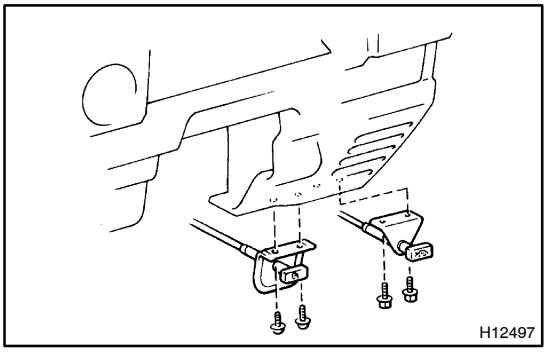
Screw shapes and sizes are indicated in the table below. The codes (”A” – ”P”) correspond to those indicated on the previous pages.

mm (in.)

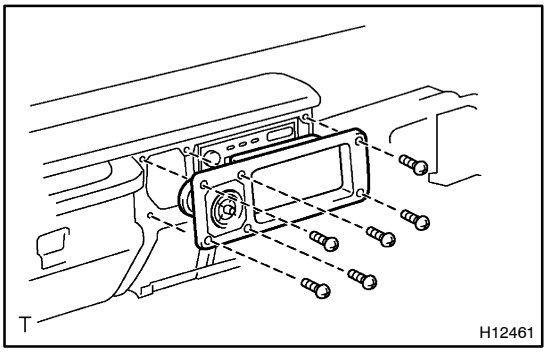
	Code Shape	Size	Code Shape	Size	Code Shape	Size
Ⓐ		L = 20 (0.79) ø = 8 (0.31)	Ⓑ 	L = 16 (0.63) ø = 8 (0.31)	Ⓒ 	L = 18 (0.71) ø = 6 (0.24)
Ⓓ		L = 12 (0.47) ø = 6 (0.24)	Ⓔ 	L = 12 (0.47) ø = 6 (0.24)	Ⓕ 	L = 12 (0.47) ø = 6 (0.24)
Ⓖ		L = 23.2 (0.913) ø = 5 (0.20)	Ⓗ 	L = 15 (0.59) ø = 5 (0.20)	Ⓘ 	L = 14.2 (0.559) ø = 5 (0.20)
Ⓙ		L = 13.5 (0.531) ø = 5 (0.20)	Ⓚ 	L = 12 (0.47) ø = 5 (0.20)	Ⓛ 	L = 10 (0.39) ø = 4 (0.16)
Ⓜ		L = 8 (0.31) ø = 4 (0.16)	Ⓝ 	ø = 8 (0.31)	Ⓞ 	ø = 8 (0.31)
Ⓟ		ø = 6 (0.24)				

REMOVAL

1. **DISCONNECT BATTERY CABLE FROM NEGATIVE TERMINAL**
2. **REMOVE STEERING WHEEL (See Pub. No. RM183E on page SR–4)**
3. **REMOVE STEERING COLUMN COVER**

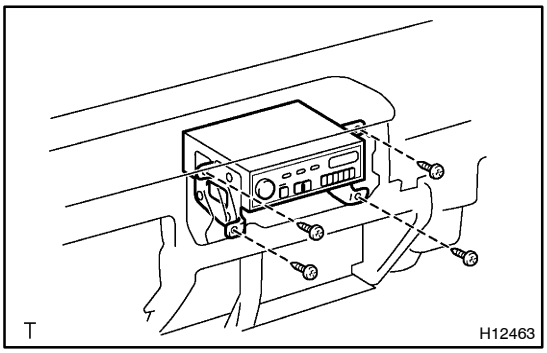


4. **REMOVE HOOD LOCK RELEASE LEVER**
5. **REMOVE FUEL LID OPENER**



6. **REMOVE NO. 2 INSTRUMENT CLUSTER FINISH CENTER PANEL**

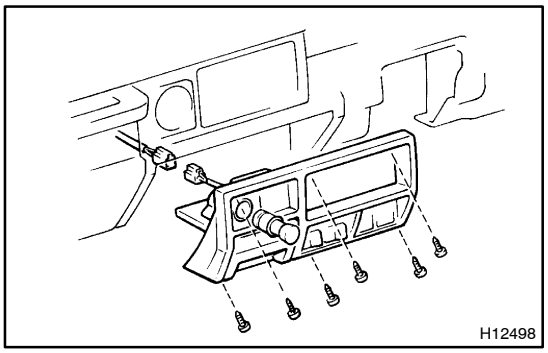
Remove the 6 screws and No.2 instrument cluster finish center panel.



7. **REMOVE RADIO**

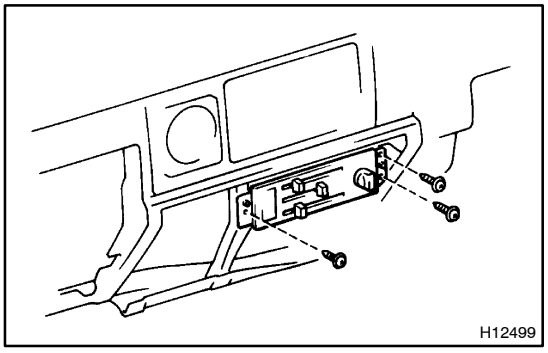
(a) Remove the 4 screws.

(b) Disconnect the connector and antenna cable, and then remove the radio.



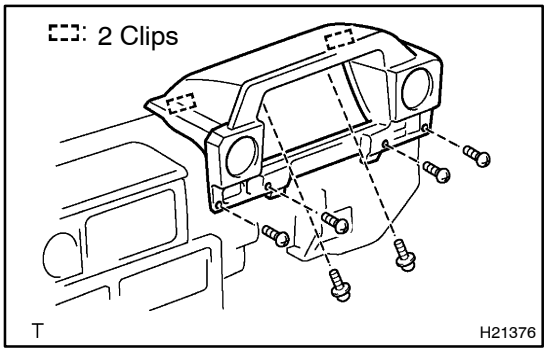
8. REMOVE NO. 1 INSTRUMENT CLUSTER FINISH CENTER PANEL

(a) Remove the 6 screws.
(b) Disconnect the connectors and remove the panel.
(c) Remove the ash receptacle.
(d) Remove the 2 screws and retainer.



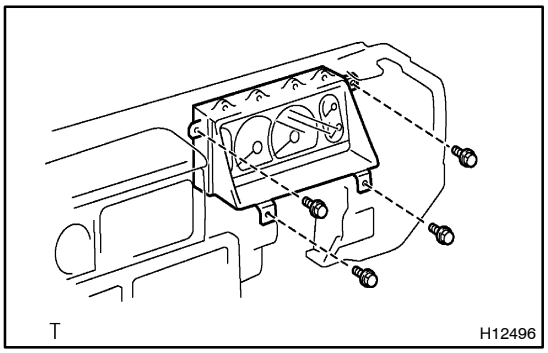
9. REMOVE HEATER CONTROL UNIT

(a) Remove the 4 knobs.
(b) Remove the heater control panel.
(c) Remove the 3 screws and heater control unit.



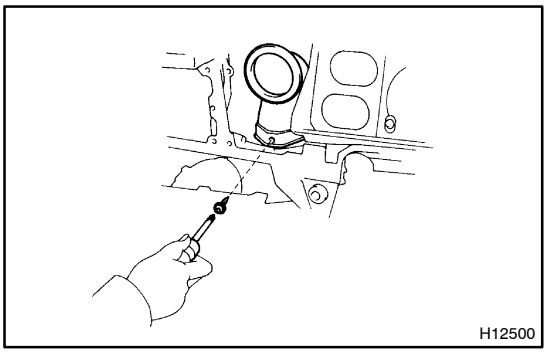
10. REMOVE INSTRUMENT CLUSTER FINISH PANEL

(a) Remove the 6 screws.
(b) Disconnect the connectors and warning valves, and then remove the finish panel.
(c) Remove the 2 screws and No.3 register.
(d) Remove the 2 screws and No.4 register.

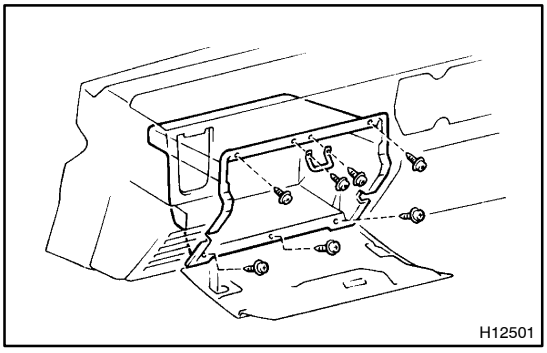


11. REMOVE COMBINATION METER

(a) Remove the 4 screws.

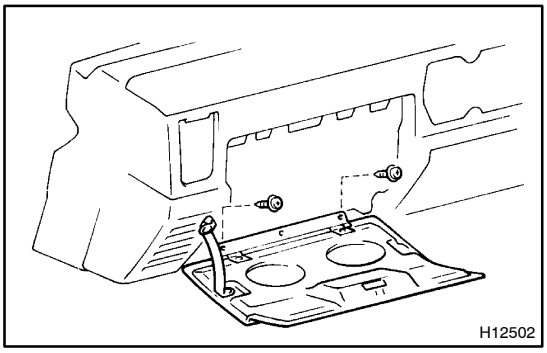


(b) Remove the No. 3 heater to register duct.
(c) Reach into the position where the No. 3 heater to register duct has been removed and disconnect the speedometer cable and the 2 connectors.
(d) Remove the combination meter.



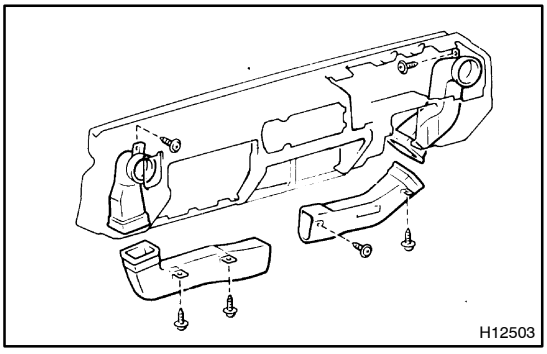
12. REMOVE GLOVE COMPARTMENT

(a) Remove the 2 screws and the door lock striker.
(b) Remove the 5 screws and the glove compartment.



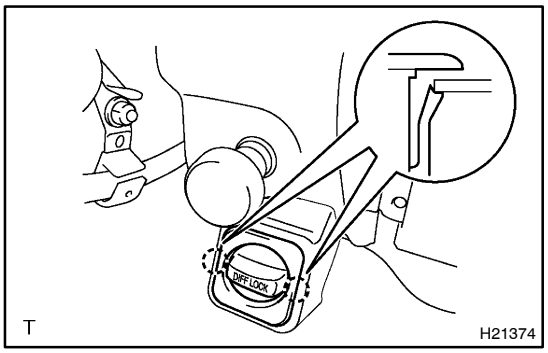
13. REMOVE GLOVE COMPARTMENT DOOR

Remove 2 screws and glove compartment door.



14. REMOVE HEATER TO REGISTER DUCTS

(a) Remove the 2 screws and No.2 heater to register duct.
(b) Remove the 2 screws and No.5 heater to register duct.
(c) Remove the screw and No.6 heater to register duct.
(d) Remove the screw and No.3 heater to register duct.



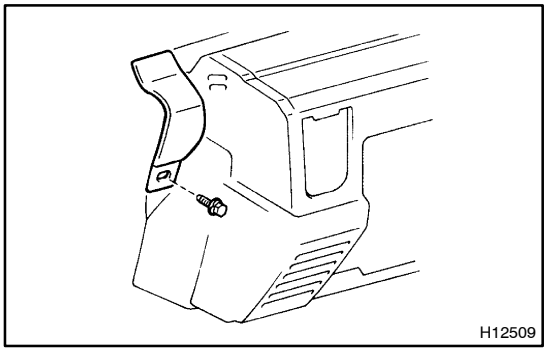
15. w/ Differential lock:
REMOVE No.1 LOWER FINISH PANEL

(a) Using a screwdriver remove the differential lock switch, and then disconnect the connector.

HINT:

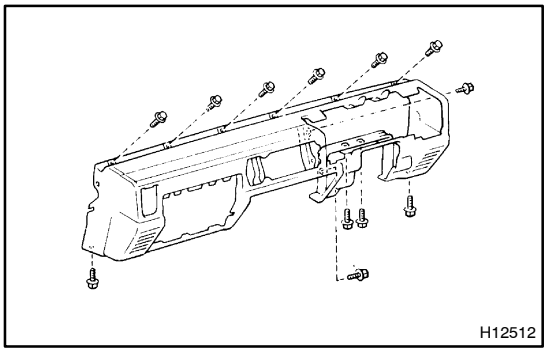
Tape the screwdriver tip before use.

(b) Remove the screw and No.1 lower finish panel.



16. REMOVE INSTRUMENT PANEL PLATES

Remove the 2 bolts and 2 instrument panel plates.



17. REMOVE INSTRUMENT PANEL

(a) Disconnect the connectors and wire harness clamps.

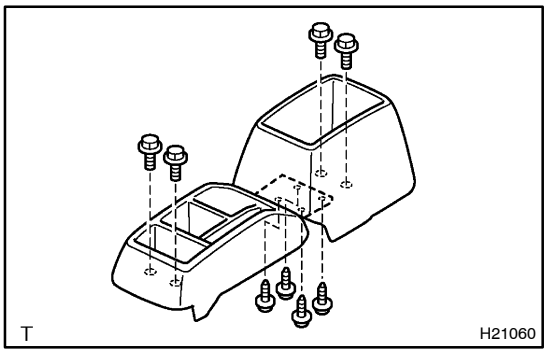
(b) Remove the steering column upper support.

(c) Remove the 12 bolts and the instrument panel.

18. REMOVE REINFORCEMENT

19. REMOVE INSTRUMENT PANEL TO COWL BRACE

20. REMOVE INSTRUMENT PANEL TO FLOOR BRACE



21. w/ Console box:
REMOVE CONSOLE BOX REAR

(a) Remove the console box carpet.

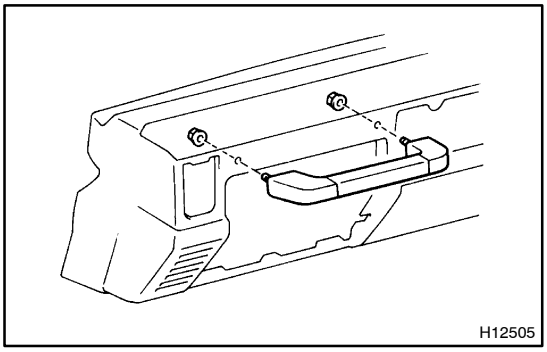
(b) Remove the 4 bolts and console box assembly.

(c) Remove the 4 screws and console box rear.

DISASSEMBLY

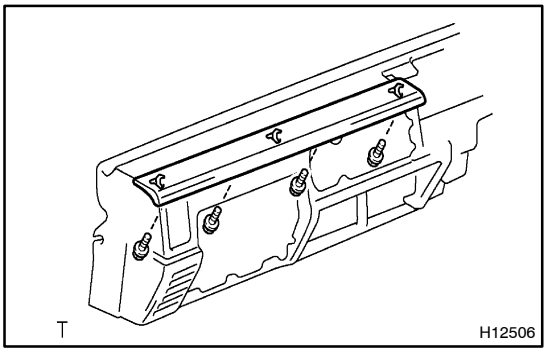
1. REMOVE INSTRUMENT PANEL SIDE REGISTER

2. REMOVE SIDE DEFROSTER NOZZLE DUCTS



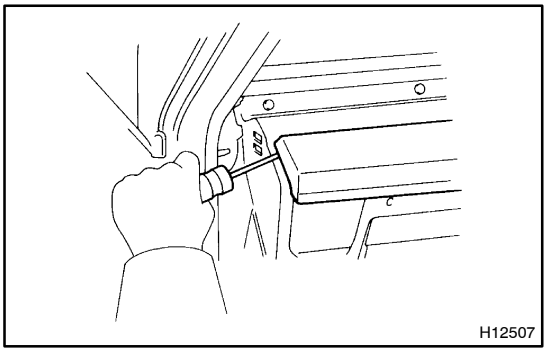
3. REMOVE ASSIST GRIP

Remove the 2 nuts and the assist grip.



4. REMOVE SAFETY PAD

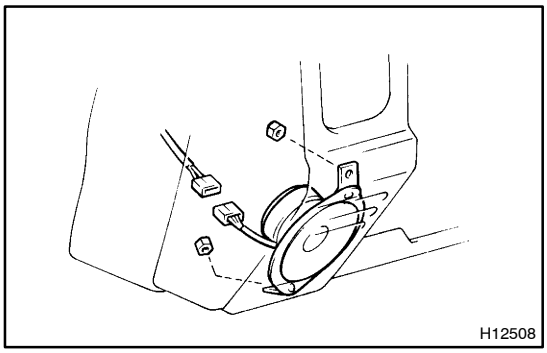
(a) Remove the 4 screws.



(b) Using a screwdriver, pry up the safety pad with the 3 clips disengaged to remove the safety pad.

HINT:

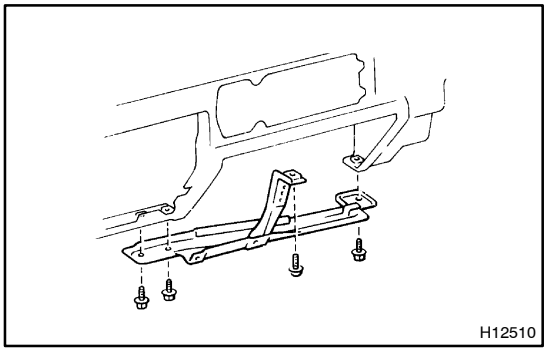
Tape the screwdriver tip before use.



5. REMOVE SPEAKERS

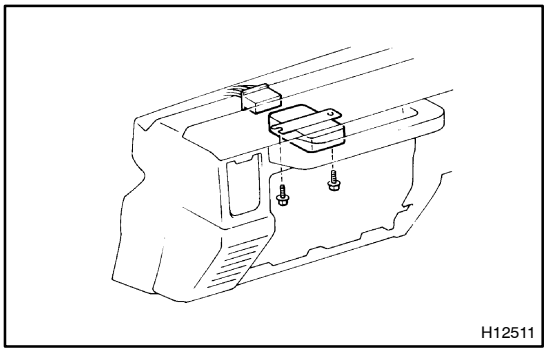
(a) Disconnect the connectors.

(b) Remove the 4 nuts and the 2 speakers.



6. REMOVE INSTRUMENT CLUSTER FINISH PANEL REINFORCEMENT

(a) Remove the 4 bolts and the instrument cluster finish panel reinforcement.



7. REMOVE FOLLOWING PARTS

(a) Europe:

Remove the following parts:

(1) Remove the red hazard indicator relay

(2) Remove the rear fog light relay

(3) Remove the pre–heating timer (HZJ)

(4) Remove the daytime running light relay

(b) Saudi Arabia:

Remove the emission control relay.

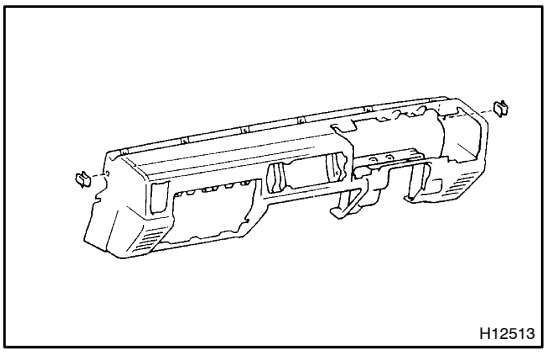
(c) Australia:

Remove the following parts:

(1) Remove the emission control relay

(2) Remove the pre–heating timer (HZJ)

(d) Remove the 3 wiring harness clamps from the instrument panel.



8. REMOVE 2 CLIPS FROM INSTRUMENT PANEL

REASSEMBLY

The reassembly is in the reverse order of the disassembly (See page 15)

INSTALLATION

The installation is in the reverse order of the removal (See page 11)