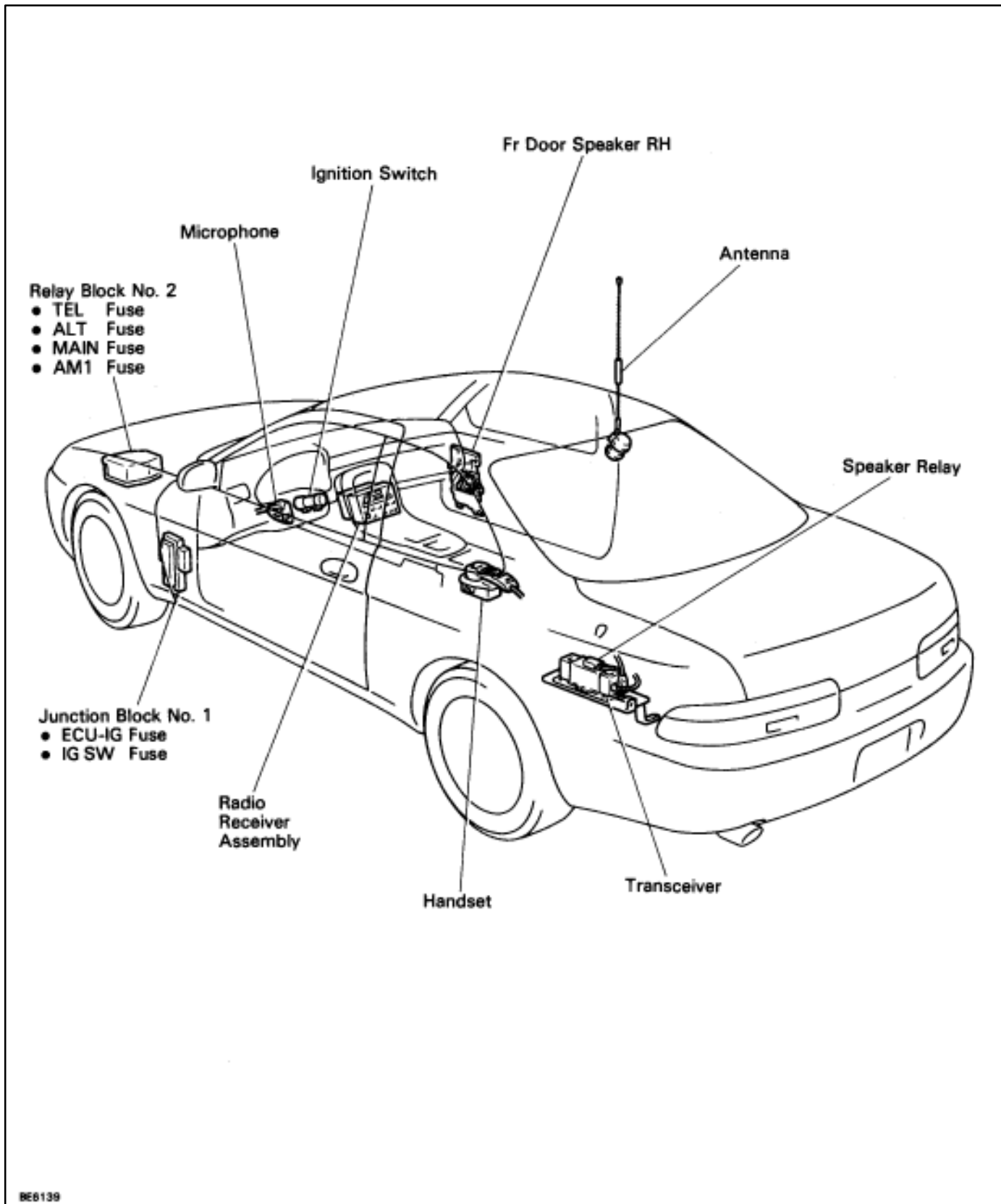
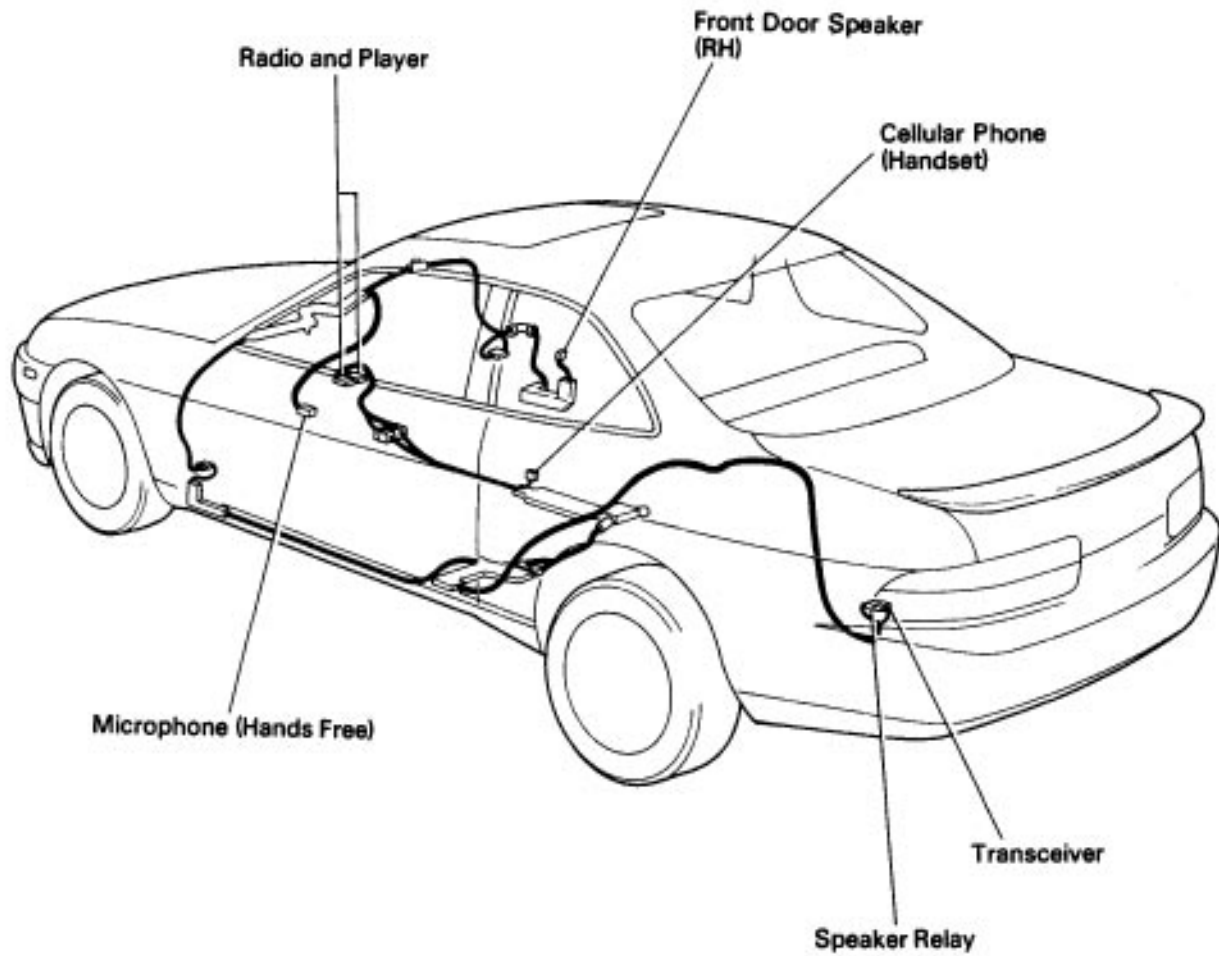


CELLULAR PHONE

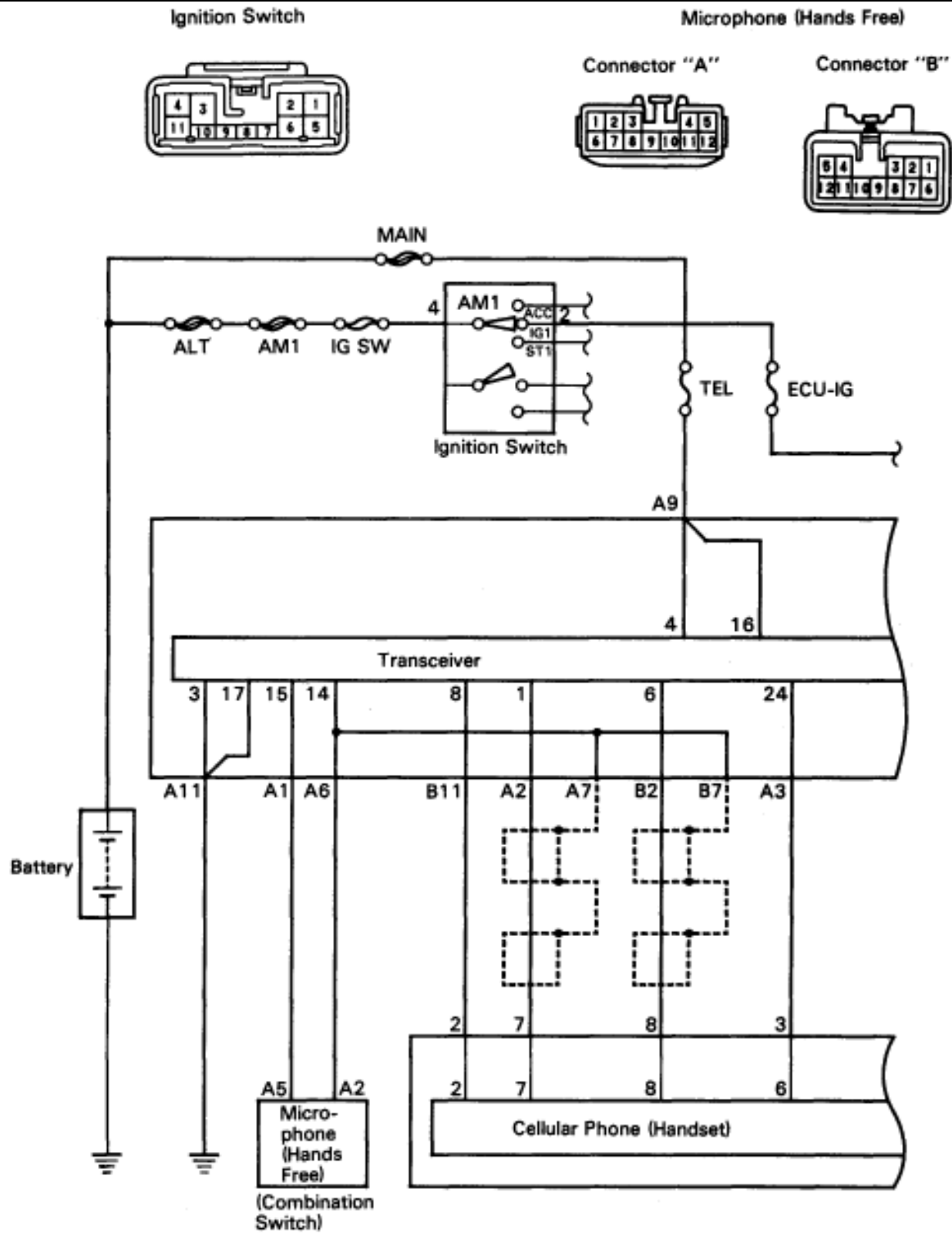
Parts Location



Electrical Wiring Routing

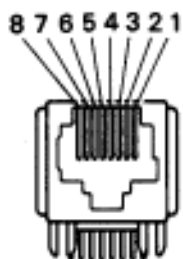


System Circuit

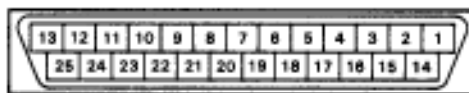
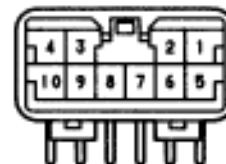


System Circuit (Cont'd)

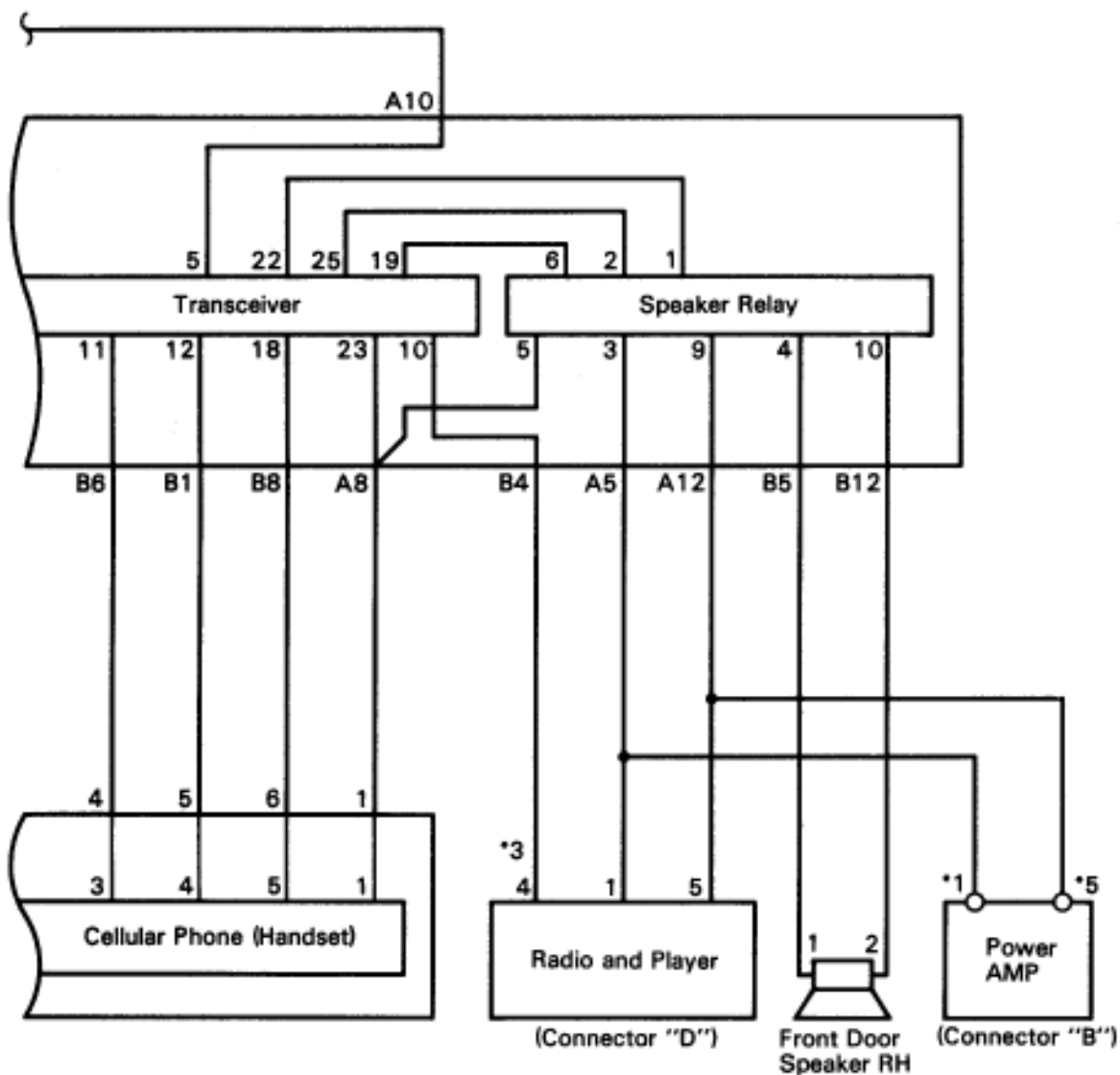
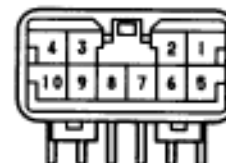
Cellular Phone (Handset)



Transceiver

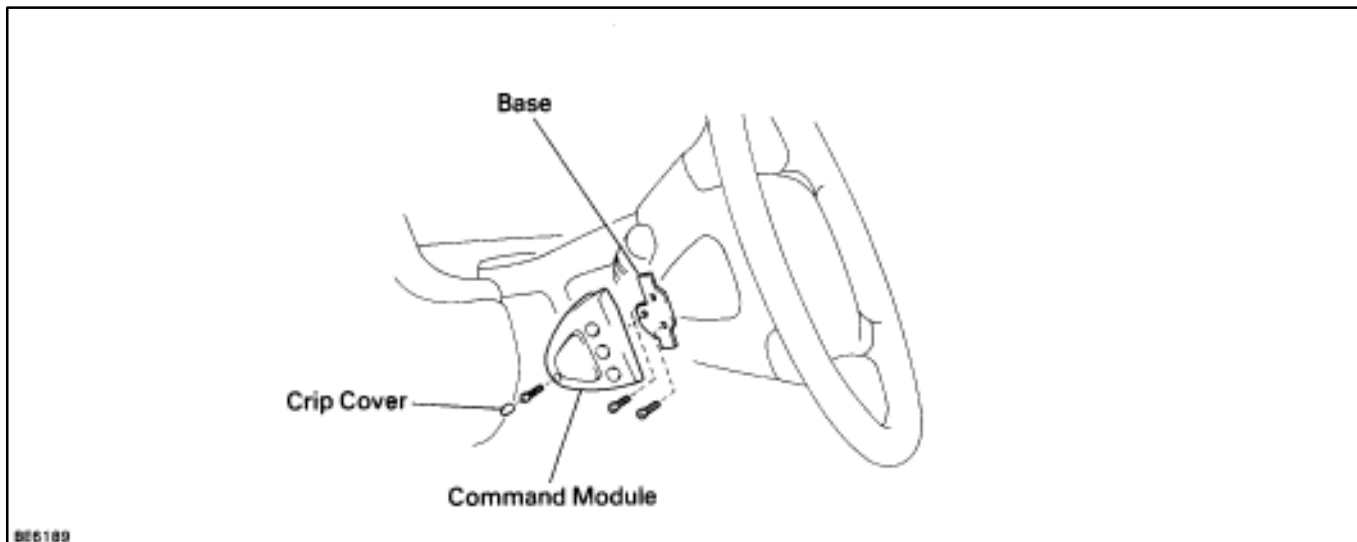
Radio Assembly
(Connector "D")

Front Speaker

Radio Amp
(Connector "B")

*: w/ CD

Parts Replacement (Microphone/Hands Free) COMPONENTS



REMOVAL OF MICROPHONE

1. **REMOVE CLIP COVER**
2. **REMOVE COMMAND MODULE**

Remove a screw and separate command module from steering wheel.



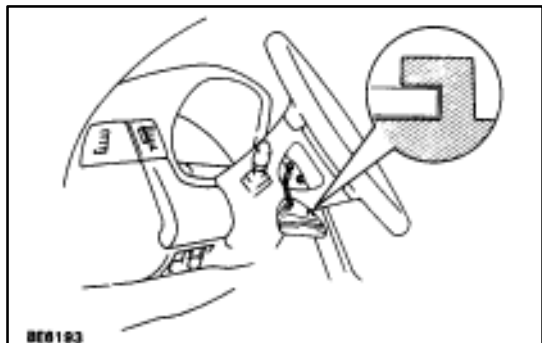
3. **REMOVE BASE**

Remove two screws and base.



4. **DISCONNECT CONNECTOR**

Using a screw driver, disconnect the connector.



INSTALLATION OF MICROPHONE

For installation, follow the removal procedure in reverse.

(MAIN POINT OF INSTALLATION)

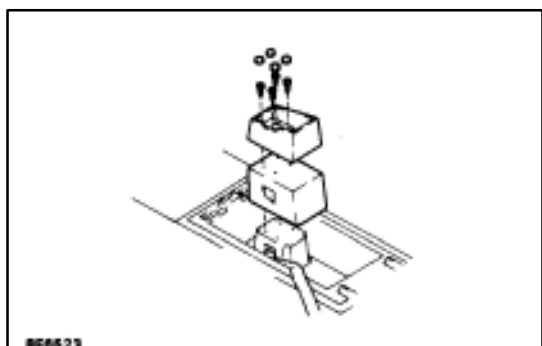
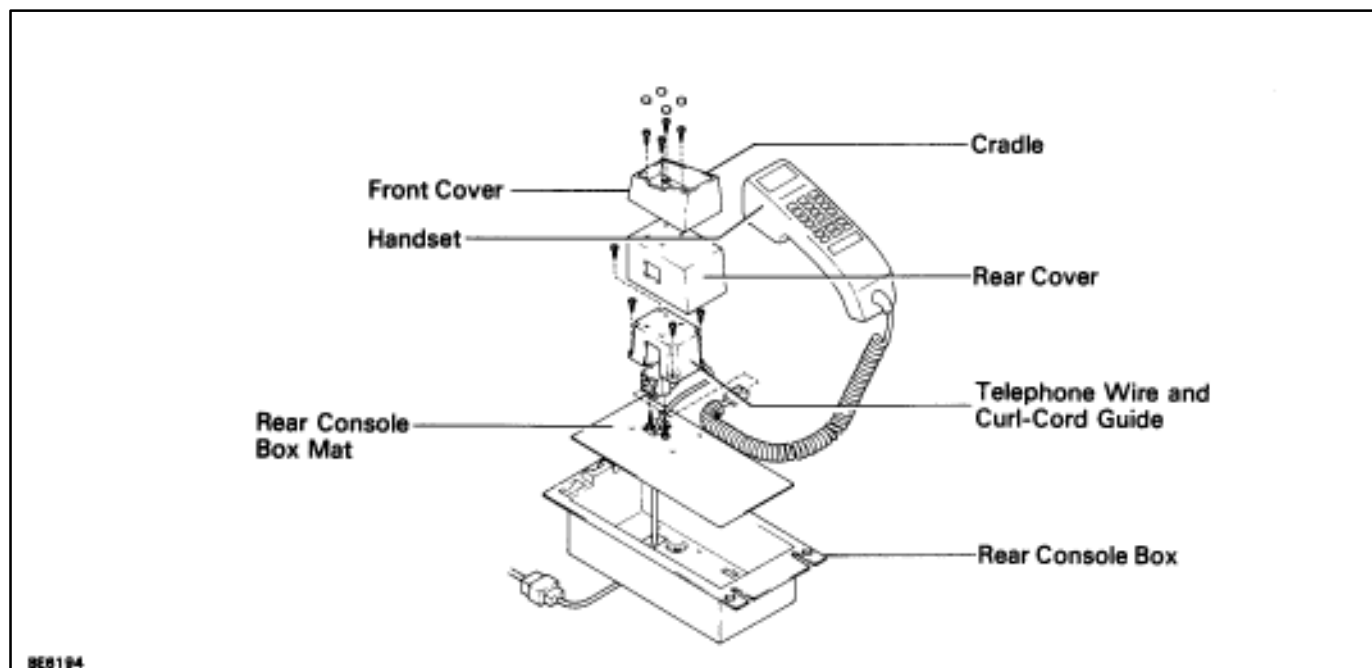
INSTALL COMMAND MODULE

- (a) Match the holes in the command module with the 2 projections at the rear of base.



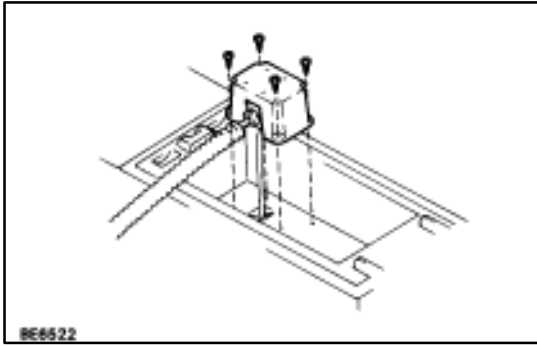
- (b) Install the command module and a screw.
HINT: Avoid pinching of the wire harness during installation.

(Cellular Phone/Handset) COMPONENTS



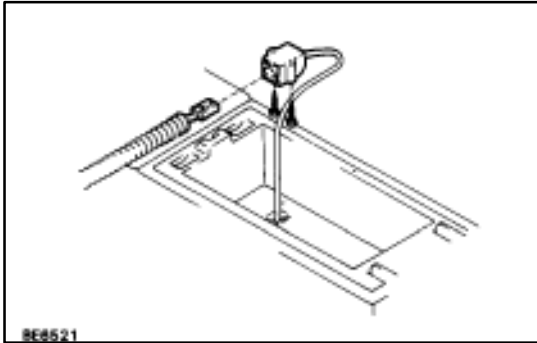
REMOVAL OF CELLULAR PHONE

1. REMOVE CRADLE AND OUTER BRACKET
Remove the four screws cradle and bracket.



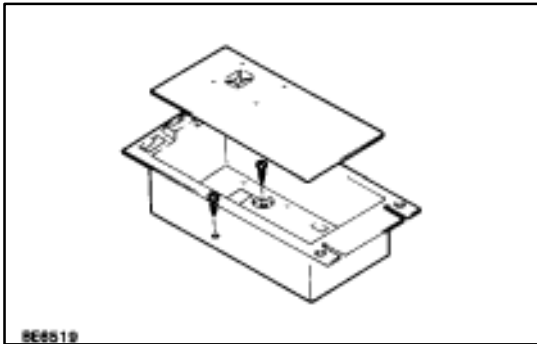
2. REMOVE INNER BRACKET

Remove the four screws and inner bracket.



3. REMOVE HANDSET

Disconnect the telephone wire connector.



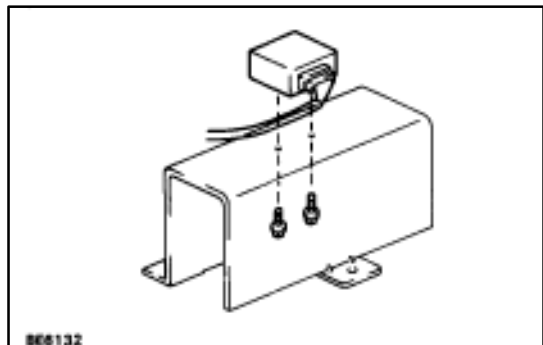
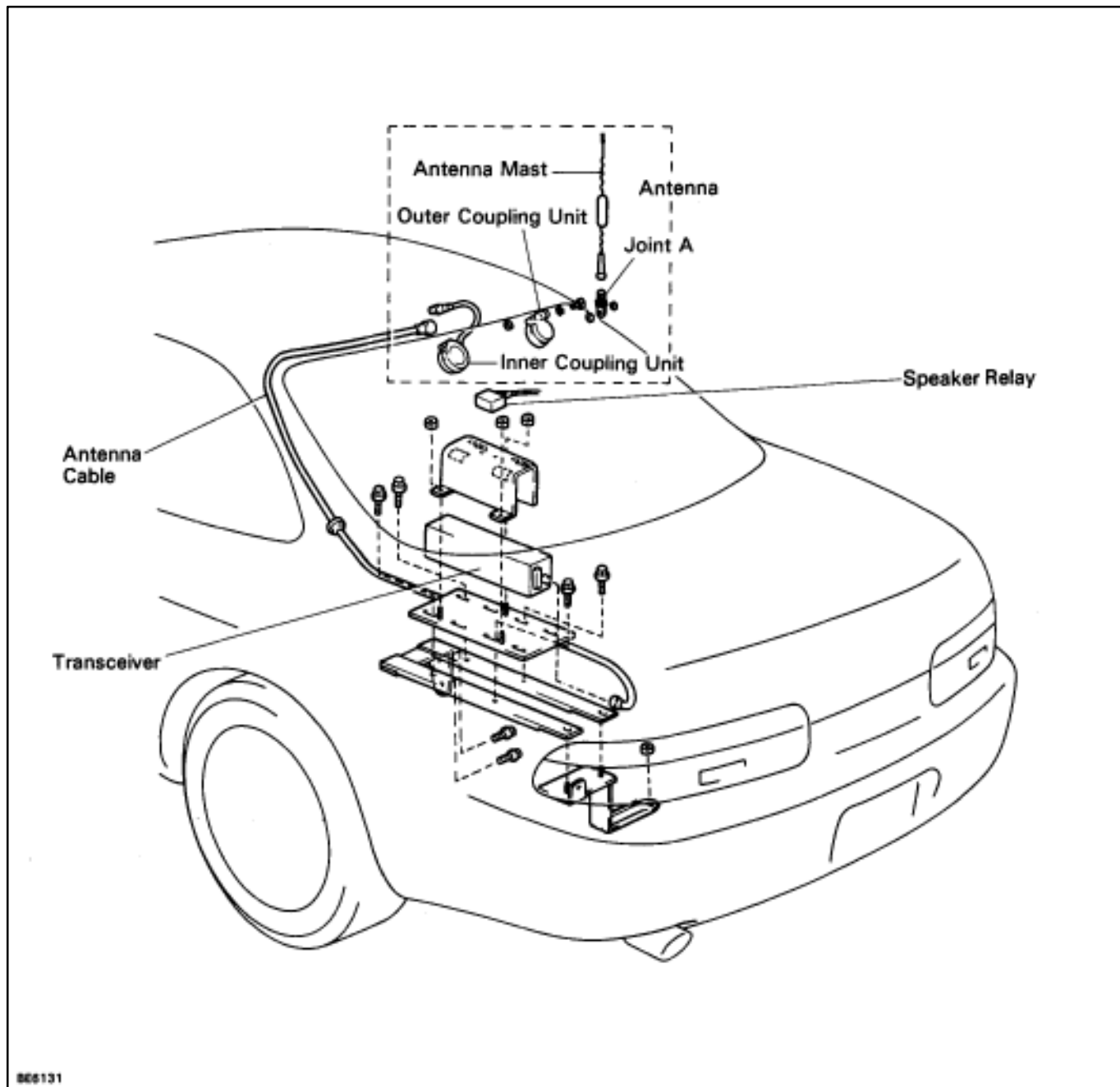
4. REMOVE REAR CONSOLE BOX

- (a) Remove the rear console box mat.
- (b) Remove two screws.
- (c) Remove the rear console box.

INSTALLATION OF CELLULAR PHONE

For installation, follow the removal procedure in reverse.

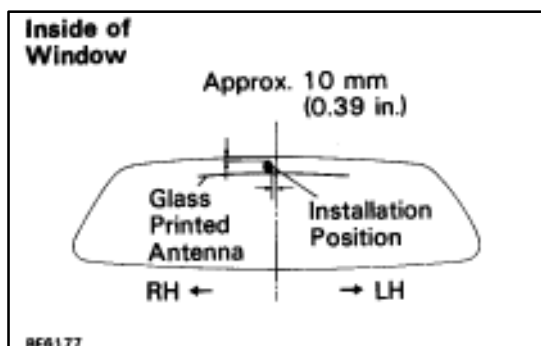
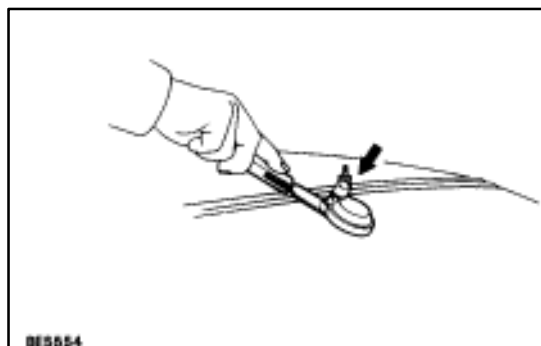
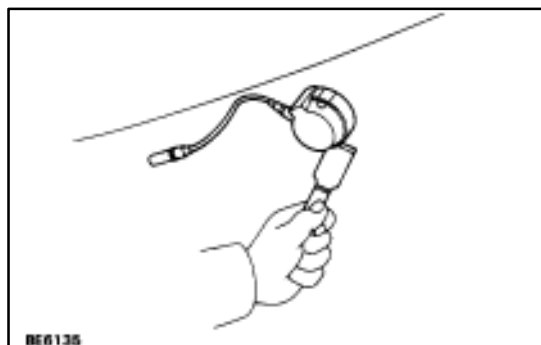
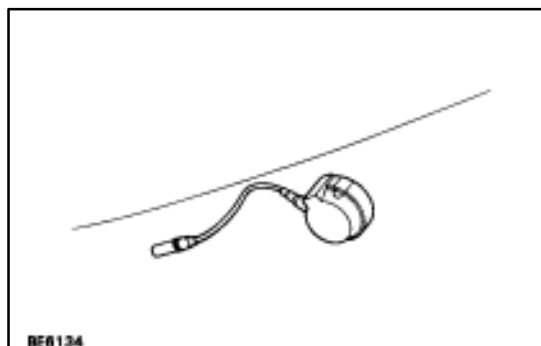
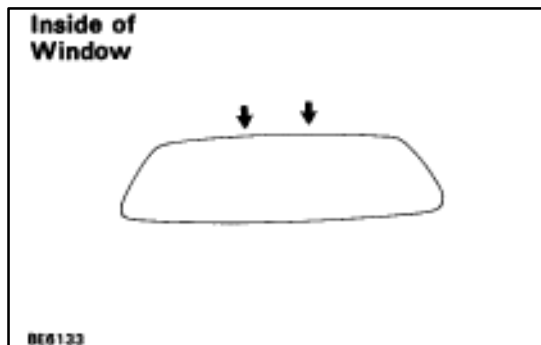
(Antenna, Transceiver and Speaker Relay) COMPONENTS



REMOVAL OF SPEAKER RELAY

REMOVE SPEAKER RELAY

- Remove the luggage LH cover.
- Disconnect connectors and antenna cable from the transceiver.
- Remove the transceiver.
- Disconnect connector from speaker relay.
- Remove the two screws and speaker relay.



INSTALLATION OF SPEAKER RELAY

For installation, follow the removal procedure in reverse.

REMOVAL OF ANTENNA

1. REMOVE INNER COUPLING UNIT

- Remove four crips.
- Pull out antenna cable from roof head lining.
- Disconnect antenna cable from coupling unit.

- Using a scraper or screw driver, remove inner coupling unit from back window glass.

NOTICE: Take care not to damage the back window glass.

2. REMOVE ANTENNA MAST

- Remove a antenna mast from joint A.
- Remove a screw, washer and joint A.

3. REMOVE OUTER COUPLING UNIT

Using a scraper or screw driver, remove outer coupling unit.

NOTICE: Take care not to damage the back window glass.

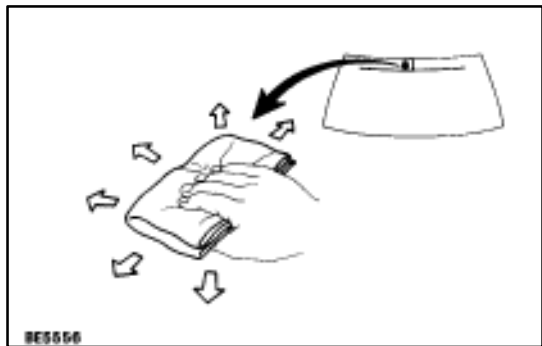
INSTALLATION OF ANTENNA

1. SELECT ANTENNA INSTALLATION POSITION

Install the antenna in the position shown in the figure.

HINT:

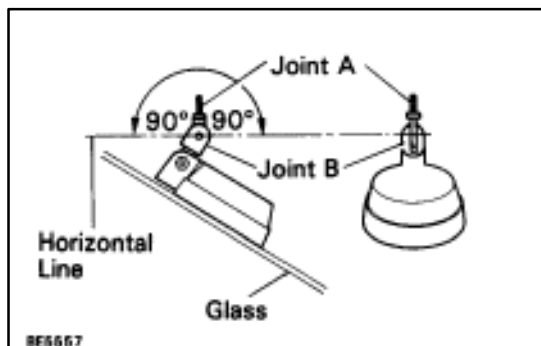
- The antenna must not be touching the glass printed antenna.
- After temporarily positioning the antenna cable and coupling unit against the glass, install the antenna in position opposite where the upper edge of the coupling unit touches the roof head lining.



2. CLEAN SURFACE FOR ANTENNA INSTALLATION

- Clean the glass surface for installation of the inner coupling unit and outer coupling unit.
- Clean the glass again using the window cleaner contained in the kit.
- Wipe the glass surface dry using a dry paper towel.

HINT: Wipe the glass radially.



3. INSTALL OUTER COUPLING UNIT ON THE OUTSIDE OF THE WINDOW GLASS

- Remove joint A from antenna mast. Install joint A to joint B.

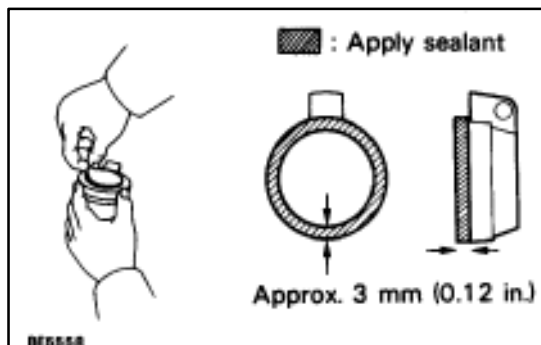
NOTICE: When replace the mast, replace the mast and joint A a set.

- Put the outer coupling unit in the selected location. Make sure it is possible to adjust the joint A and outer coupling unit.

NOTICE: Do not remove the protective paper from the adhesive on the bottom of outer coupling unit.

- Remove the protective paper from the outer coupling unit and apply sealant in plenty to the bottom surface of the coupling unit as shown in the figure.

HINT: Use the sealant contained in the kit.



- Adhere the outer coupling unit strongly against the installation location until the entire double-sided tape comes in contact with the glass and the sealant comes out.

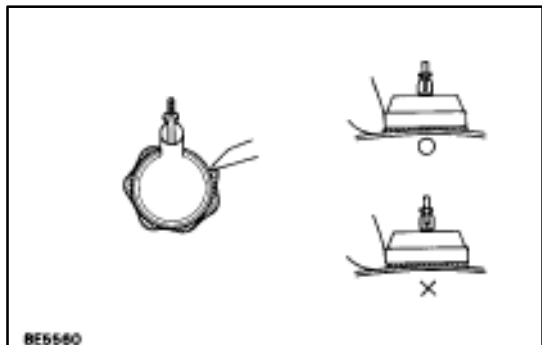
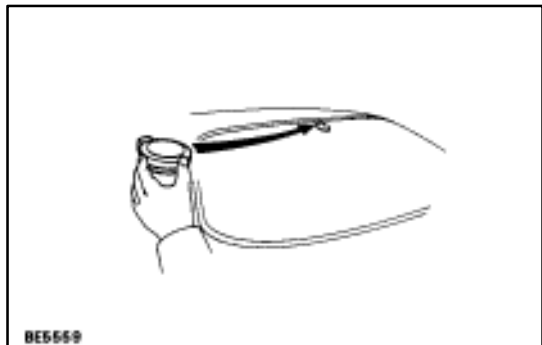
NOTICE: The adhesive pad will stick to the glass instantly and cannot be removed without having to replace it. Be sure the position of the outer coupling unit is correct before it touches the glass.

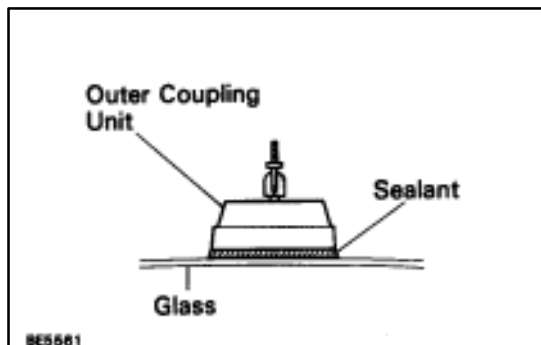
- Using a scraper or spatula, remove excess sealant.

HINT: Using a rag, wipe excess sealant which could not be removed by a spatula. When wiping by a rag, care should be taken not to have the rag in between glass and outer coupling unit.

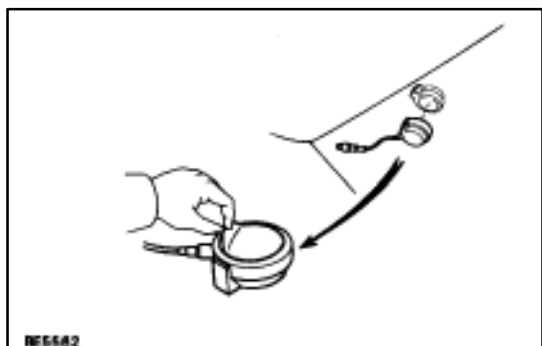
NOTICE:

- Confirm that the sealant is covering the double sided tape making it waterproof.
If not, reapply sealant and fill up the gap.
- Keep the antenna mast off for 24 hours until the sealant is completely cured.



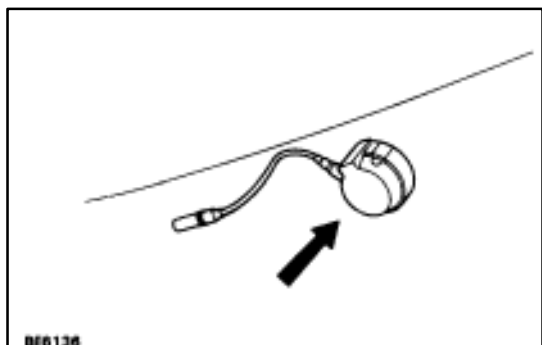


- Both the tape and silicone adhesives take longer to set and cure when the surfaces are cold. If the installation takes place in an area where temperatures are below 50°F (10°C) let the adhesive cure for least 48 hours before attaching the antenna mast.
- (f) Install the antenna mast to joint A.

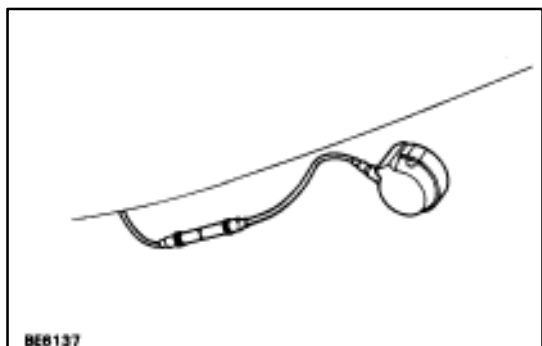


4. INSTALL INNER COUPLING UNIT ON THE INSIDE OF THE WINDOW GLASS

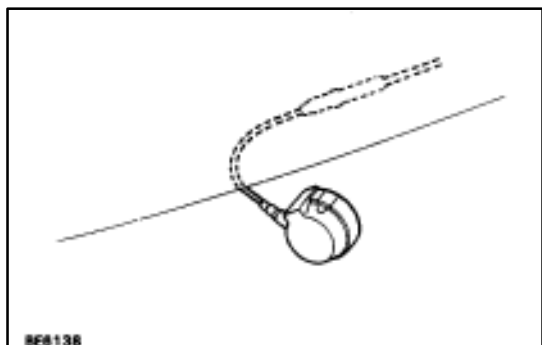
- (a) Verify the positioning of the inner coupling unit so that it will be centered over the outer coupling unit on the outside, with the connector positioned horizontally to the right side of the vehicle.
- (b) Remove the protective paper from the coupling unit.
NOTICE: The adhesive pad will stick to the glass instantly and cannot be removed without having to replace it. Be sure the position of the coupling unit is correct before it touches the glass.



- (c) Install the inner coupling unit to the glass.



- (d) Connect the antenna cable.
- (e) Wrap the sponge round the connector.
 HINT: Use the sponge contained in the kit.



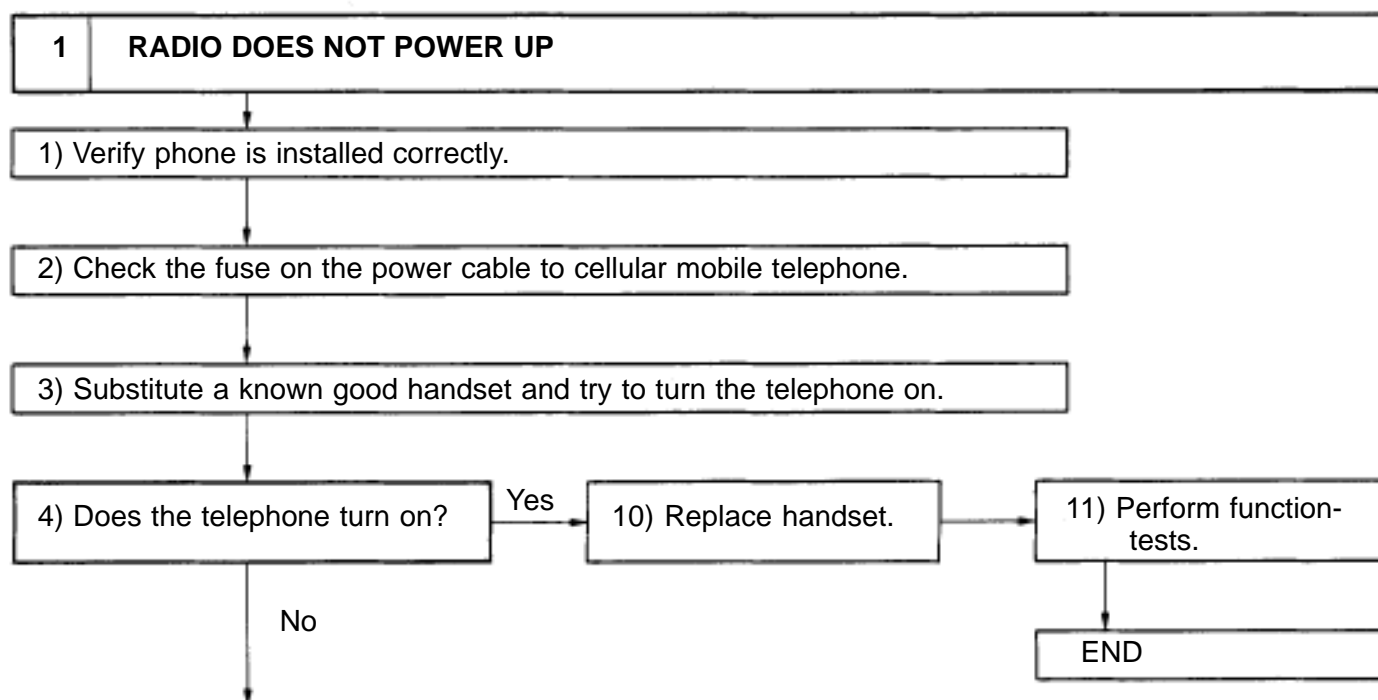
- (f) Install the connector back to its original position.

Troubleshooting

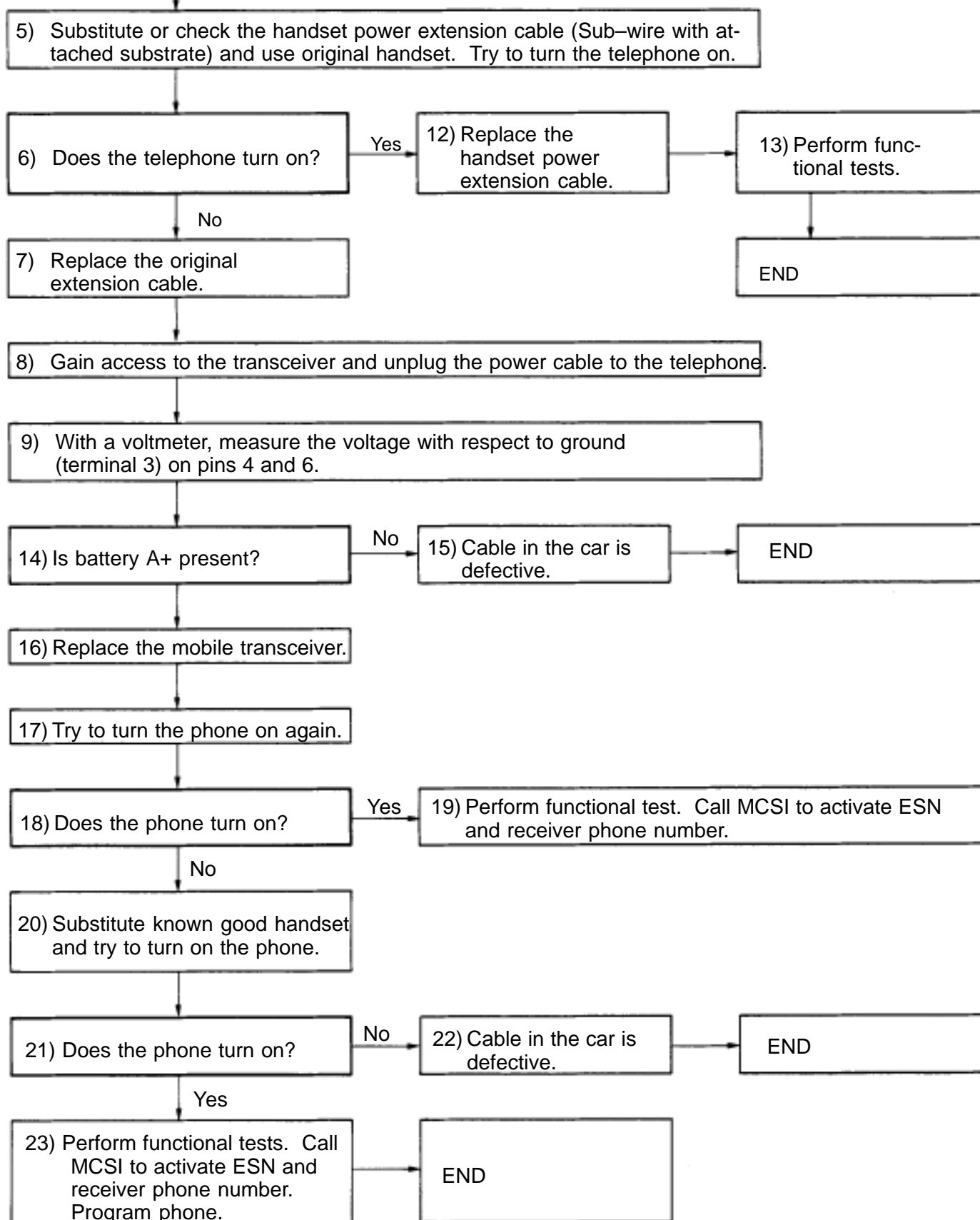
You can easily find the cause of trouble using the table shown below.

Chart No.	Trouble	See page
1	Radio does not power up.	BE-533
2	**"NO SVC" light stays on.	BE-535
3	*Static during calls/Dropped calls.	BE-537
4	Fast busy signal or recording received when placing calls.	BE-538
5	Dialing problems with controller.	BE-539
6	No hands free transmit audio.	BE-540
7	No hands free audio or tones from right front speaker.	BE-541
8	No AM/FM radio out of right front speaker.	BE-543
9	AM/FM radio does not mute during calls.	BE-544
10	Radio will not go into programming mode.	BE-545

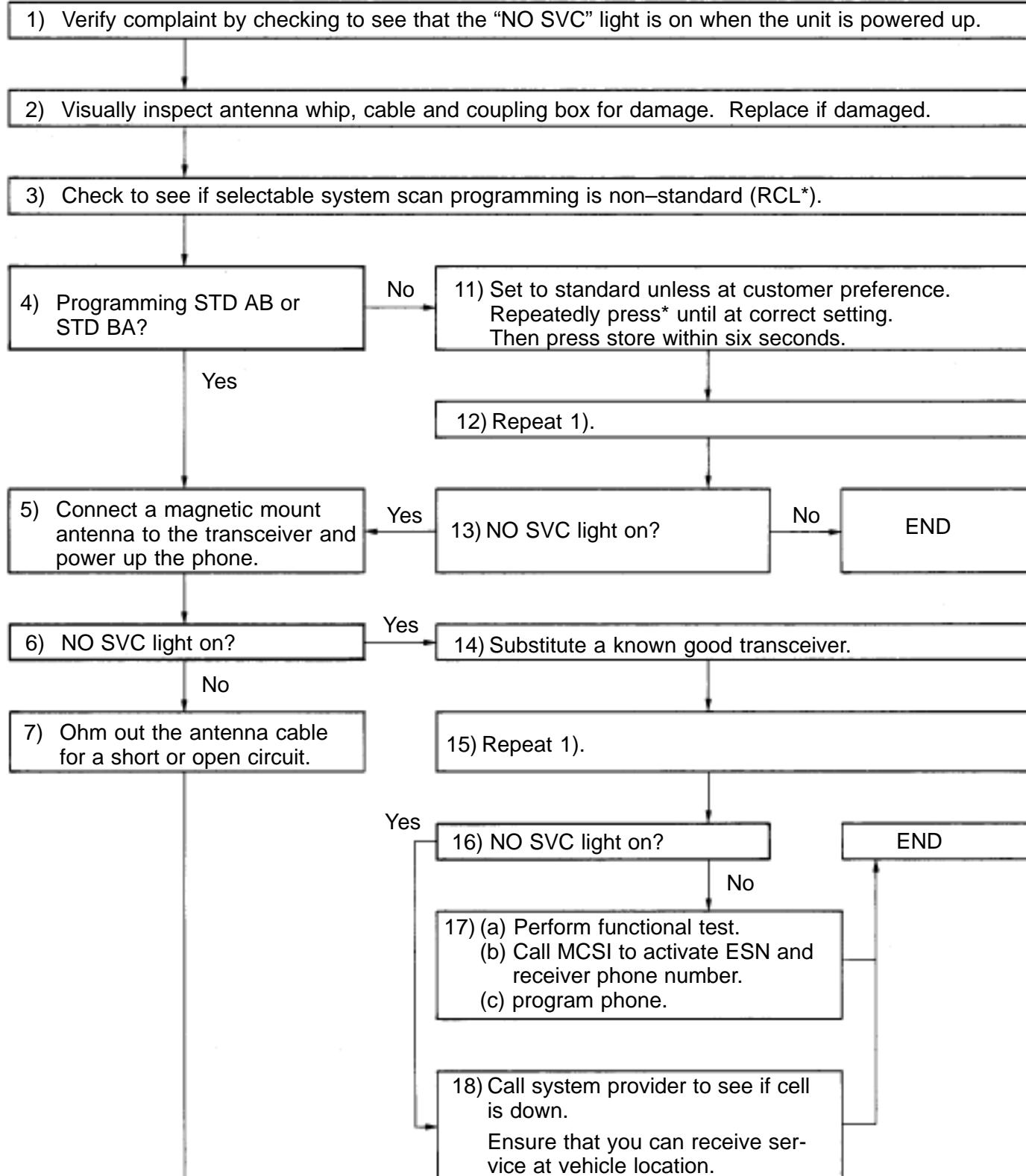
*: These tests assume adequate cellular coverage at location of testing.



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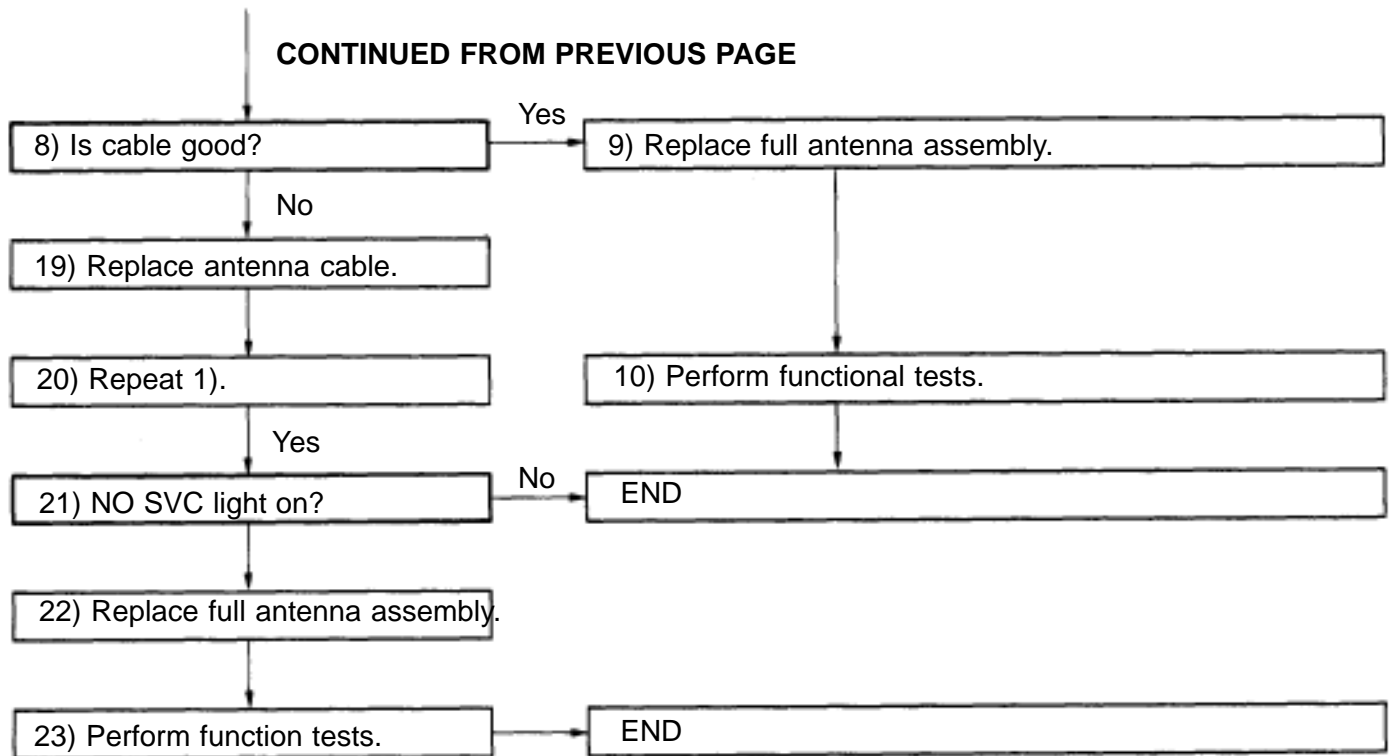
2 “NO SVC” LIGHT* STAYS ON



**CONTINUED ON NEXT
PAGE**

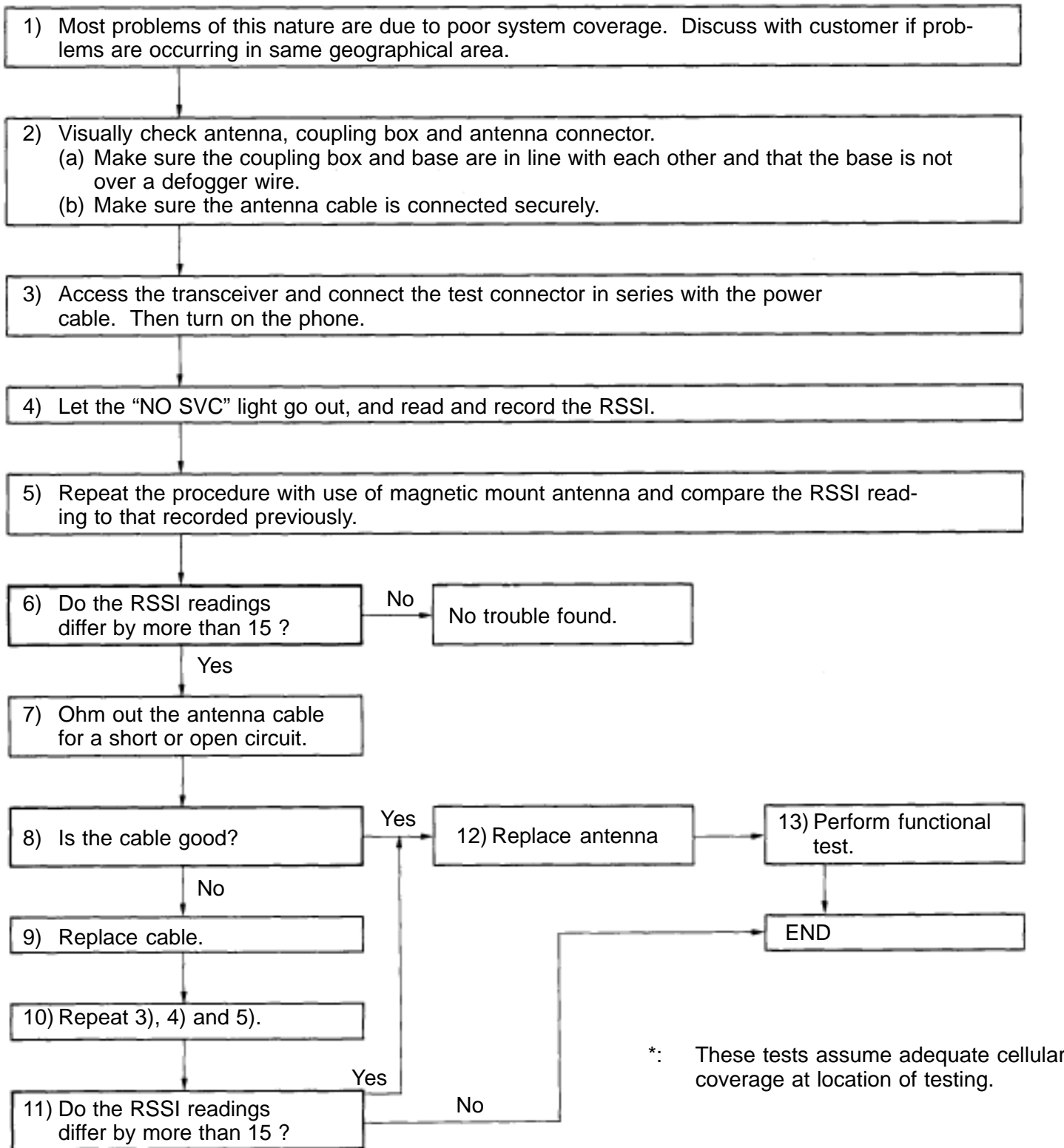
*: These tests assume adequate cellular coverage at location of testing.

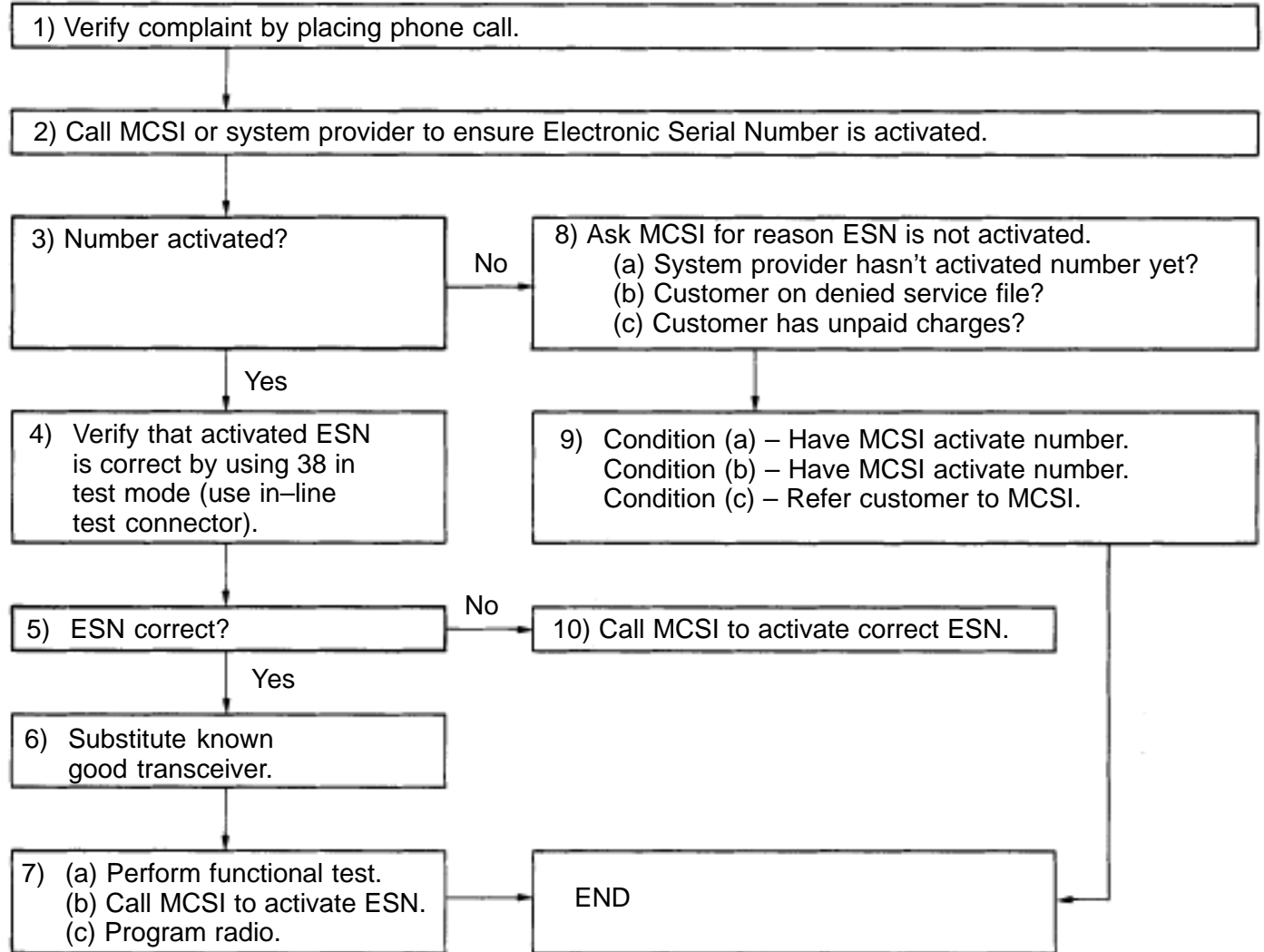
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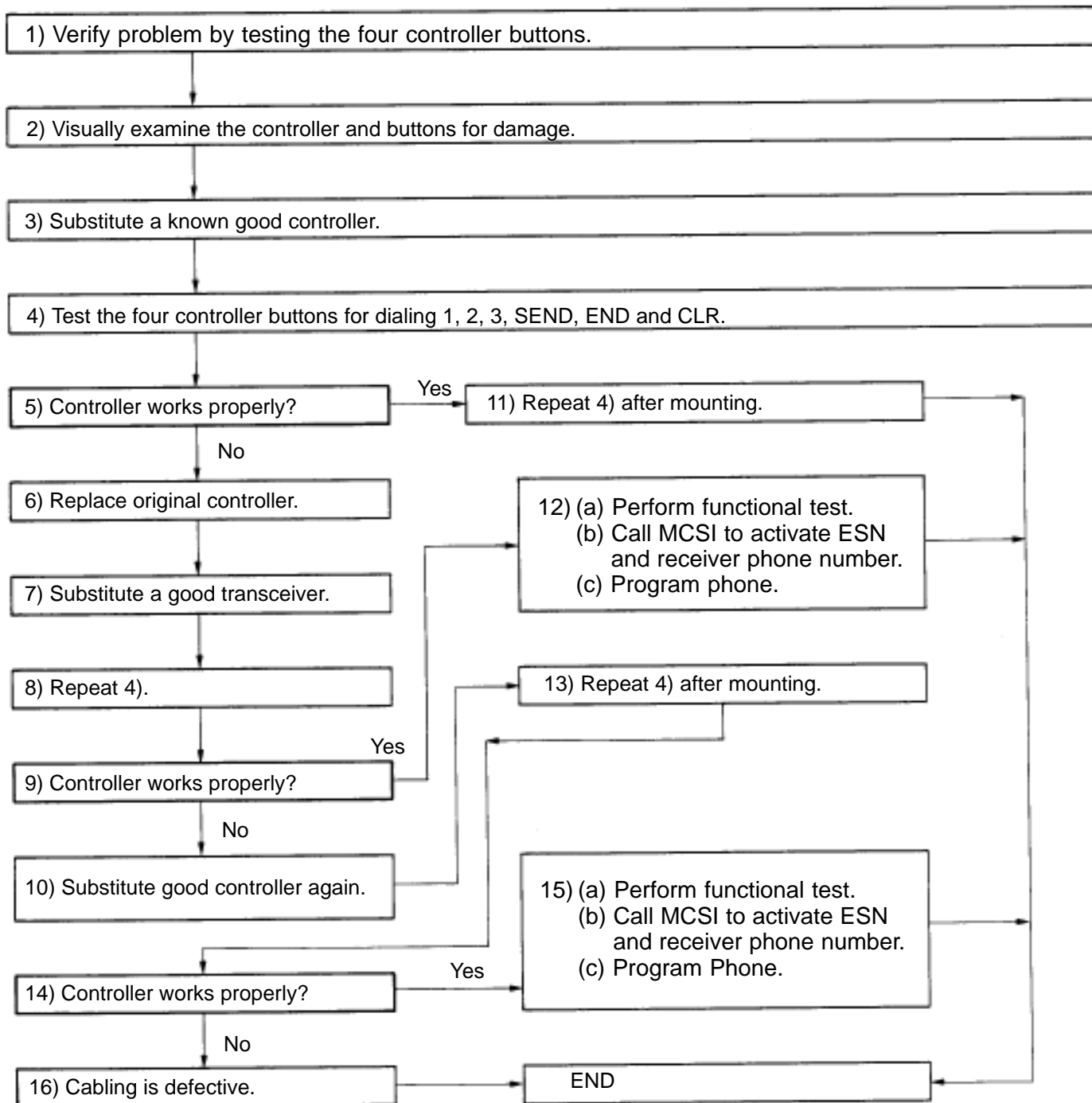
*: These tests assume adequate cellular coverage at location of testing.

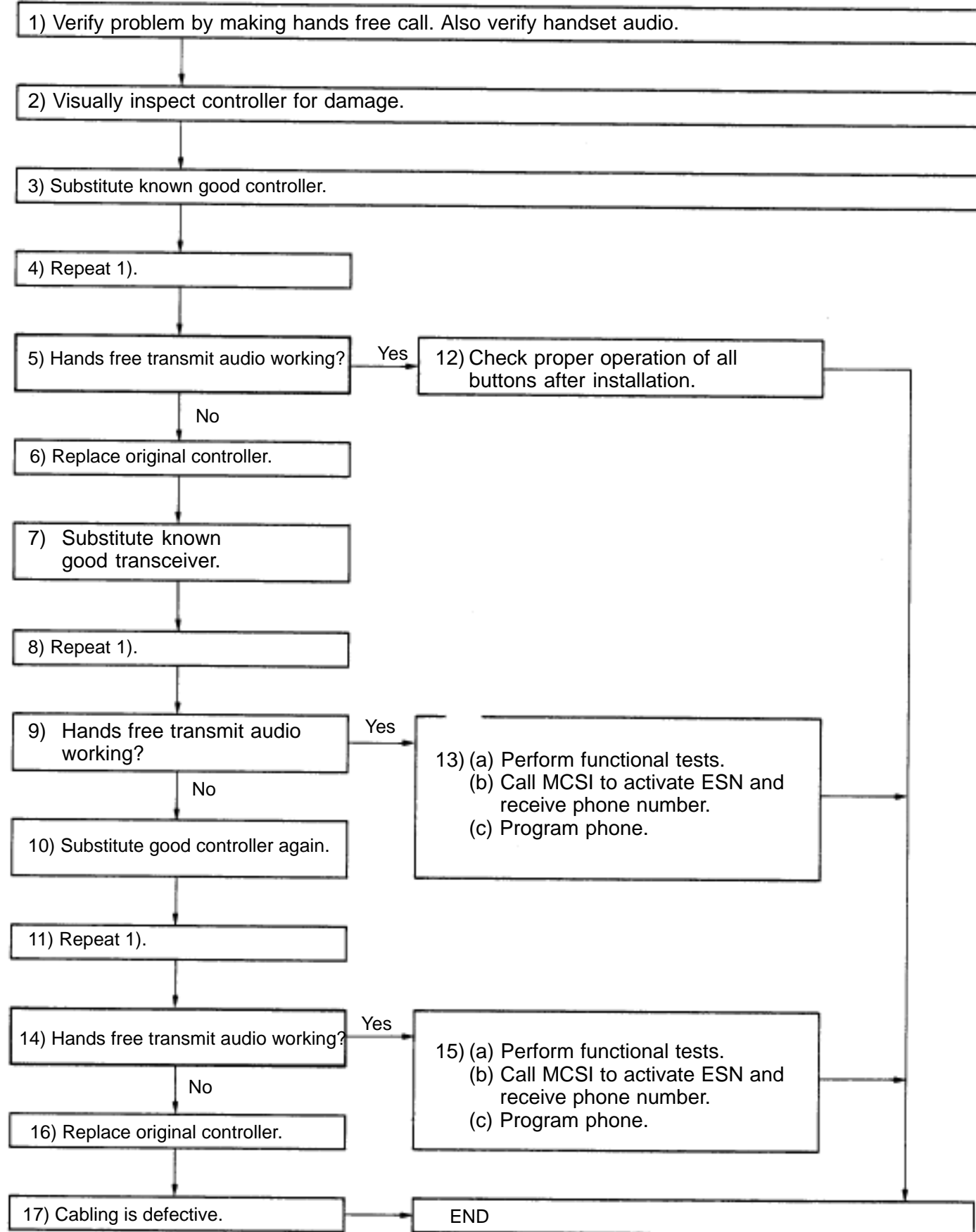
3 “STATIC DURING CALLS/DROPPED CALLS



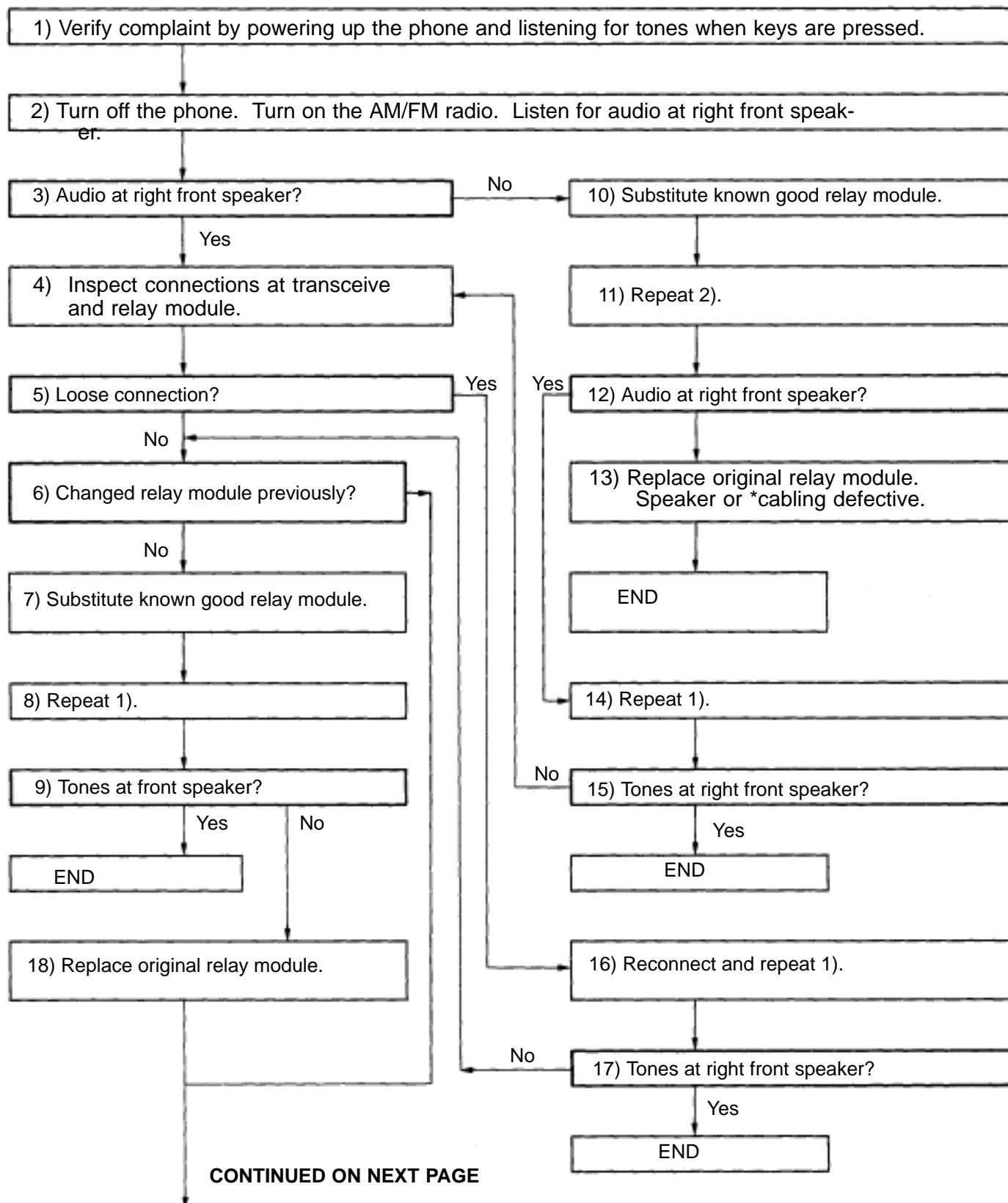
4**FAST BUSY SIGNAL OR RECORDING RECEIVED WHEN PLACING CALLS**

5 DIALING PROBLEMS WITH CONTROLLER

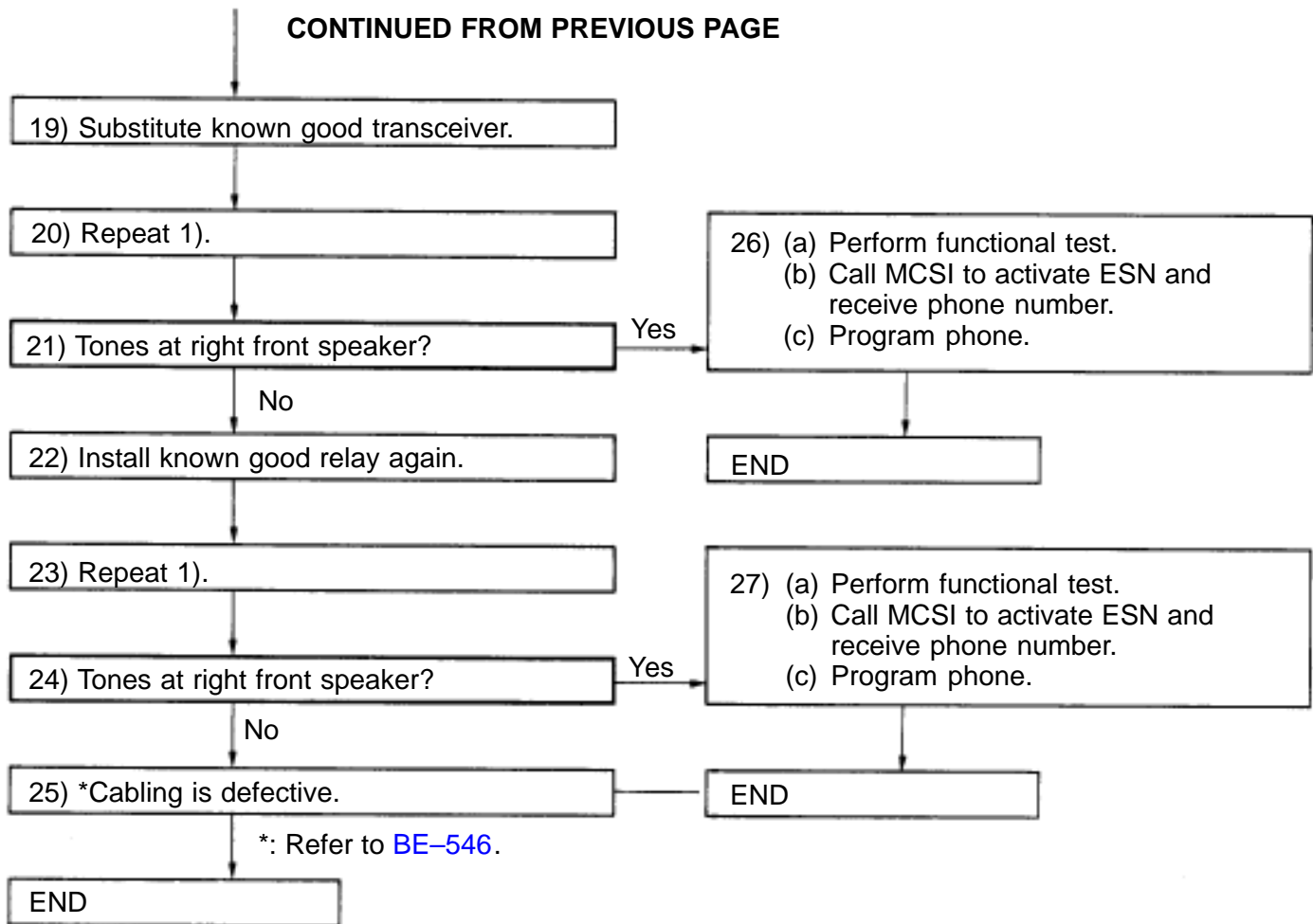


6 NO HANDS FREE TRANSMIT AUDIO

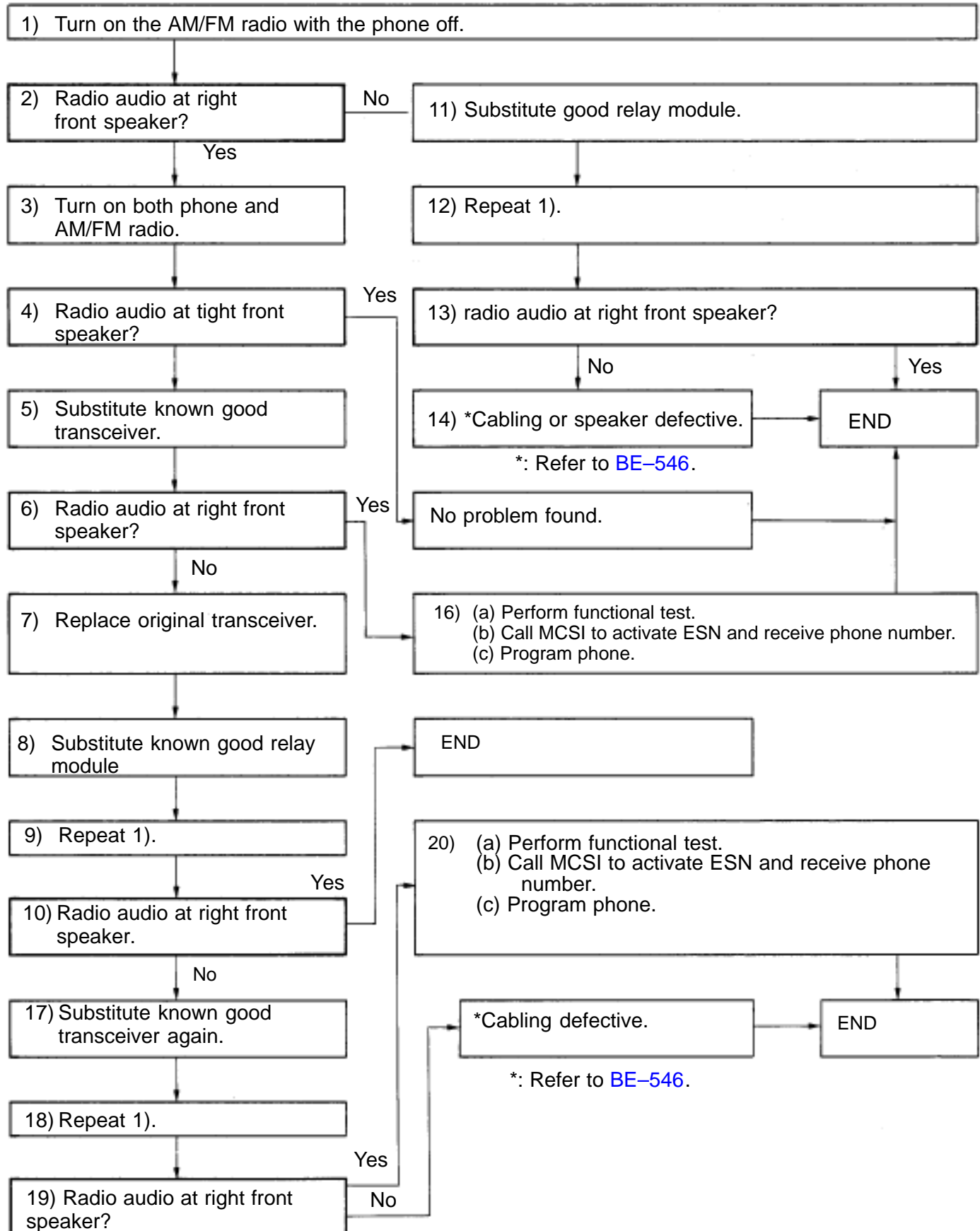
7

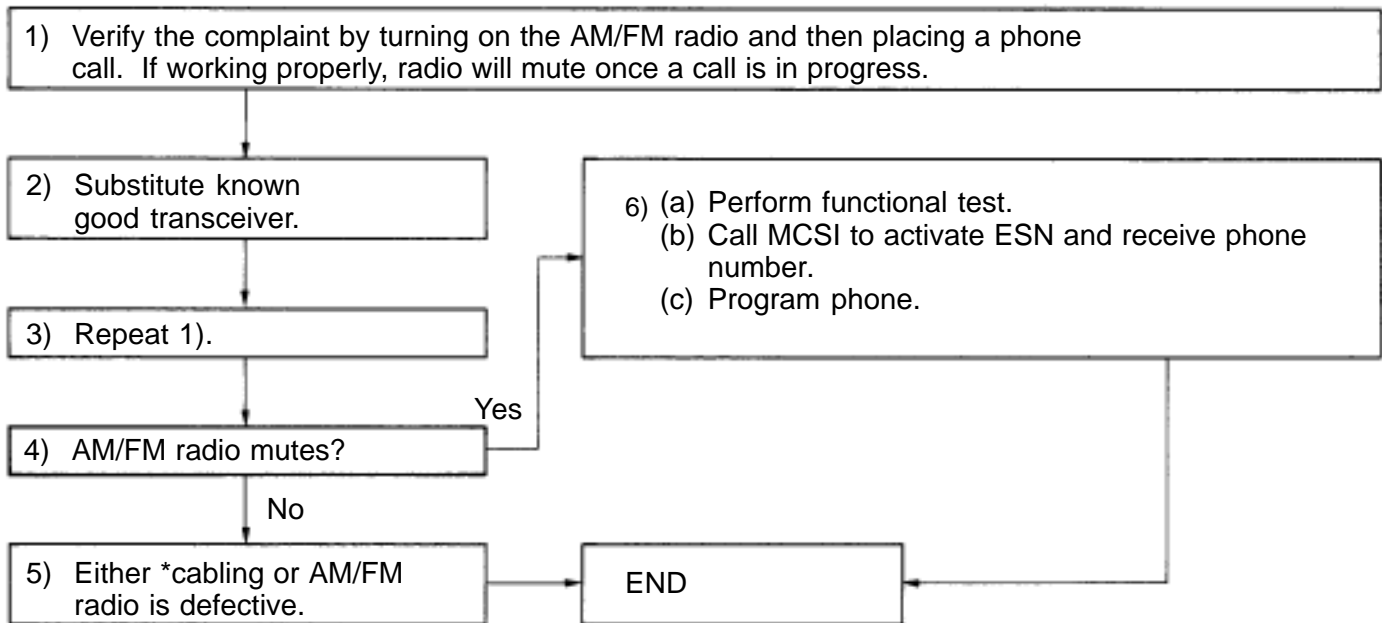


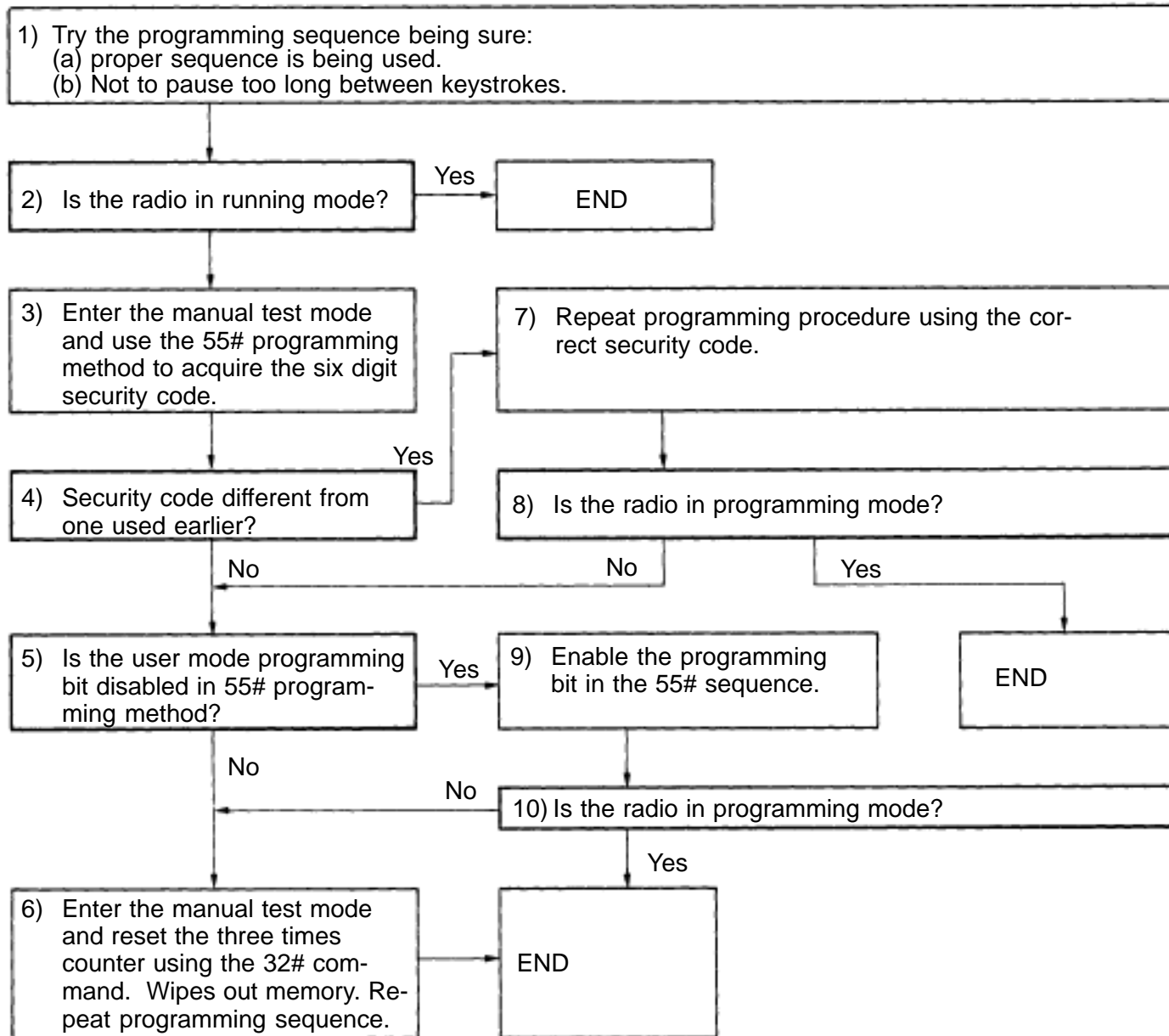
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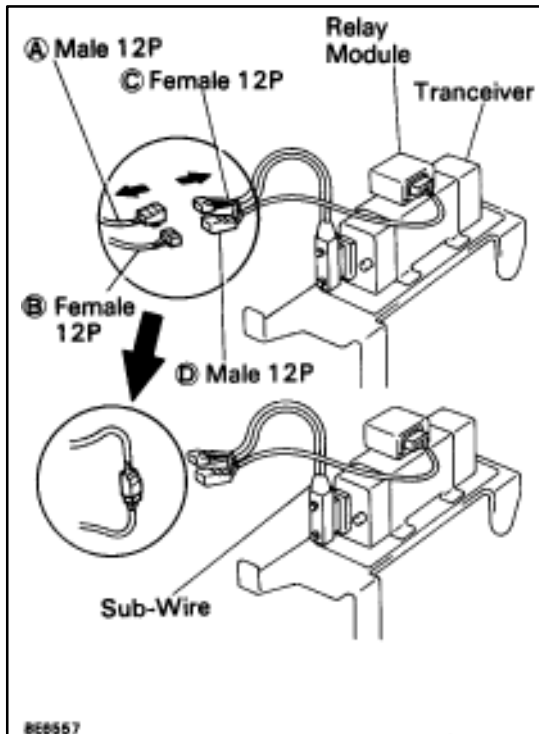


8 NO AM/FM RADIO OUT OF RIGHT FRONT SPEAKER



9 AM/FM RADIO DOES NOT MUTE DURING CALLS

10 RADIO WILL NOT GO INTO PROGRAMMING MODE



DIAGNOSIS PROCEDURE FOR CABLING

DIAGNOSIS PROCEDURE

(Step 1)

Disconnect connectors (A) and (C), (B) and (D), then connect (A) and (B).

This method returns the audio connection to the original condition before connection of the receiver and relay module, so that it can be judged whether the rear speaker and vehicle wire are normal or not.

(Step 2)

If the result in step 1 is normal, replace the sub-wire.