

L. W. Camp
Director
Automotive Safety Office
Environmental And Safety Engineering

Ford Motor Company
830 Town Center Drive
Dearborn, Michigan 48126 USA

March 31, 1999

Kenneth N. Weinstein
Associate Administrator for Safety Assurance
National Highway Traffic Safety Administration
400 Seventh Street, SW
Washington, DC 20590

Dear Mr. Weinstein:

**Subject: Safety Recall 99V-029 NSA-111paw
(Ford Number 99S02)**

Enclosed are dealer and owner letters issued by Ford Customer Service Division regarding a recall of certain 1992-1997 Ford Aerostar vehicles. Specific details were forwarded to you in our letter dated February 3, 1999.

Very truly yours,

A handwritten signature in cursive script, appearing to read "L. W. Camp".

99S02dlr.doc
enclosure





Service Recall Bulletin

March 1999

TO: All Ford and Lincoln Mercury Dealers

SUBJECT: Safety Recall 99S02 - All 1992 through 1997 Model Year Aerostar Vehicles - Accessory Power Circuit

AFFECTED VEHICLES

All 1992 through 1997 model year Aerostar vehicles produced Job #1-1992 through the end of 1997 model year production.

REASONS FOR RECALL

The affected vehicles were produced with a higher than specified electrical load through an accessory power circuit that connects to the ignition switch. Over time, this overload condition could create a short circuit resulting in overheating of electrical components in the steering column and potentially a vehicle fire. The operator may be forewarned by a smoke odor or a popping noise from the steering column. Upon turning the key off, the short is eliminated.

SERVICE ACTION

To correct this condition, an accessory power circuit relay will be installed which will re-route electrical loads.

ATTACHMENTS

Attachment I
- Administrative Information

Attachment II
- Labor Allowances
- Parts Ordering Information

Attachment III
- Technical Information

QUESTIONS?

Claims Information 1-800-423-8851
Other Recall Questions 1-800-325-5821

Sincerely,



A. R. O'Neill

Director

Vehicle Service and Programs

OASIS

Use OASIS to determine if a vehicle is eligible for this recall.

PLEASE NOTE

Correct all vehicles in stock before delivery. Federal law requires dealers to complete any outstanding safety recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to \$1,100 per vehicle.

PROMPTLY CORRECT

Affected vehicles on the enclosed list.

Other eligible vehicles which are brought to your dealership.

DEALER-OWNER CONTACT

Immediately contact any affected owner whose name is not on the list. Give owner a copy of the Owner Letter and schedule a service date.

REGIONAL CONTACT

Advise regional office if:

- an owner cannot be contacted.
- an owner does not make a service date.

CLAIMS SUBMISSION

Enter claims using DWE. See ACESII Manual, Sections 5 and 6.

REFUNDS

See ACESII Manual, Section 3 for submission procedures.

Program Code	-	99S02
Misc. Expense	-	REFUND
Misc. Expense	-	ADMIN
Misc. Expense	-	0.2 Hrs.

LABOR ALLOWANCES

Install A2 and B2 Circuit Relay Wiring Harness

0.6 Hrs.

Labor Operation 99S02B

Administrative Allowance

0.1 Hrs.

Misc. Expense Code "ADMIN"

PARTS REQUIREMENTS

Parts will not be direct shipped for this recall. Order parts requirements through normal order processing channels.

Order Type:

Stock

Interim

Emergency

Emergency

Effective:

Immediately

Immediately

31 Days After Launch

First 30 Days After Launch

Order Process:

Normal

Normal

Normal

Call 1-800-325-5621

PART NUMBER

F89Z-14A411-BA

DESCRIPTION

Kit, Accessory Power Circuit Relay

DEALER PRICE

For latest prices, check or call your:

- Order Processing Center
- DOES II
- Updated Price Book

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

ACCESSORY POWER CIRCUIT WIRING MODIFICATION

AFFECTED VEHICLES: 1992-1997 MODEL YEAR AEROSTAR

SERVICE PROCEDURE

Use the following Service Procedure to install a relay wiring harness into the ignition switch electrical connector. See Figure 1.

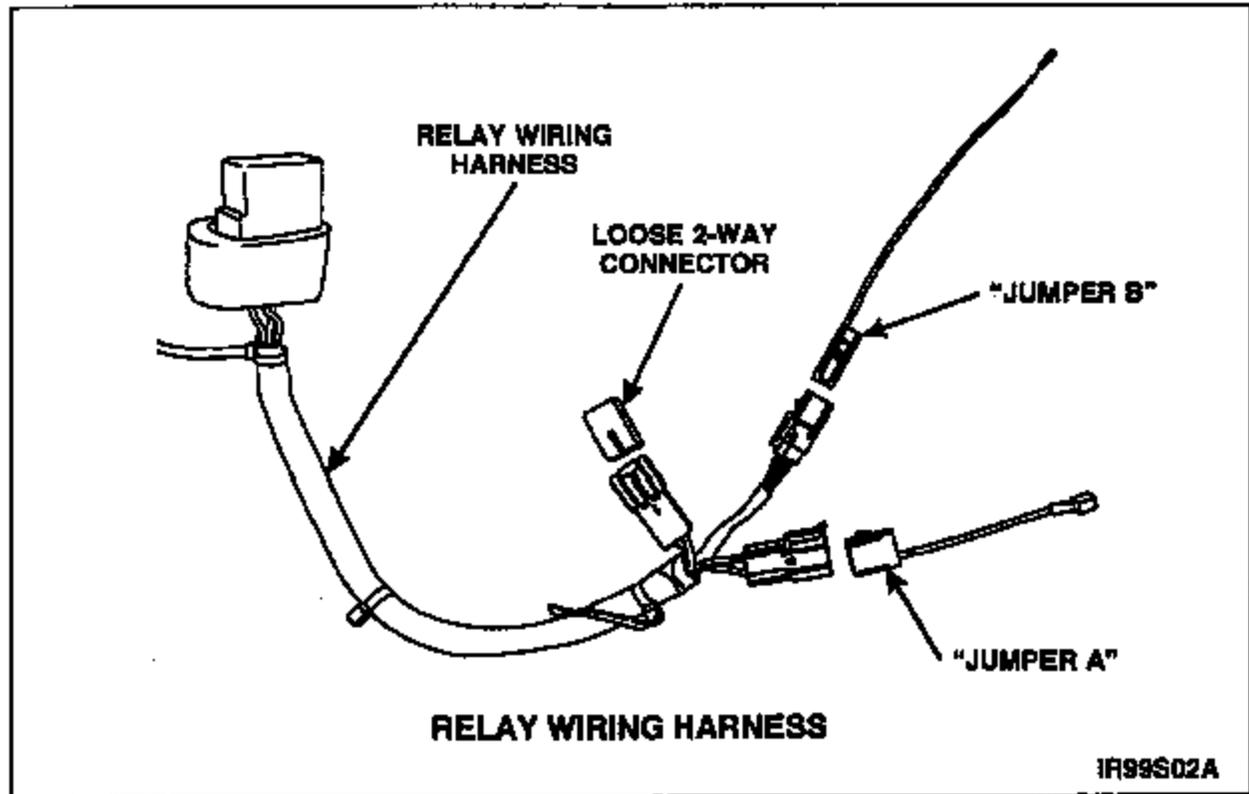
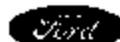


FIGURE 1

- NOTE: The following test will be a baseline for the verification test at the end of this Service Procedure (Step 33). Note whether or not the following components are operational. Upon completion of the repair, operation (or non-operation) of the components should be unchanged. This test at the conclusion of the service procedure will ensure the relay harness is installed properly.

Test the following components:

- Turn blower motor to HIGH.
 - Turn radio on.
 - Check brake shift interlock system by trying to shift from Park to any other gear without depressing brake pedal.
- Record radio stations, then disconnect battery negative cable.



3. Remove knee bolster.
4. Remove instrument panel reinforcing panel. See Figure 2.

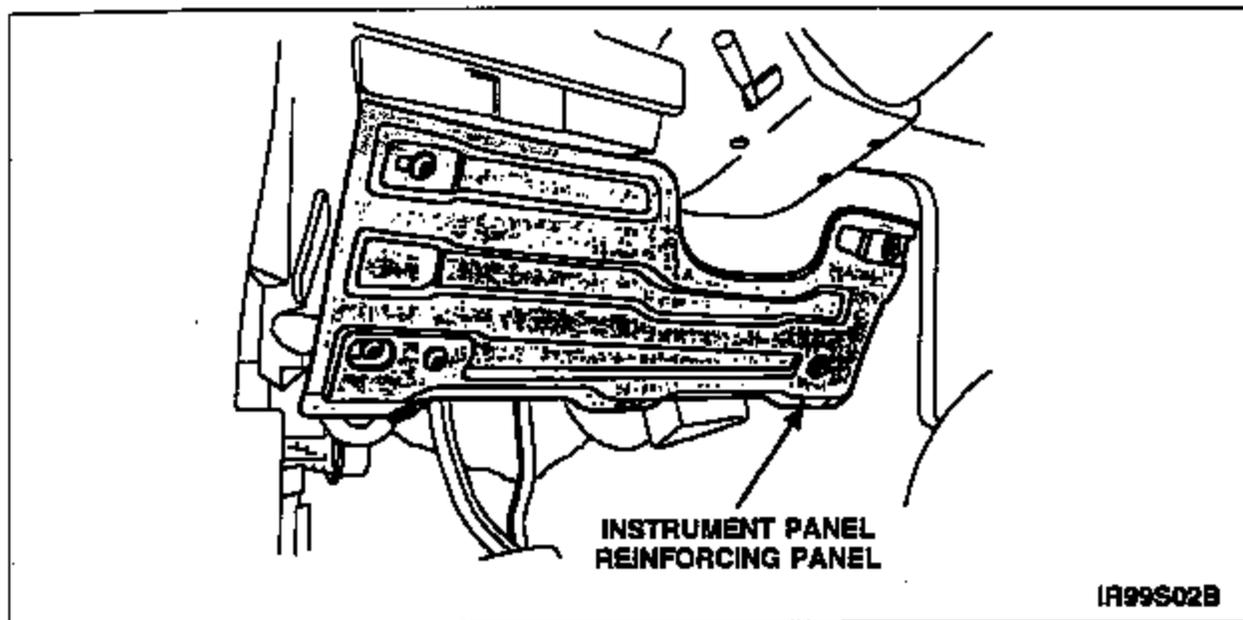


FIGURE 2

5. Completely loosen ignition switch electrical connector retaining screw, then disconnect ignition switch electrical connector. See Figure 3.

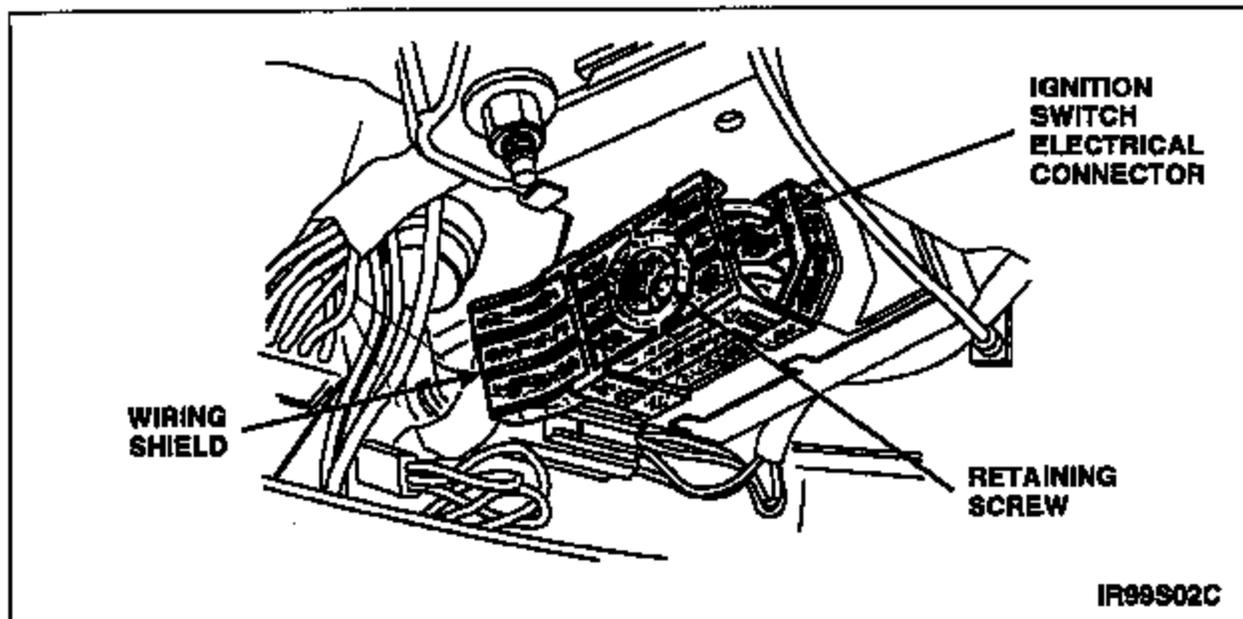


FIGURE 3



6. Remove ignition switch electrical connector wiring shield and terminal locking plate. See Figure 4.

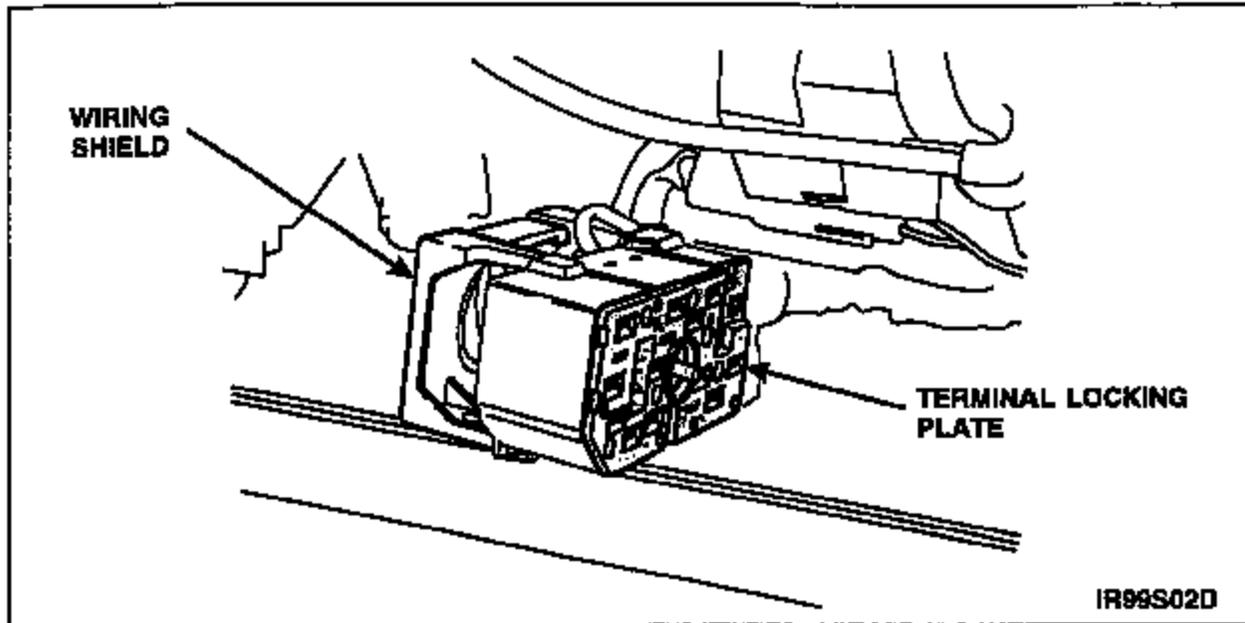


FIGURE 4

7. Remove black/light green wire, circuit 297, from terminal A1 of ignition switch electrical connector. See Figure 5.

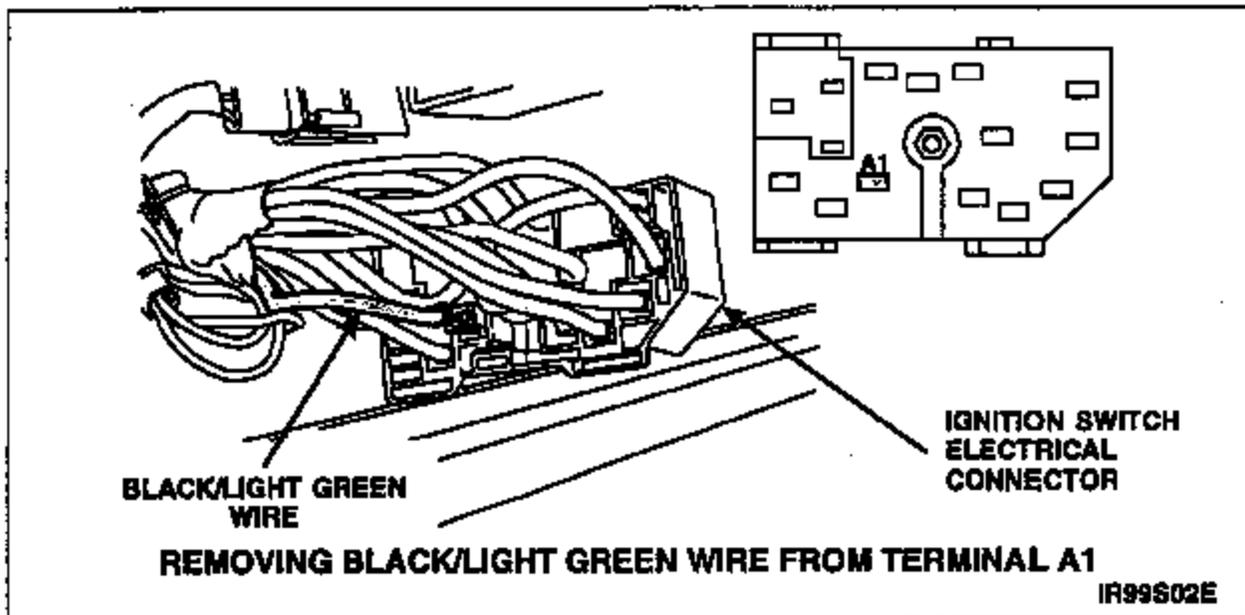
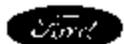


FIGURE 5



8. Install black/light green wire of "Jumper A" into terminal A1 of ignition switch electrical connector. See Figure 6.

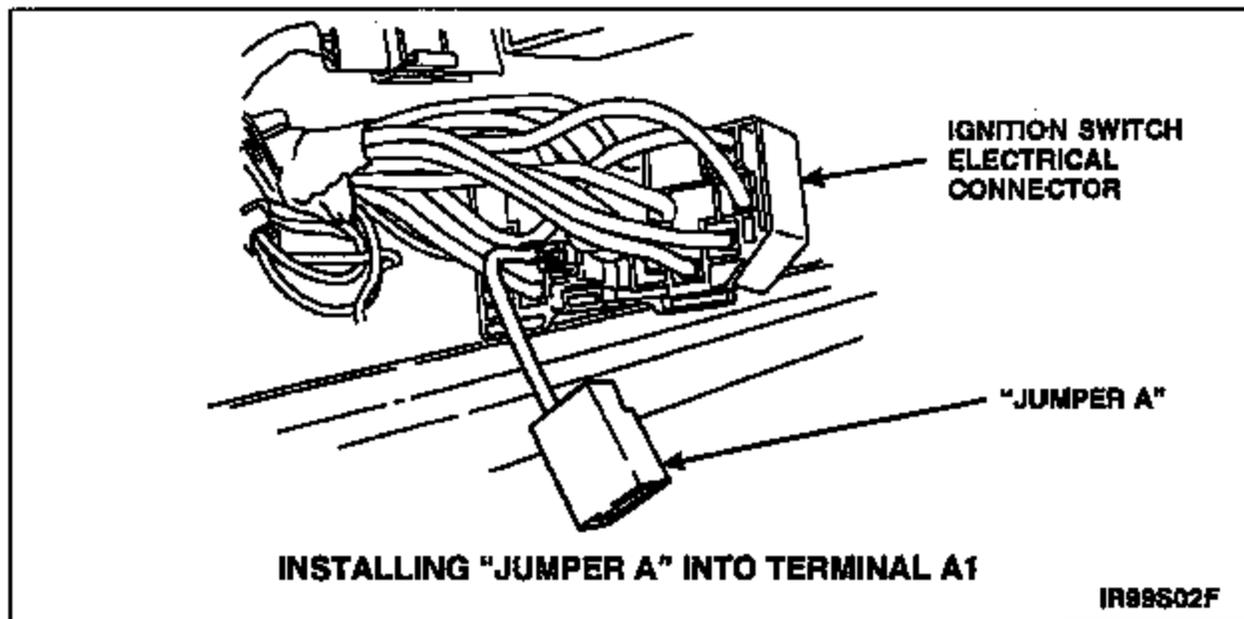


FIGURE 6

9. Install black/light green wire, circuit 297, into open slot of "Jumper A" connector. See Figure 7.

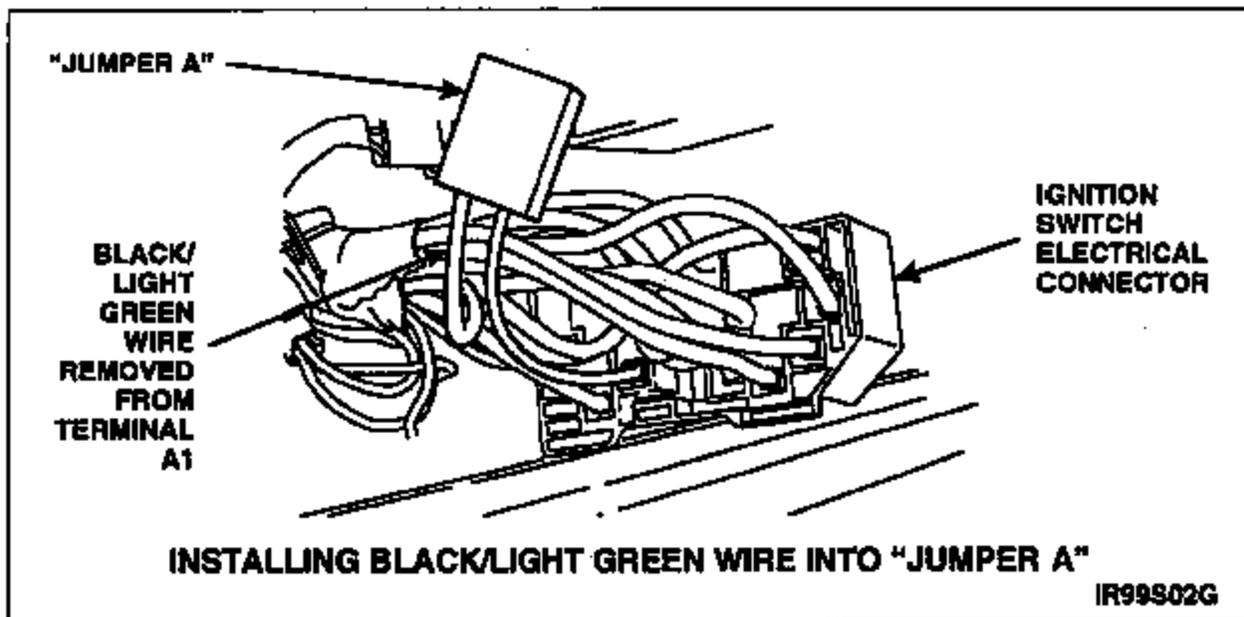


FIGURE 7



10. Remove yellow wire, circuit 37, from terminal B2 of Ignition switch electrical connector.
See Figure 8.

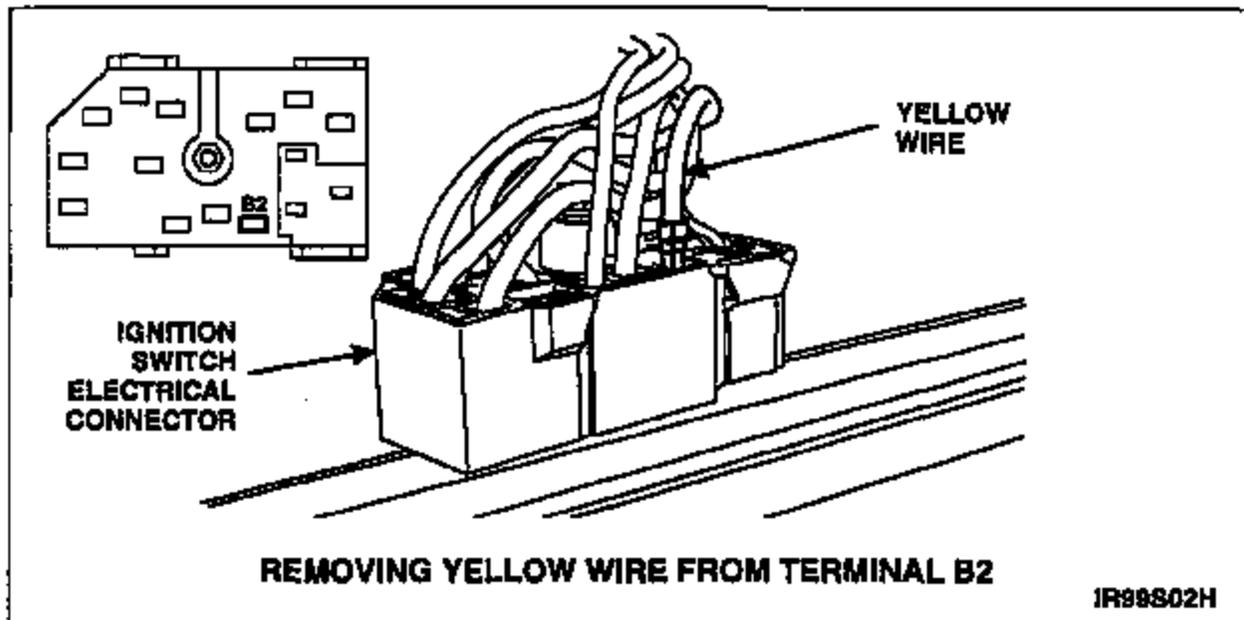


FIGURE 8

11. Install yellow wire, circuit 37, into loose 2-way connector in slot opposite the key way.
See Figure 9.

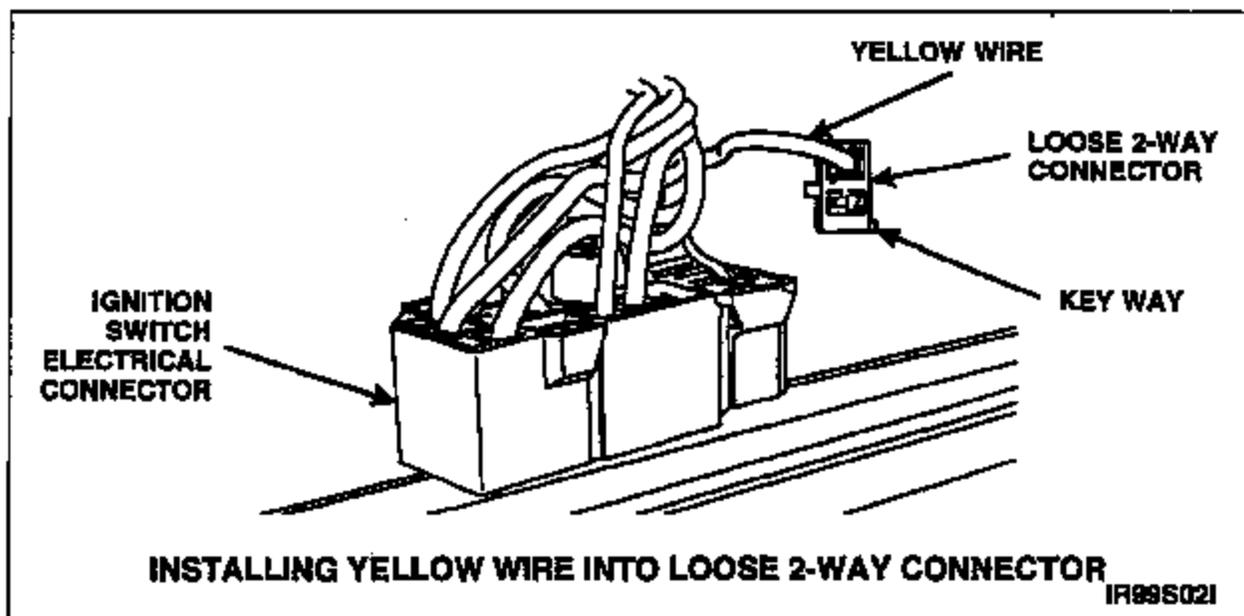


FIGURE 9

12. Remove gray/yellow wire, circuit 287, from terminal A2 of Ignition switch electrical connector.
See Figure 10.

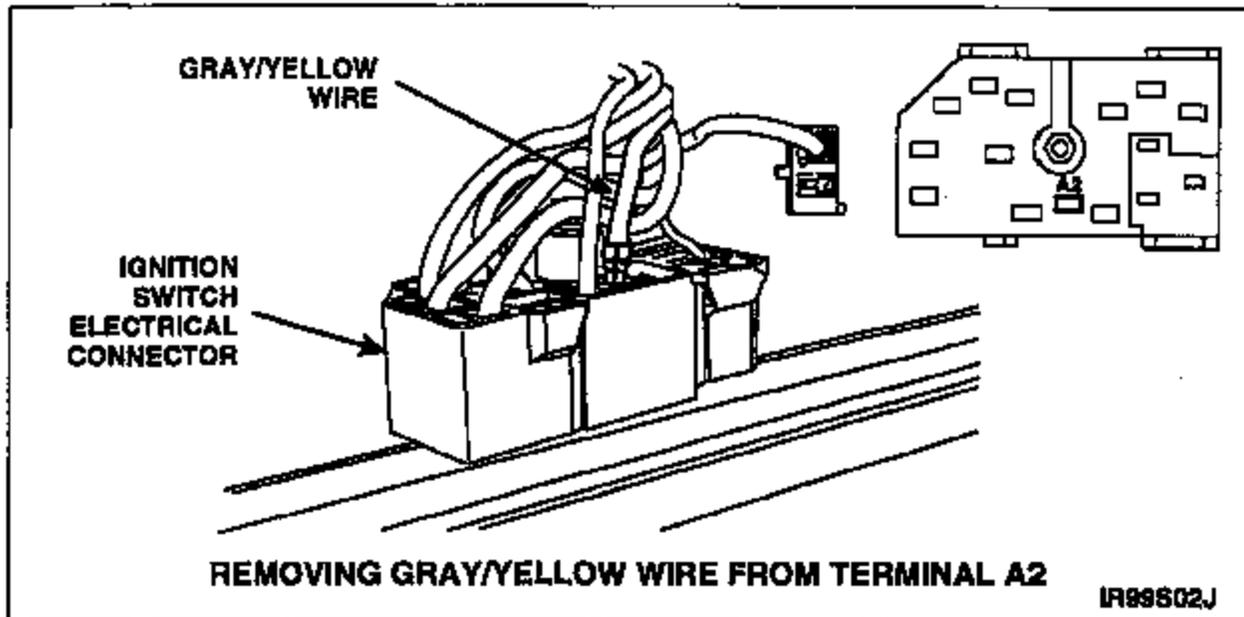


FIGURE 10

13. Install gray/yellow wire, circuit 287, into loose 2-way connector in slot next to the key way.
See Figure 11.

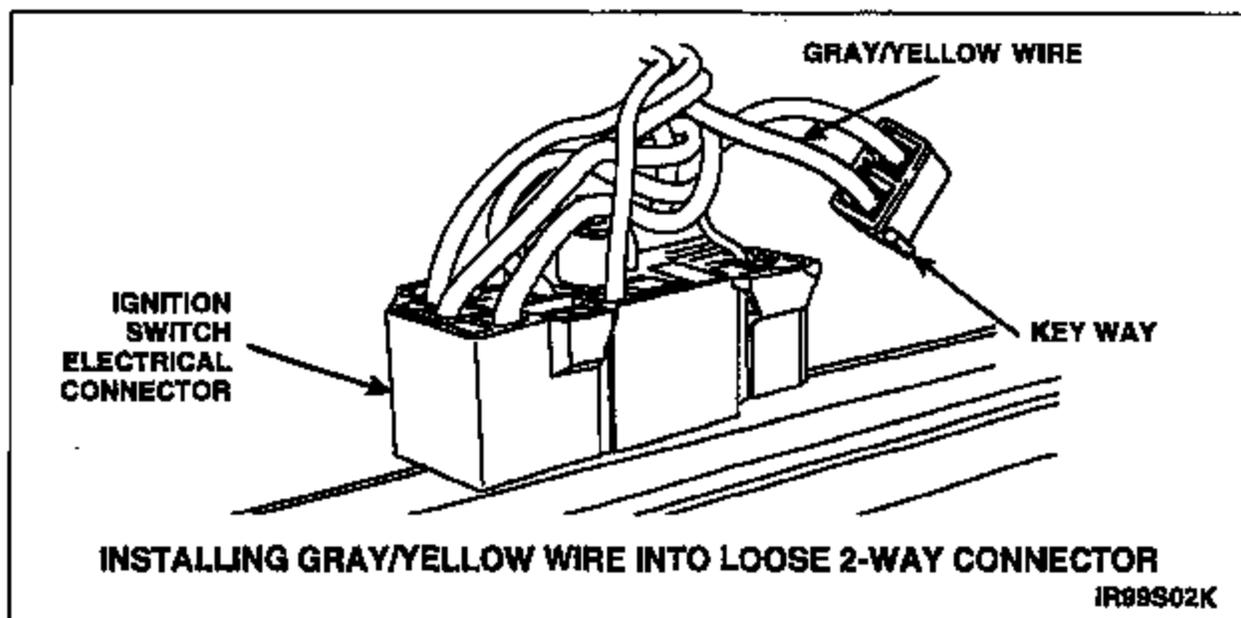
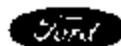


FIGURE 11



14. Install ignition switch electrical connector wiring shield and terminal locking plate.
15. Disconnect brake shift lock solenoid electrical connector. See Figure 12.

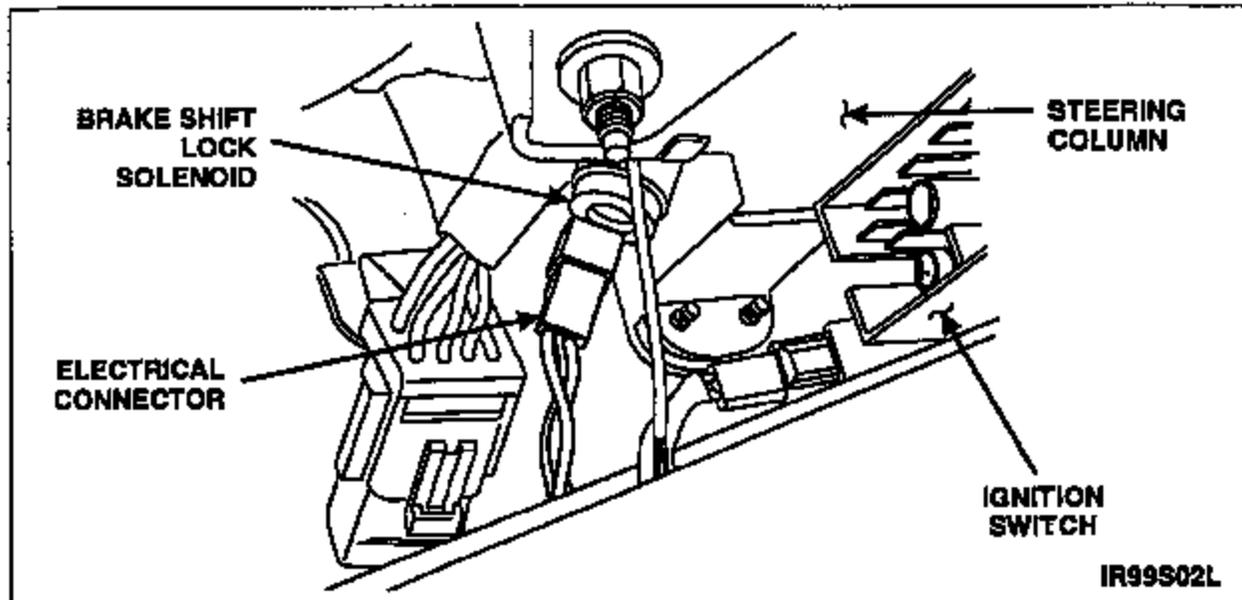


FIGURE 12

16. Remove locking wedge from brake shift lock solenoid electrical connector.
17. Remove black wire, circuit 57, from center terminal of brake shift lock solenoid electrical connector. See Figure 13.

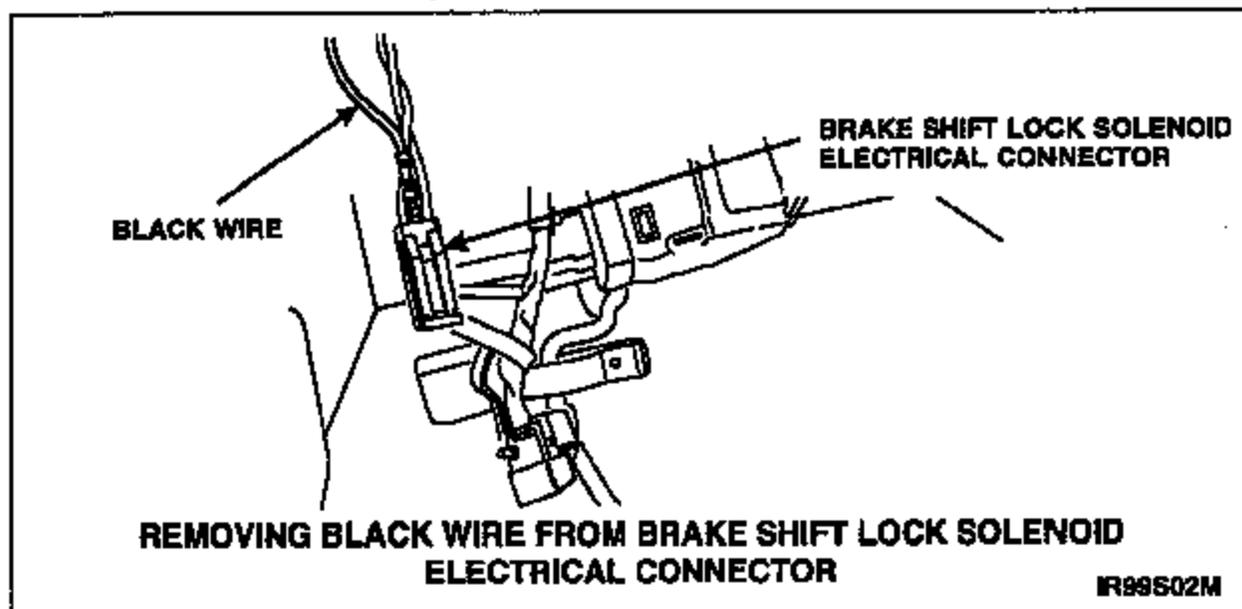


FIGURE 13

18. Install Black wire of "Jumper B" into center terminal of brake shift lock solenoid electrical connector. See Figure 14.

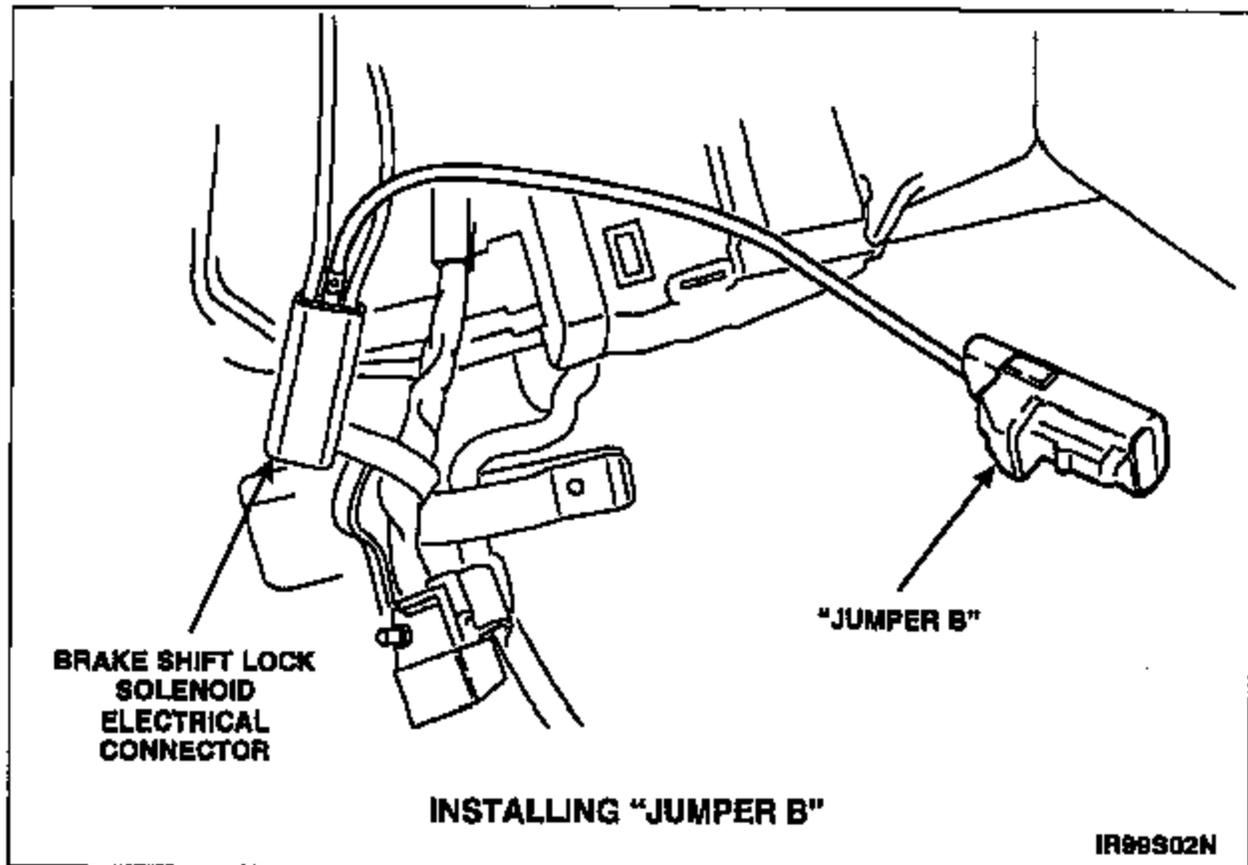
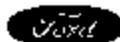


FIGURE 14

19. Install locking wedge into brake shift lock solenoid electrical connector.
20. Remove locking wedge from "Jumper B" electrical connector.



21. Install black wire, circuit 57 (removed from brake shift lock solenoid electrical connector) into either open slot of "Jumper B." See Figure 15.

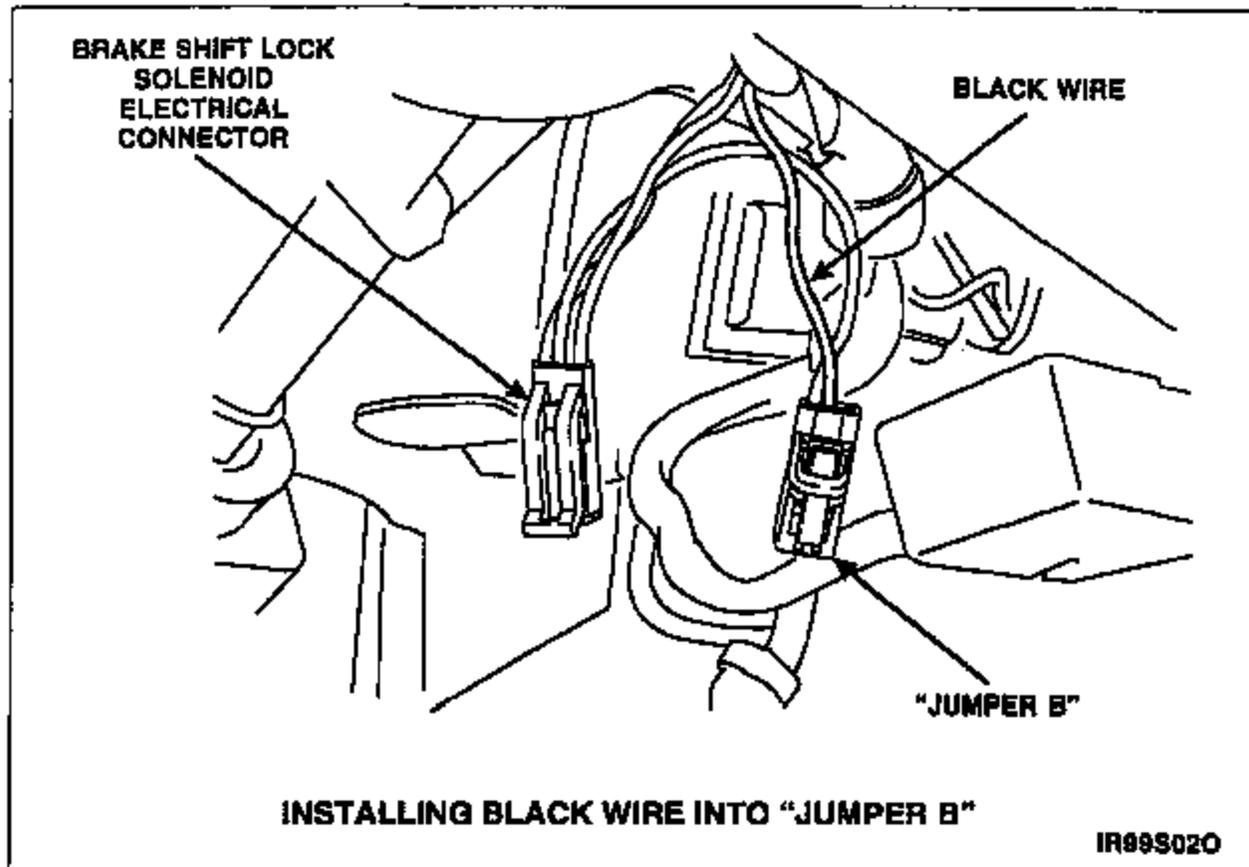
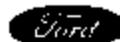


FIGURE 15

22. Install locking wedge into "Jumper B" electrical connector.
23. Connect brake shift lock solenoid electrical connector.
24. Install ignition switch electrical connector. Tighten retaining screw securely.



25. Connect relay harness to the three (3) open electrical connectors. Connector halves will only mate with their correct opposite halves. See Figure 16.

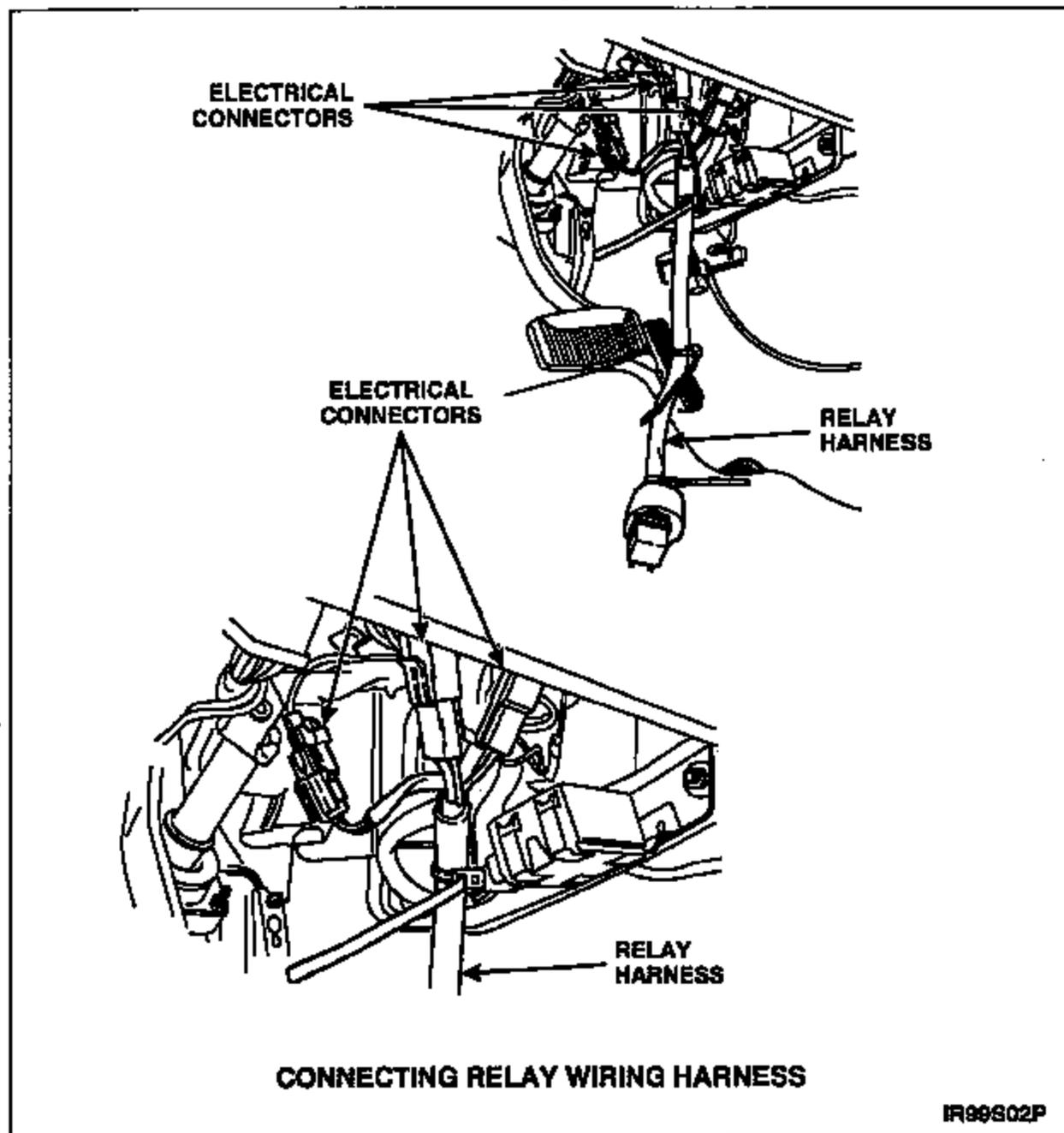


FIGURE 16



26. Using foam tape, wrap both gray electrical connectors together. Refer to Figure 17.
27. Using foam tape, wrap black electrical connector. See Figure 17.

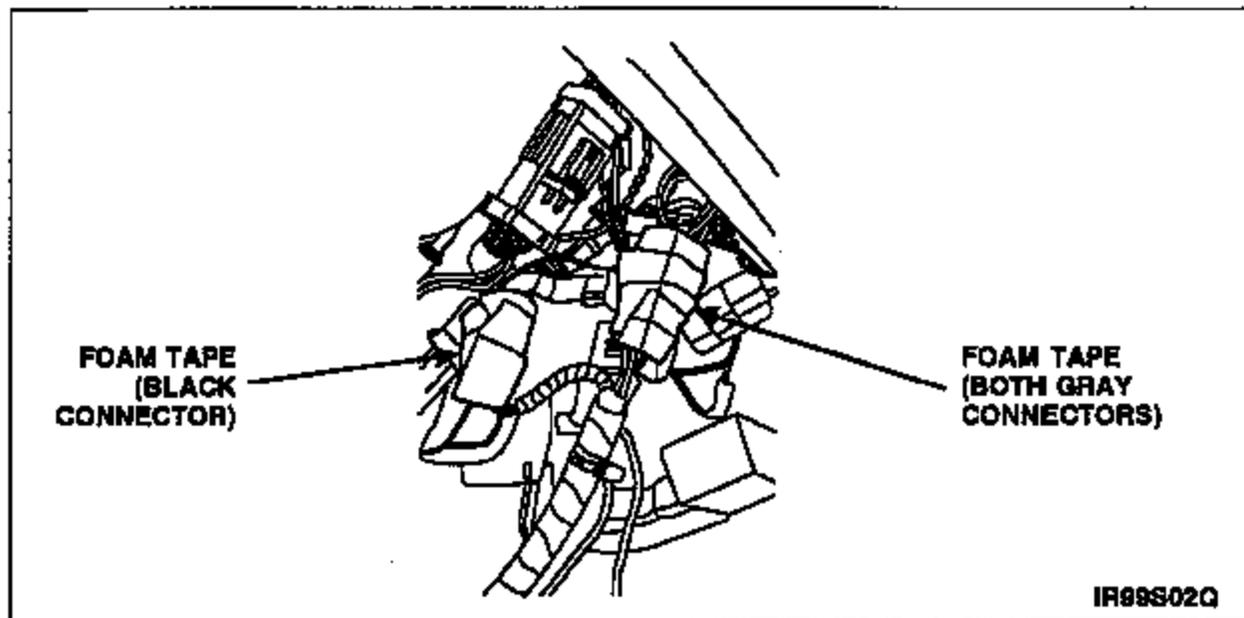


FIGURE 17

28. Using the straps on relay harness, secure relay harness as shown in Figure 18. Make sure relay is accessible for service. See Figure 18.

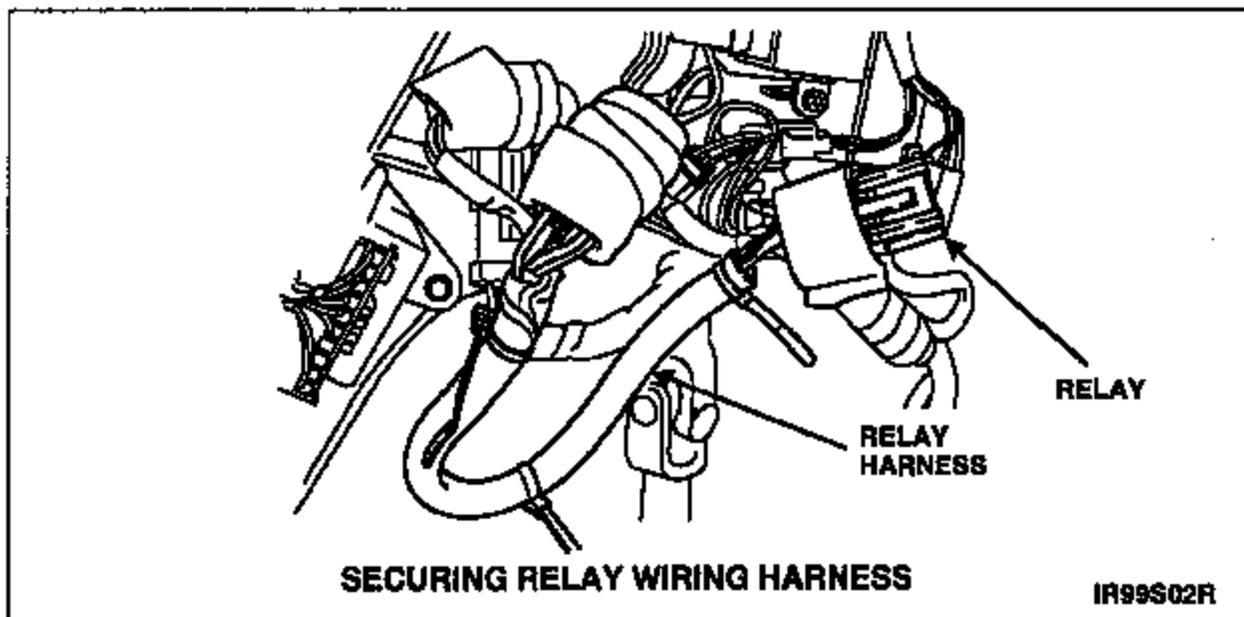
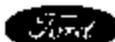


FIGURE 18



29. Trim tie straps.
30. Install instrument panel reinforcing panel. Tighten retainers to 10-14 Nm (7-10 lb-ft).
31. Install knee bolster.
32. Connect battery negative cable.
33. Start engine and verify modification as follows:
 - o Turn blower motor to HIGH.
 - o Turn radio on.
 - o Check brake shift interlock system by trying to shift from Park to any other gear without depressing brake pedal.
 - o If any of the above components were operational before the modification and are not operational now, repeat the Service Procedure.
34. Program radio stations.



CPR of 1999 FORD MOTOR COMPANY
DEARBORN, MICHIGAN 48121

2/99



A. R. O'Neill
Director
Vehicle Service and Programs
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

99S02

March, 1999

Mr. John Sample
123 Main Street
Anywhere, USA 12345

Serial Number: 12345678901234567

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Ford Motor Company has determined that a defect which relates to motor vehicle safety exists in all 1992 through 1997 Aerostar vehicles.

SAFETY DEFECT

The affected vehicles were produced with a higher than specified electrical load through an accessory power circuit that connects to the ignition switch. Over time, this overload condition could create a short circuit resulting in overheating of electrical components in the steering column and potentially a vehicle fire. The operator may be forewarned by a smoke odor or a popping noise from the steering column. Upon turning the key off, the short is eliminated.

REPAIRS

At no charge to you, your dealer will re-route the accessory power circuit through a relay. Dealers currently have instructions and parts ordering information.

HOW LONG WILL IT TAKE?

The time needed for this service is less than one-half day. However, due to service scheduling times, your dealer may need your vehicle for a longer period. Please call your dealer for a service date.

CALL YOUR DEALER

Please call your dealer without delay. Ask for a service date and whether parts are in stock for Safety Recall 99S02.

If your dealer does not have the parts in stock, they can be ordered before scheduling your service date. Parts would be expected to arrive within a week.

When you bring your Aerostar in, show the dealer this letter. If you misplace this letter, your dealer will still do the work, free of charge.

REFUNDS

If you paid to have the ignition switch replaced for this condition before the date of this letter, Ford is offering a full refund. For the refund, please show your paid original receipt to your Ford dealer. To avoid delays, do not send receipts to Ford Motor Company.

CHANGED ADDRESS OR SOLD THE VEHICLE?

Please fill out the enclosed prepaid postcard and mail it to us if you have changed your address or sold the vehicle.

If the dealer doesn't make the repair promptly and without charge, you may contact the Ford Customer Assistance Center, 16800 Executive Plaza Drive, P.O. Box 6248, Dearborn, Michigan 48121. You also may send a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S. W., Washington, D. C. 20590 or call the toll free Auto Safety Hotline 1-800-424-9393 (Washington, D. C. area residents may call 366-0123).

We regret the inconvenience this service may cause you, but we want you to have the work done for your safety and satisfaction with your Ford-built product.

Sincerely,



A. R. O'Neill
Director
Vehicle Service and Programs



Service Recall Bulletin

99V-029

June, 1999

TO: All Ford Dealers

SUBJECT: Safety Recall 99S02, Supplement #1 - All 1992 through 1997 Model Year Aerostar Vehicles - Accessory Power Circuit, Service Kit Part Number Revision, Manual Transmission Recall Service Procedure

REF: Safety Recall Bulletin 99S02, dated March 1999

The purpose of this bulletin is to advise you that new Technical Instructions for Safety Recall Program 99S02 are released for immediate use when servicing all affected Aerostar vehicles.

Service Kit Part Number Revision Information - Refer to Attachment II

Service kit part number F89Z-14A411-BA will be replaced by service kit part number F89Z-14A411-BB. The kit number is being updated to include a new instruction sheet with an updated service procedure. Dealers are to continue using the "BA" level kit for 99S02 repairs, however, you are requested to discard the instruction sheet in the "BA" kit and use the new instructions included with this bulletin. (Attachment III)

The only difference between the "BA" and "BB" service kit is the revised Technical Instruction Sheet. Component parts included in the kit remain the same.

ADDITIONAL COPIES OF THE ATTACHMENT III TECHNICAL INSTRUCTIONS ARE INCLUDED IN THIS MAILING FOR DISTRIBUTION TO DEALERSHIP TECHNICIANS.

Manual Transmission Recall Service Procedure - Refer to Attachment III

Steps required to properly repair Aerostar vehicles equipped with a manual transmission are also included in the technical instructions.

Accessory Components Operate With Key in ACCESSORY Position - Refer to Attachment III-b

Vehicles repaired using the original Technical Instructions were inadvertently modified to allow the operation of the heater blower, brake shift interlock, rear window defogger, daytime running lamps (DRL) and multi-function switch (windshield wipers) with the key in the ACCESSORY position. Attachment III-b provides information to modify the jumper harness wiring so that the accessory components will be operational only with the key in the RUN position.

ADDITIONAL COPIES OF THE ATTACHMENT III-b TECHNICAL INSTRUCTIONS ARE ALSO INCLUDED IN THIS MAILING FOR DISTRIBUTION TO DEALERSHIP TECHNICIANS.

RECALL PROCEDURES

Refer to Attachment III-a included in this dealer communication. The specific changes which were made to the technical instructions are listed, for reference.

AFFECTED VEHICLES

All 1992 through 1997 model year Aerostar vehicles produced Job #1-1992 through the end of 1997 model year production.

REASONS FOR RECALL

The affected vehicles were produced with a higher than specified electrical load through an accessory power circuit that connects to the ignition switch. Over time, this overload condition could create a short circuit resulting in overheating of electrical components in the steering column and potentially a vehicle fire. The operator may be forewarned by a smoke odor or a popping noise from the steering column. Upon turning the key off, the short is eliminated.

SERVICE ACTION

To correct this condition, an accessory power circuit relay will be installed which will re-route electrical loads.

ATTACHMENTS

Attachment I

- Administrative Information

Attachment II

- Labor Allowances
- Parts Ordering Information

Attachment III

- Technical Instructions (*Revised*)

Attachment III-a

- Technical Instruction Revision Table

Attachment III-b

- Technical Information (*Wiring modification for vehicles repaired using original Recall Technical Instructions*)

QUESTIONS?

Claims Information 1-800-423-8851

Other Recall Questions 1-800-325-5821

Sincerely,



A. R. O'Neill
Director
Vehicle Service and Programs

Safety Recall 99S02 - All 1992 through 1997 Model Year
Aerostar Vehicles - Accessory Power Circuit, Supplement # 1

OASIS

Use OASIS to determine if a vehicle is eligible for this recall.

PLEASE NOTE

Correct all vehicles in stock before delivery. Federal law requires dealers to complete any outstanding safety recall service before a new vehicle is delivered to the buyer or lessee.

Violation of this requirement by a dealer could result in a civil penalty of up to \$1,100 per vehicle.

PROMPTLY CORRECT

Affected vehicles on the enclosed list.

Other eligible vehicles which are brought to your dealership.

DEALER-OWNER CONTACT

Immediately contact any affected owner whose name is not on the list. Give owner a copy of the Owner Letter and schedule a service date.

REGIONAL CONTACT

Advise regional office if:

- an owner cannot be contacted.
- an owner does not make a service date.

CLAIMS SUBMISSION

Enter claims using DWE. See ACESII Manual, Sections 5 and 6.

REFUNDS

See ACESII Manual, Section 3 for submission procedures.

Program Code	-	99S02
Misc. Expense	-	REFUND
Misc. Expense	-	ADMIN
Misc. Expense	-	0.2 Hrs.

**Safety Recall 99S02 - All 1992 through 1997 Model Year
Aerostar Vehicles - Accessory Power Circuit, Supplement # 1**

LABOR ALLOWANCES

Install A2 and B2 Circuit Relay Wiring Harness

0.6 Hrs.

Labor Operation 99S02B

Rework A1 and B1 Circuit Relay Wiring Harness To A2 and B2 Circuit

0.5 Hrs.

Labor Operation 99S02C

Administrative Allowance

0.1 Hrs.

Misc. Expense Code "ADMIN"

PARTS REQUIREMENTS

Parts will not be direct shipped for this recall. Order parts requirements through normal order processing channels.

ORDER TYPE

Stock
Interim
Emergency
Emergency

EFFECTIVE

Immediately
Immediately
After July 1, 1999
Before July 1, 1999

ORDER PROCESS

Normal
Normal
Normal
Call 1-800-325-5621

PART NUMBER

F89Z-14A411-BA

-OR-

F89Z-14A411-BB

DESCRIPTION

Kit, Accessory Power Circuit Relay

Kit, Accessory Power Circuit Relay

DEALER PRICE

For latest prices, check or call your:

- Order Processing Center
- DOES II
- Updated Price Book

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

**Safety Recall 99S02 - All 1992 through 1997 Model Year
Aerostar Vehicles - Accessory Power Circuit, Supplement # 1**

RECALL TECHNICAL INSTRUCTION REVISIONS

Revisions were made to the Technical Instructions to address several issues that were raised by dealers after the initial launch of Safety Recall Program 99S02.

A summary of the revisions are listed below:

Step # 7. - Revised circuit used for relay installation from A1 to A3.

Step # 8. - Circuit A3 used for "Jumper A" installation.

Step # 15. - Addresses the location of the brake shift interlock solenoid electrical connector for manual transmission equipped vehicles

Step # 35. - Revised verification procedure for operation of brake shift interlock (for vehicles equipped with automatic transmission) and blower motor operation.

Step # 36. - Additional verification procedure to ensure accessories (brake shift interlock, for vehicles equipped with automatic transmission; blower motor, for vehicles equipped with manual transmission; daytime running lamps [DRL] for Canadian vehicles) DO NOT operate with the key in the ACCESSORY position.

ACCESSORY POWER CIRCUIT WIRING MODIFICATION

AFFECTED VEHICLES: 1992-1997 MODEL YEAR AEROSTAR

SERVICE PROCEDURE

Use the following Service Procedure to install a relay wiring harness into the ignition switch electrical connector. See Figure 1.

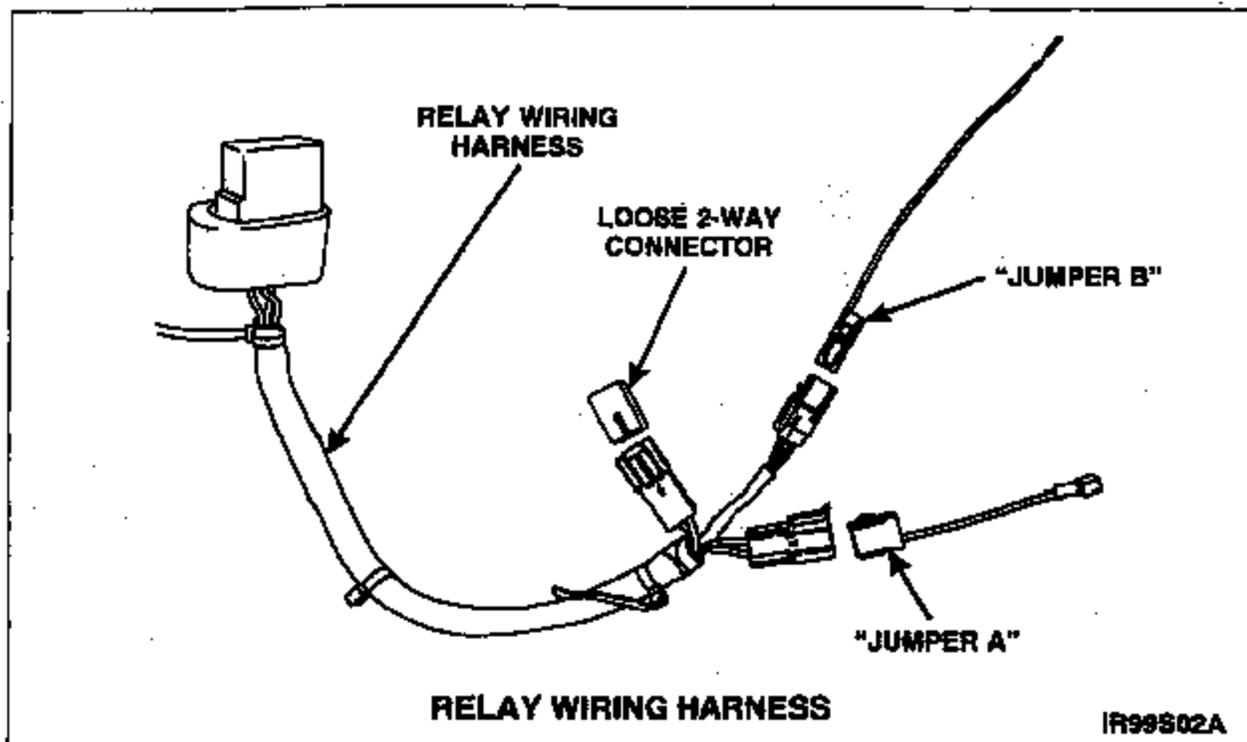


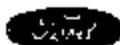
FIGURE 1

1. **NOTE:** The following test will establish a baseline for the verification test at the end of this Service Procedure.

Start the engine and perform the following:

- Turn the blower motor to HIGH.
- Turn the radio on.
- On vehicles equipped with automatic transmission, check brake shift interlock system by trying to shift from Park to any other gear without depressing the brake pedal.

2. Record the radio stations, then disconnect the battery negative cable.



3. Remove the knee bolster.
4. Remove the Instrument panel reinforcing panel. See Figure 2.

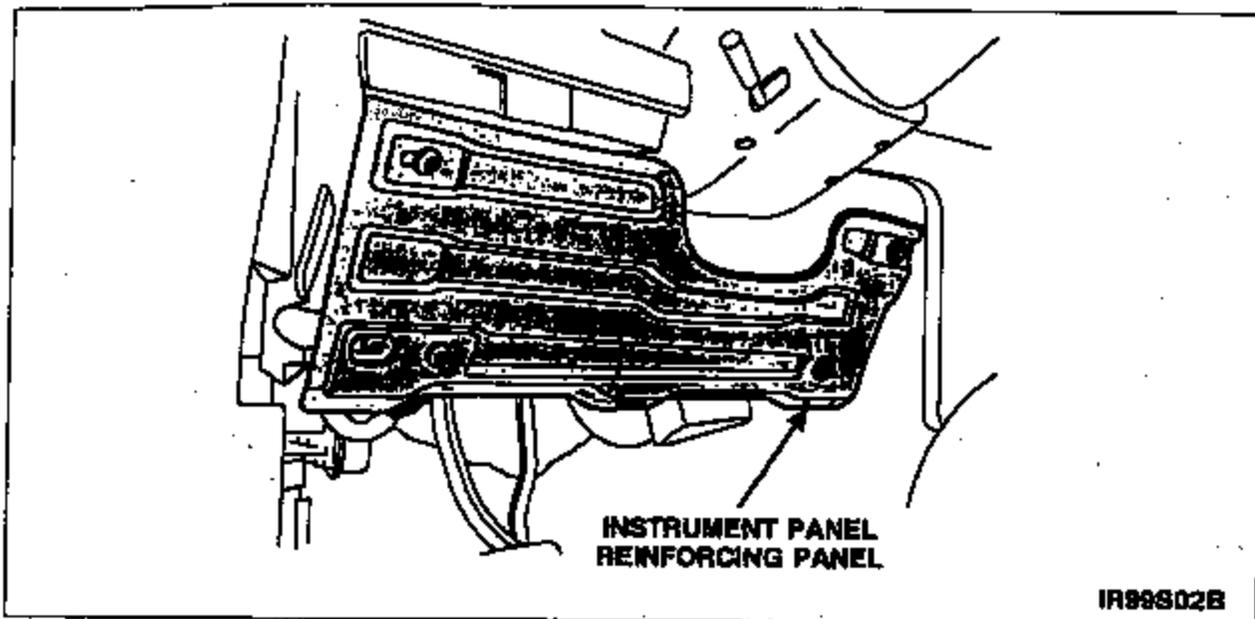


FIGURE 2

5. Completely loosen the ignition switch electrical connector retaining screw, then disconnect the ignition switch electrical connector. See Figure 3.

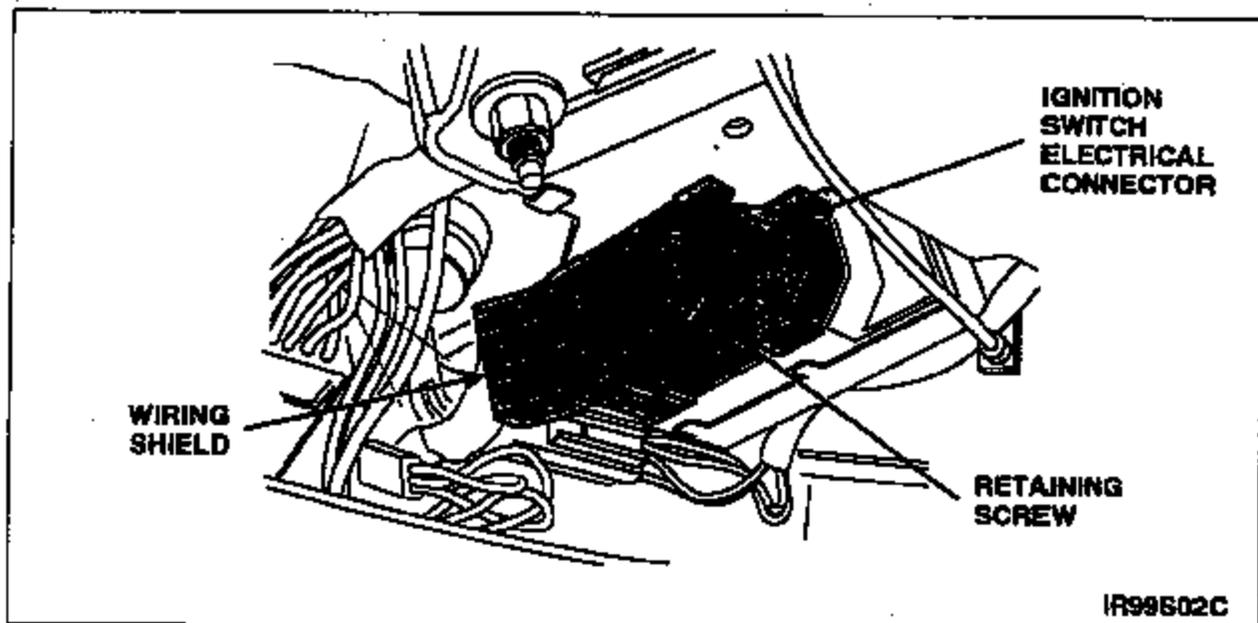


FIGURE 3



6. Remove the ignition switch electrical connector wiring shield and terminal locking plate.
See Figure 4.

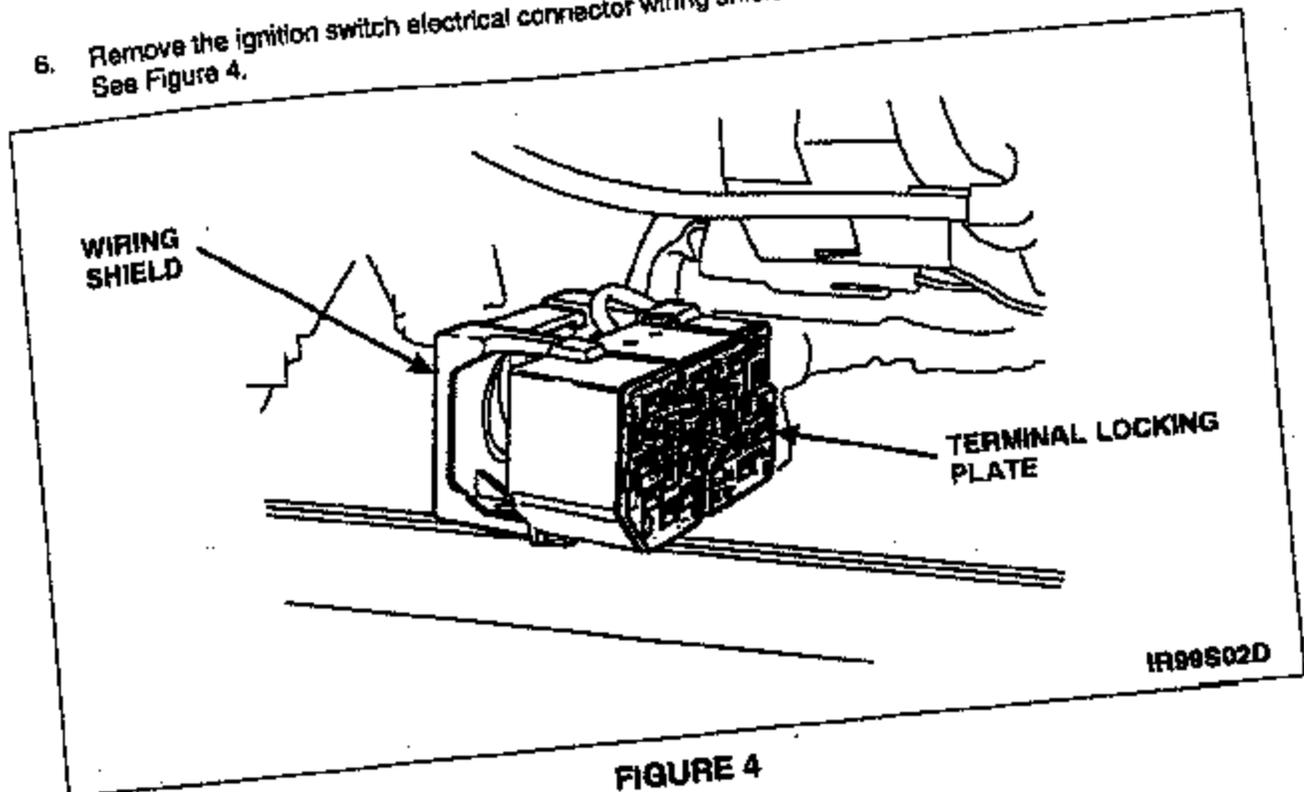


FIGURE 4

7. Remove the gray/yellow wire, circuit 687, from terminal A3 of the ignition switch electrical connector. See Figure 5.

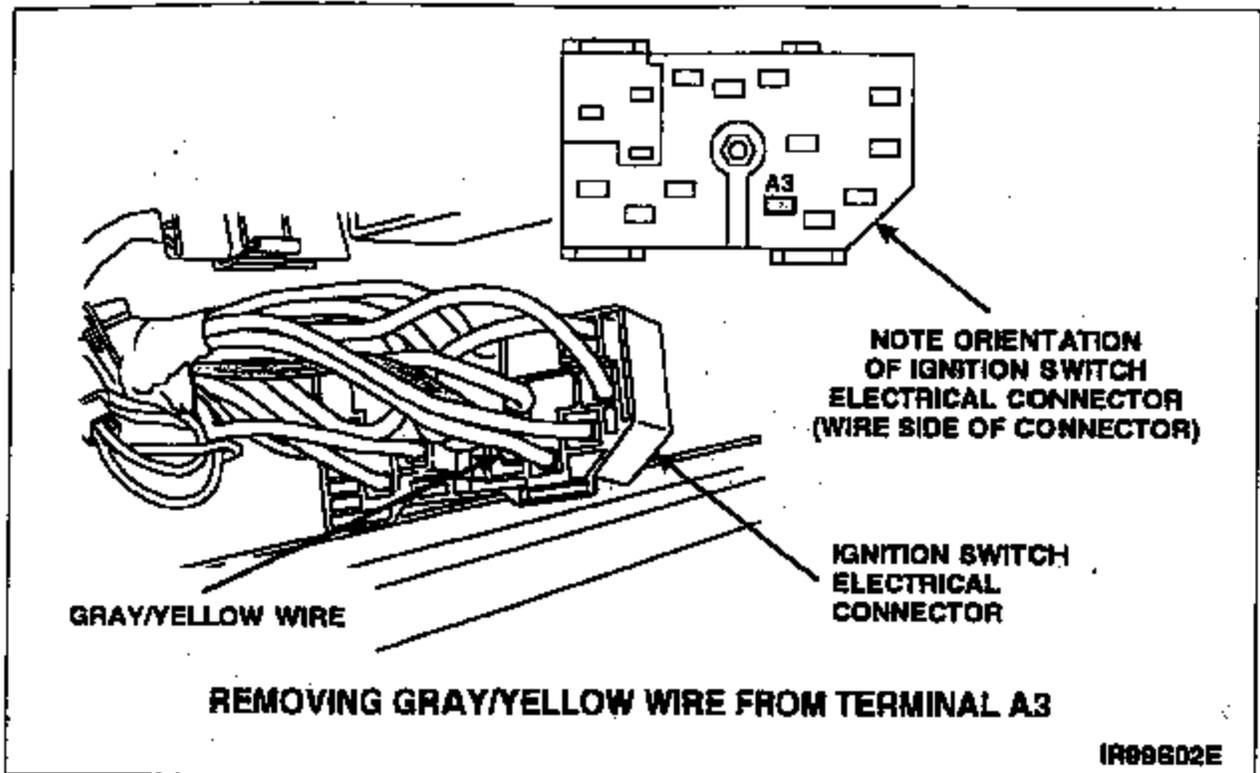
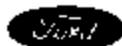


FIGURE 5



8. Install the black/light green wire of "Jumper A" into terminal A3 of the ignition switch electrical connector. See Figure 6.

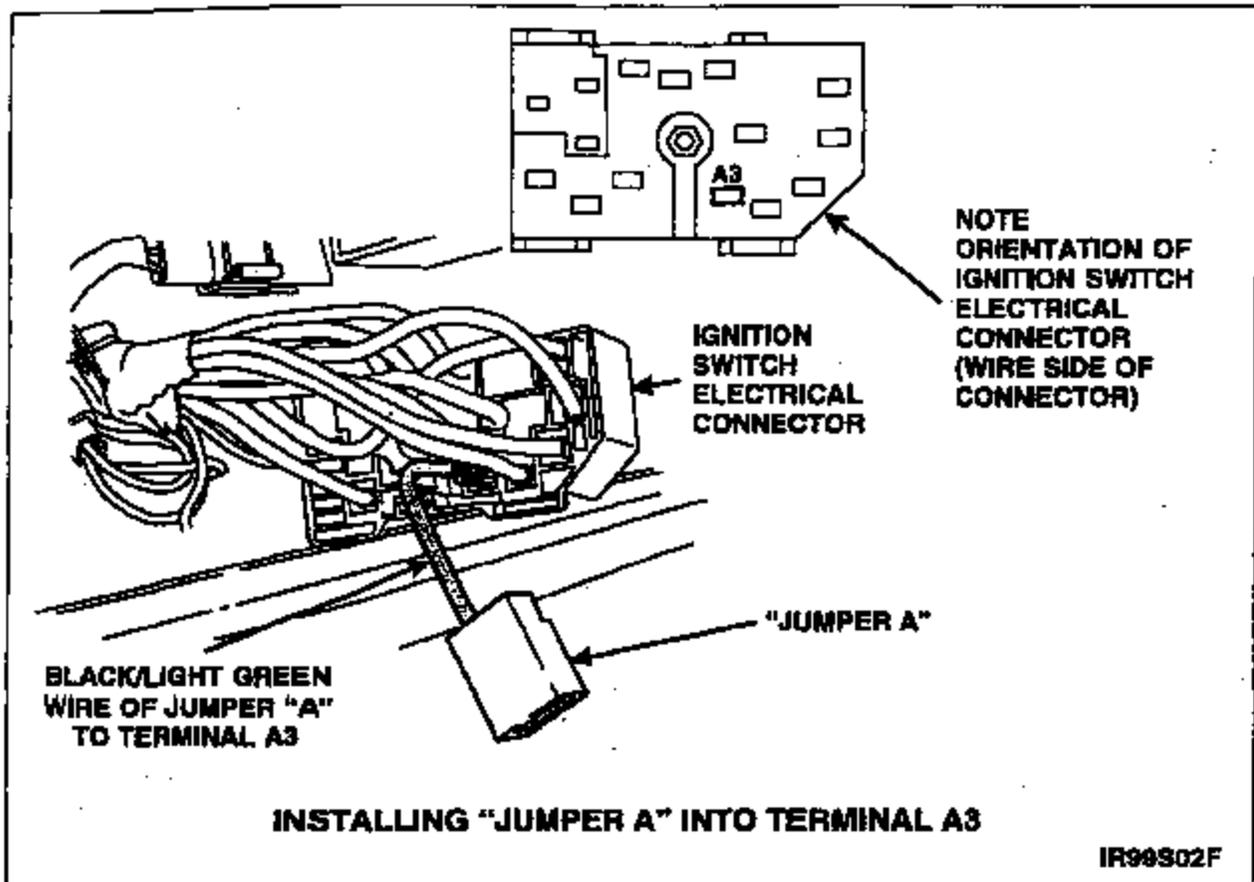


FIGURE 6



9. Install the gray/yellow wire, circuit 687, into the open slot of "Jumper A" connector. See Figure 7.

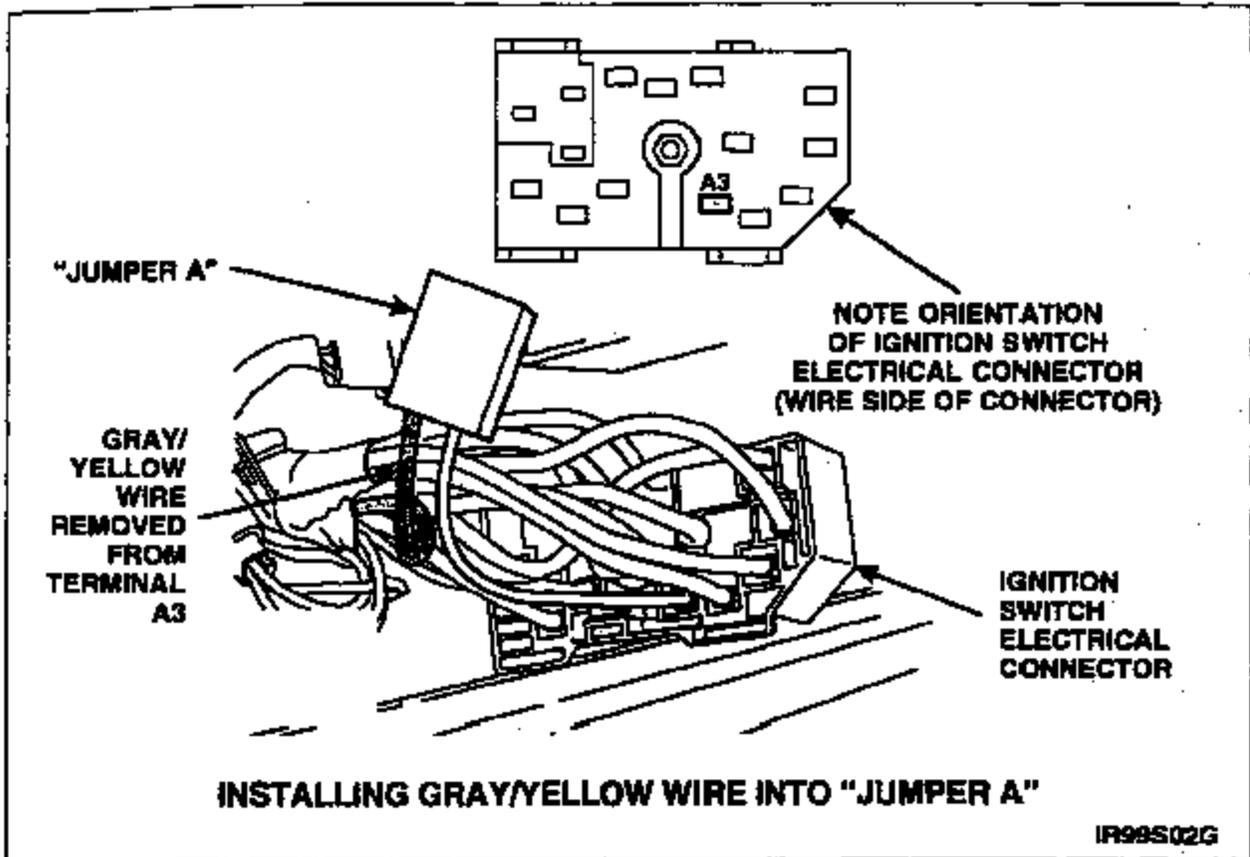
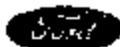


FIGURE 7



10. Remove the yellow wire, circuit 37, from terminal B2 of the ignition switch electrical connector.
See Figure B.

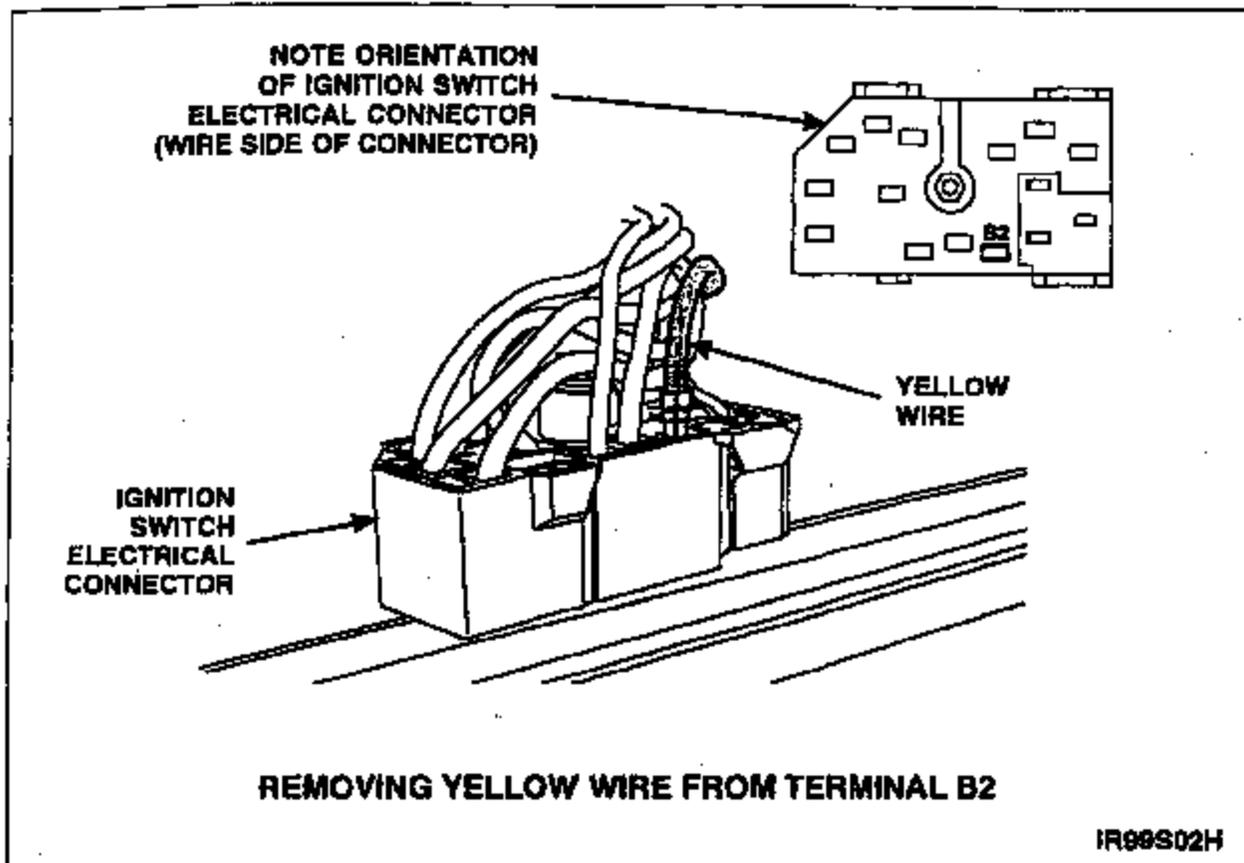
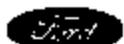


FIGURE 8



11. Install the yellow wire, circuit 37, into the loose, 2-way connector in the slot opposite the key way.
See Figure 9.

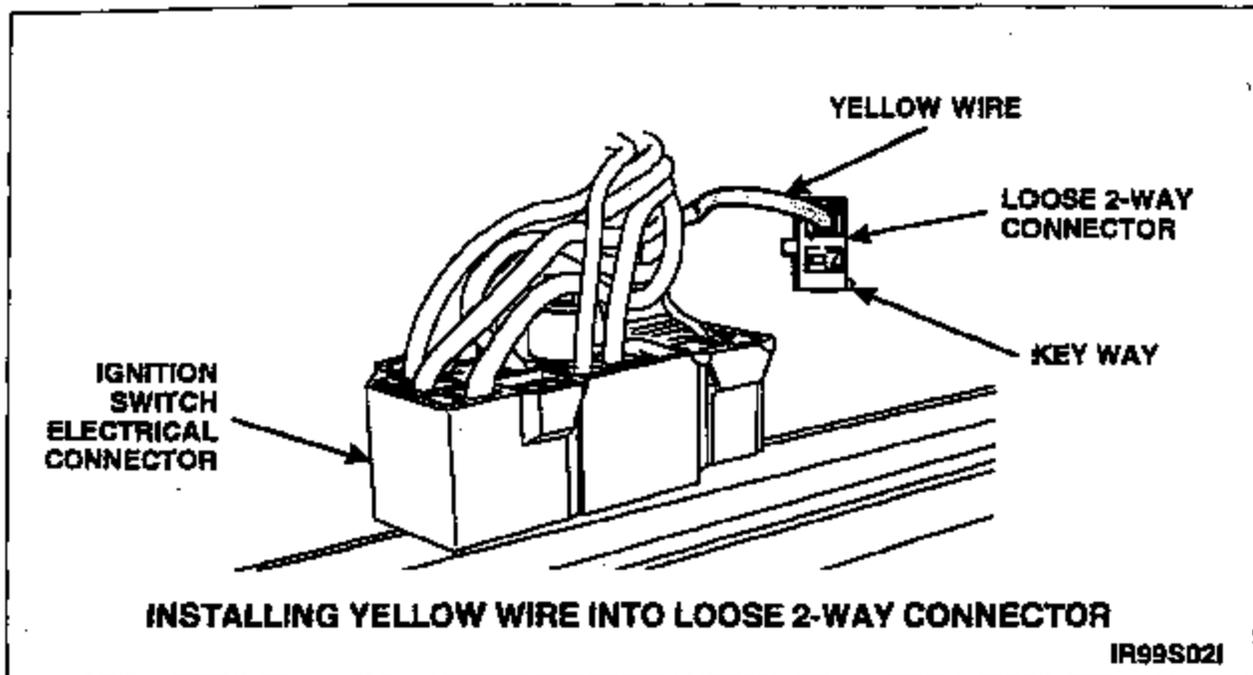


FIGURE 9



12. Remove the gray/yellow wire, circuit 687, from terminal A2 of the ignition switch electrical connector. See Figure 10.

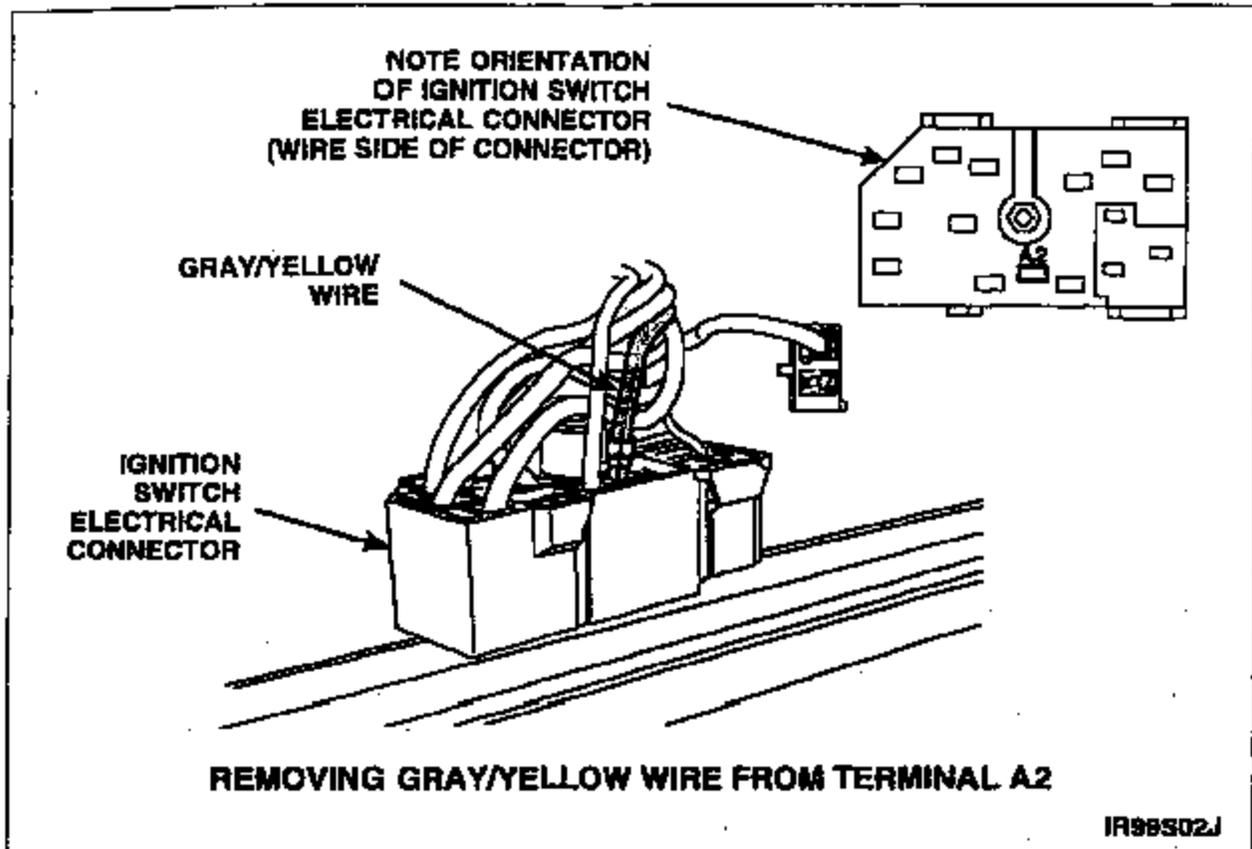


FIGURE 10



13. Install the gray/yellow wire, circuit 687, into the loose, 2-way connector in the slot next to the key way. See Figure 11.

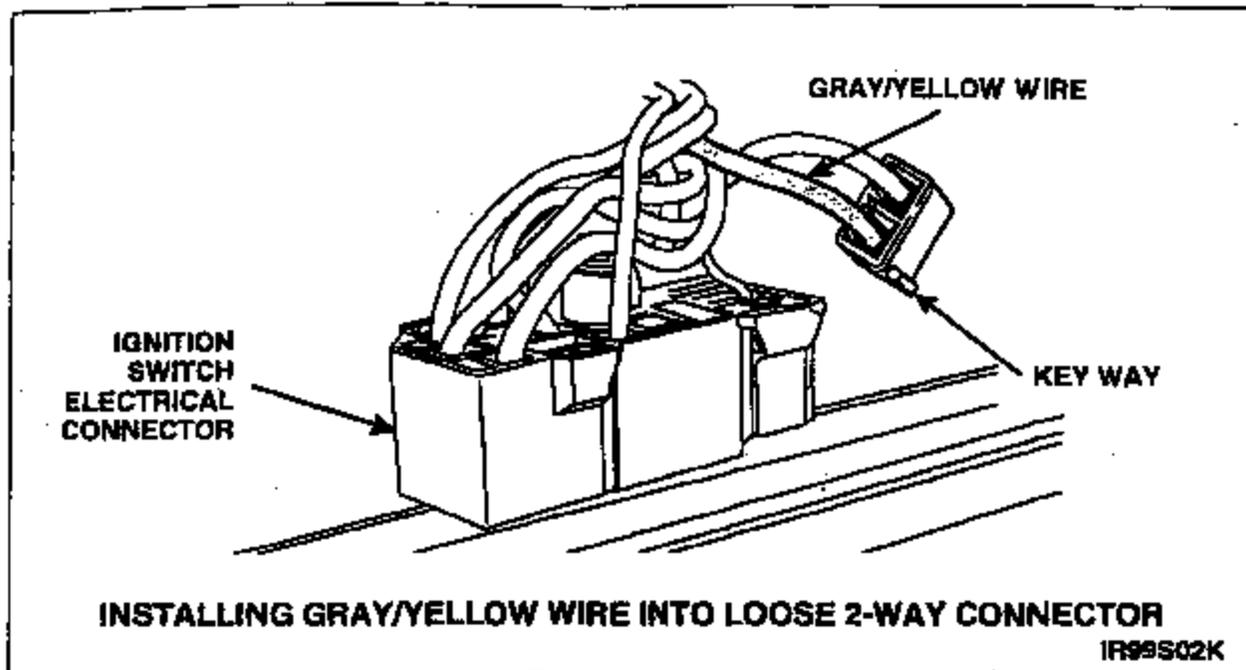
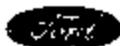


FIGURE 11

14. Install the ignition switch electrical connector wiring shield and terminal locking plate.
15. On manual transmission equipped vehicles, locate the unused brake shift lock solenoid electrical connector within the ignition switch wiring harness (under the paper tape). Access the electrical connector by tearing the paper tape (using fingers) on the wiring harness approximately 30 mm (1 inch) from the back of the ignition switch connector.



16. On automatic transmission equipped vehicles, disconnect the electrical connector from the brake shift lock solenoid. See Figure 12.

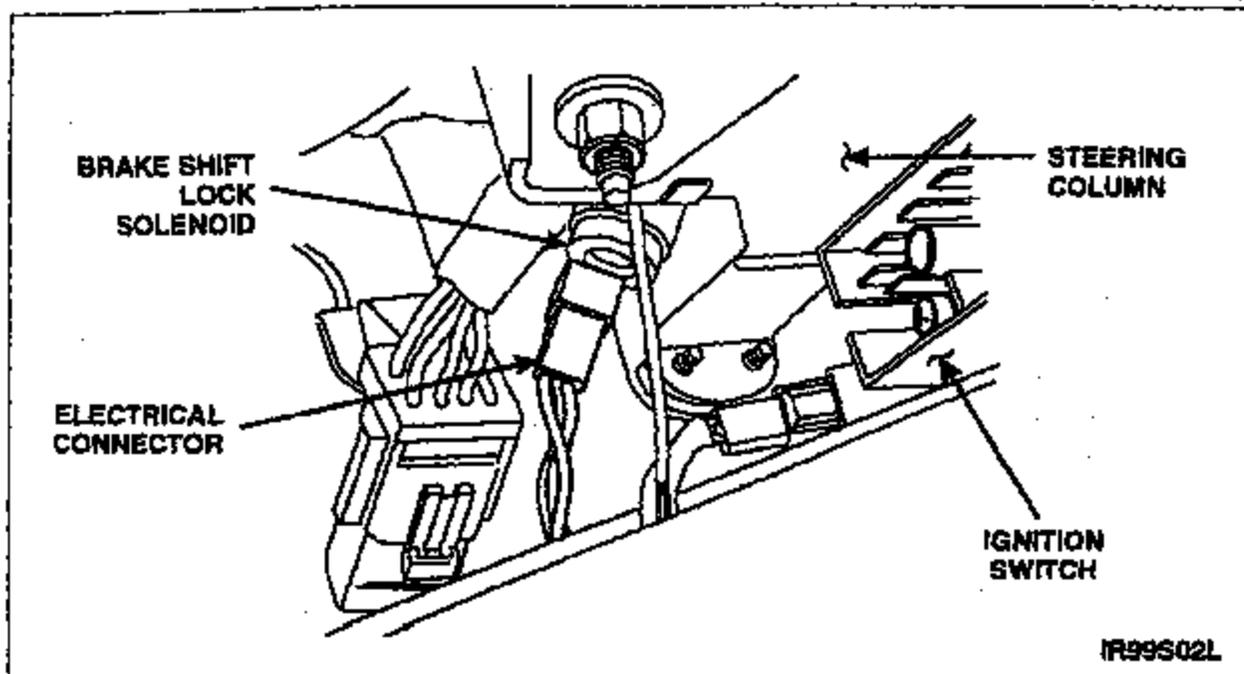
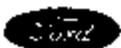


FIGURE 12



NOTE: Steps 17-23 apply to both manual and automatic transmission equipped vehicles.

17. Remove the locking wedge from the brake shift lock solenoid electrical connector.
18. Remove the black wire, circuit 57, from the center terminal of the brake shift lock solenoid electrical connector. See Figure 13.

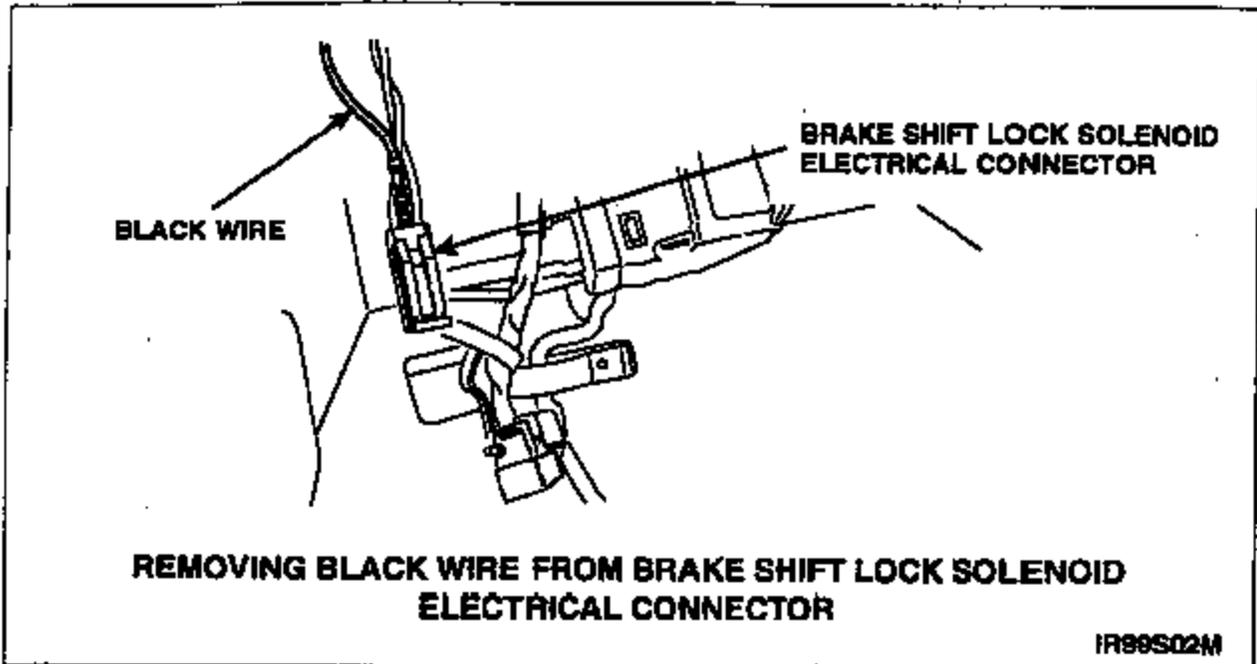
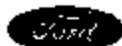


FIGURE 13



19. Install the black wire of "Jumper B" into the center terminal of the brake shift lock solenoid electrical connector. See Figure 14.

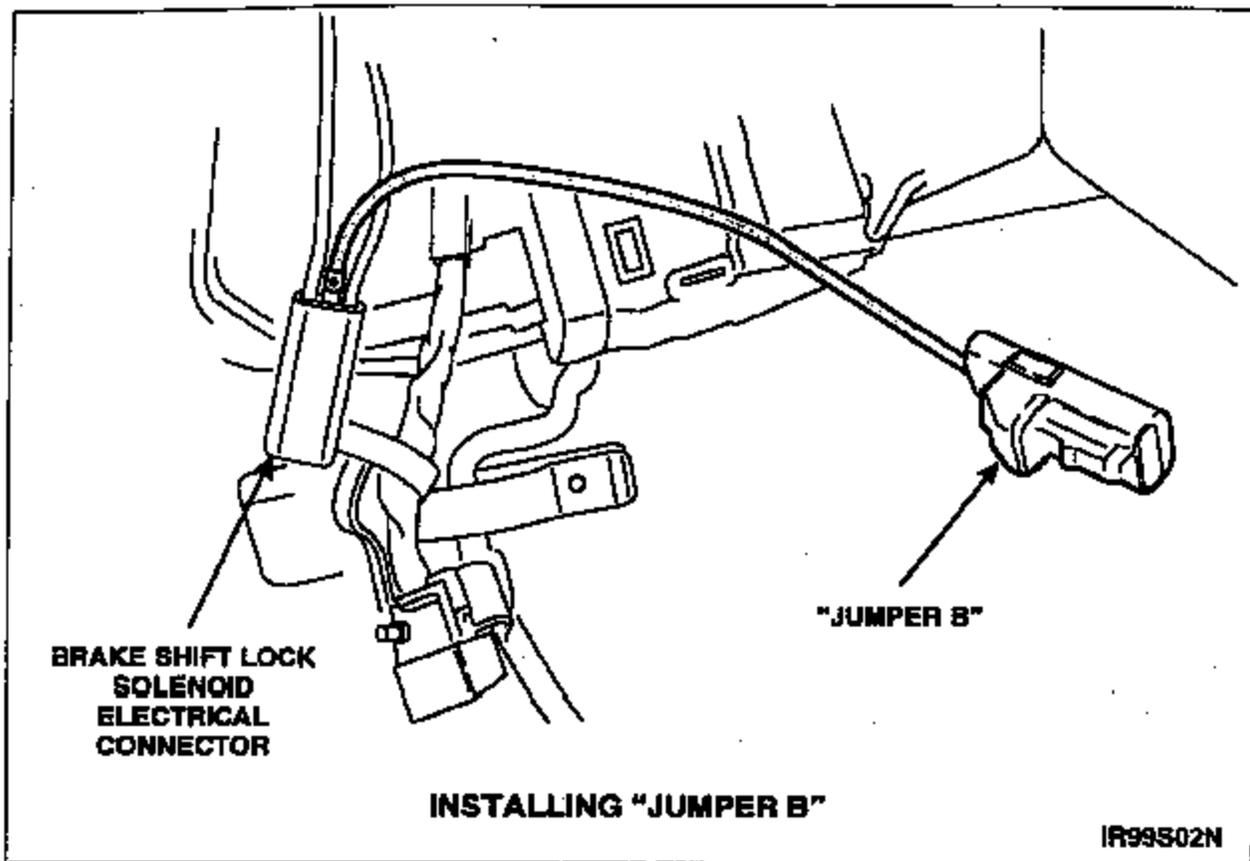
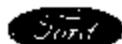


FIGURE 14

20. Install the locking wedge into the brake shift lock solenoid electrical connector.
21. Remove the locking wedge from the "Jumper B" electrical connector.



22. Install the black wire, circuit 57 (removed from the brake shift lock solenoid electrical connector) into either open slot of "Jumper B." See Figure 15.

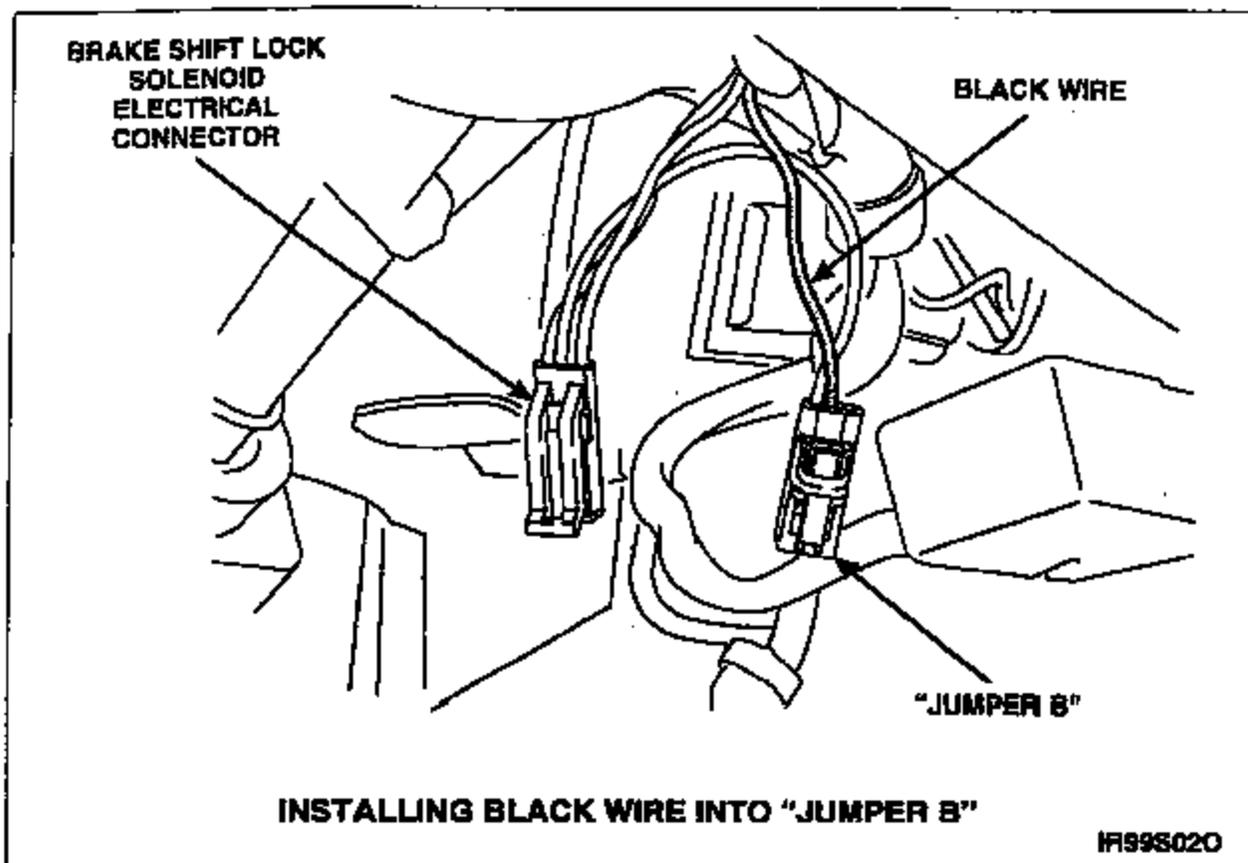


FIGURE 15

23. Install the locking wedge into the "Jumper B" electrical connector.
24. On manual transmission equipped vehicles, reposition the brake shift lock solenoid electrical connector within the wiring harness and rewrap the harness with electrical tape.
25. On automatic transmission equipped vehicles, connect the electrical connector to the brake shift lock solenoid.
26. Install the ignition switch electrical connector. Tighten the retaining screw securely.



27. Connect the relay harness to the three (3) open electrical connectors. Connector halves will only mate with their correct opposite halves. See Figure 16.

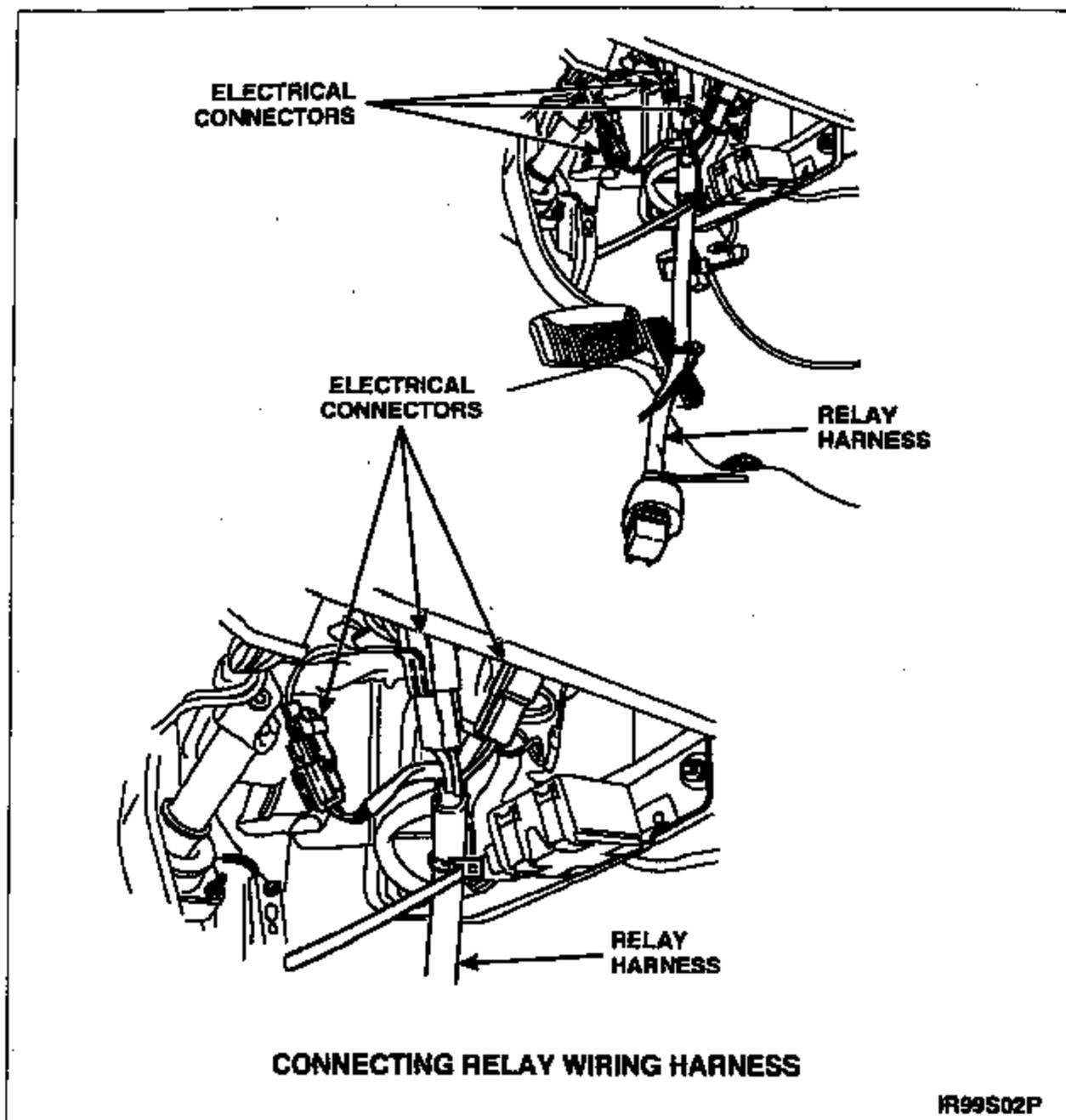


FIGURE 16



28. Using foam tape, wrap both gray electrical connectors together. See Figure 17.

29. Using foam tape, wrap the black electrical connector. See Figure 17.

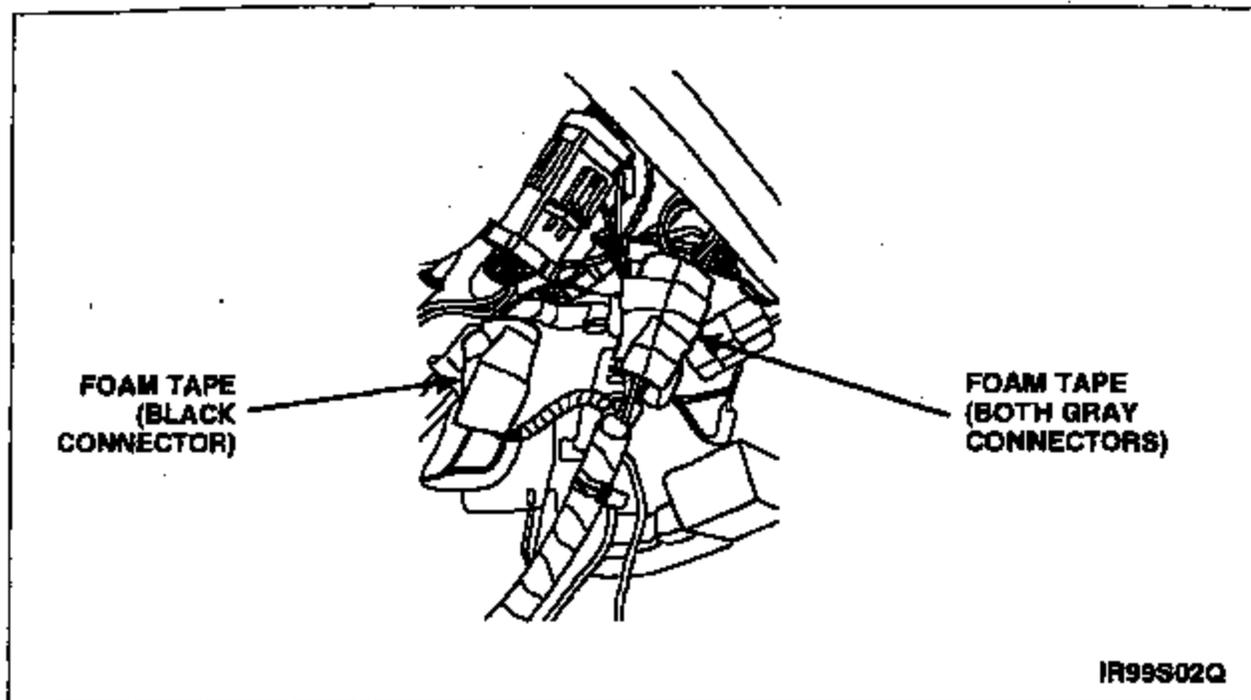


FIGURE 17

30. Using tie straps on the relay harness, secure the relay harness as shown in Figure 18. Make sure the relay is accessible for service.

NOTE: Make sure that the harness is away from all moving parts. See Figure 18.

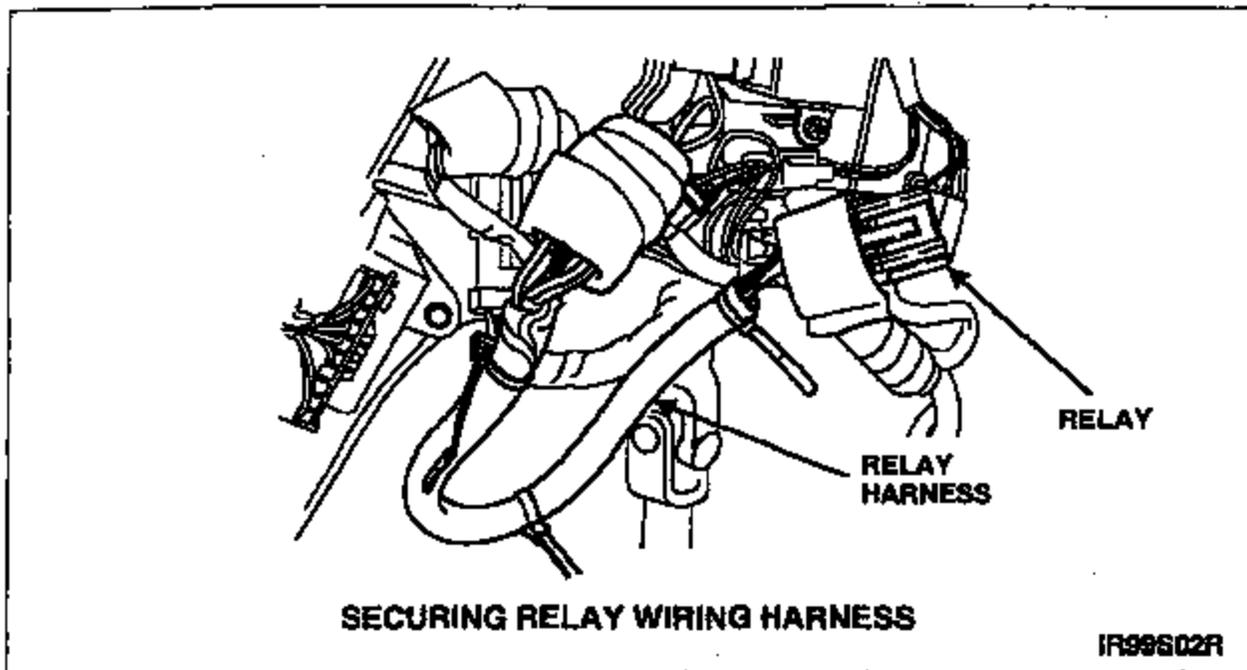
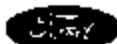


FIGURE 18

31. Trim the tie straps.
32. Install the instrument panel reinforcing panel. Tighten the retainers to 10-14 Nm (7-10 lb-ft).
33. Install the knee bolster.
34. Connect the battery negative cable.
35. Start the engine and verify the modification as follows:
- Turn the blower motor to HIGH.
 - Turn the radio on.
 - On vehicles equipped with automatic transmission, check the brake shift interlock system by trying to shift from Park to any other gear without depressing the brake pedal.
- NOTE: If any of the above components were working before the modification and are not working now, repeat the Service Procedure.
36. Turn the ignition key to the accessory position, then turn the blower motor to HIGH. If the blower motor operates in the accessory position, repeat the Service Procedure.
37. Program the radio stations.



ACCESSORY POWER CIRCUIT WIRING MODIFICATION

AFFECTED VEHICLES: 1992-1997 MODEL YEAR AEROSTAR

SERVICE PROCEDURE

1. Record the radio stations, then disconnect the battery negative cable.
2. Remove the knee bolster.
3. Remove the instrument panel reinforcing panel. See Figure 1.

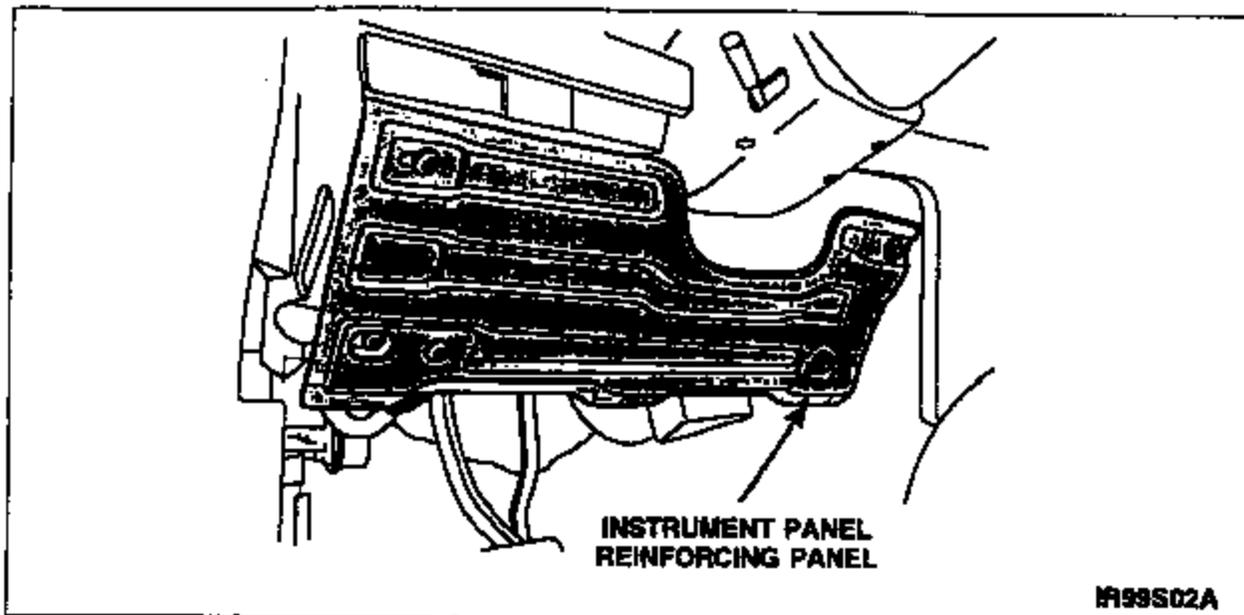


FIGURE 1



4. Completely loosen the ignition switch electrical connector retaining screw, then disconnect the ignition switch electrical connector. See Figure 2.

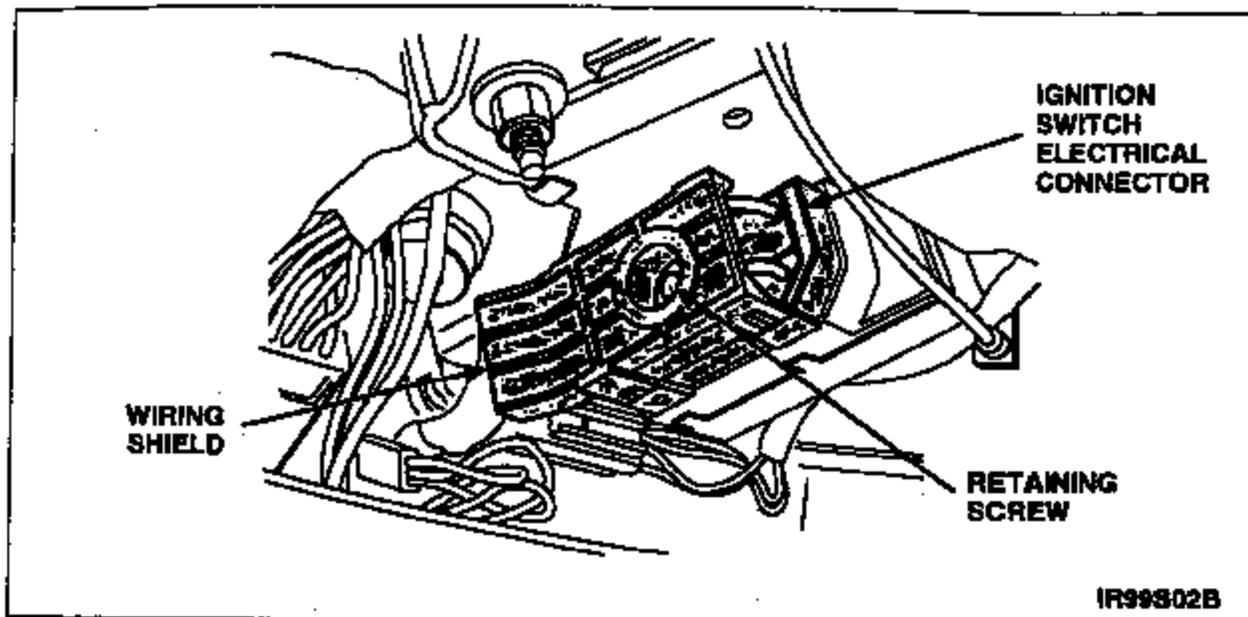


FIGURE 2

5. Remove the ignition switch electrical connector wiring shield and terminal locking plate. See Figure 3.

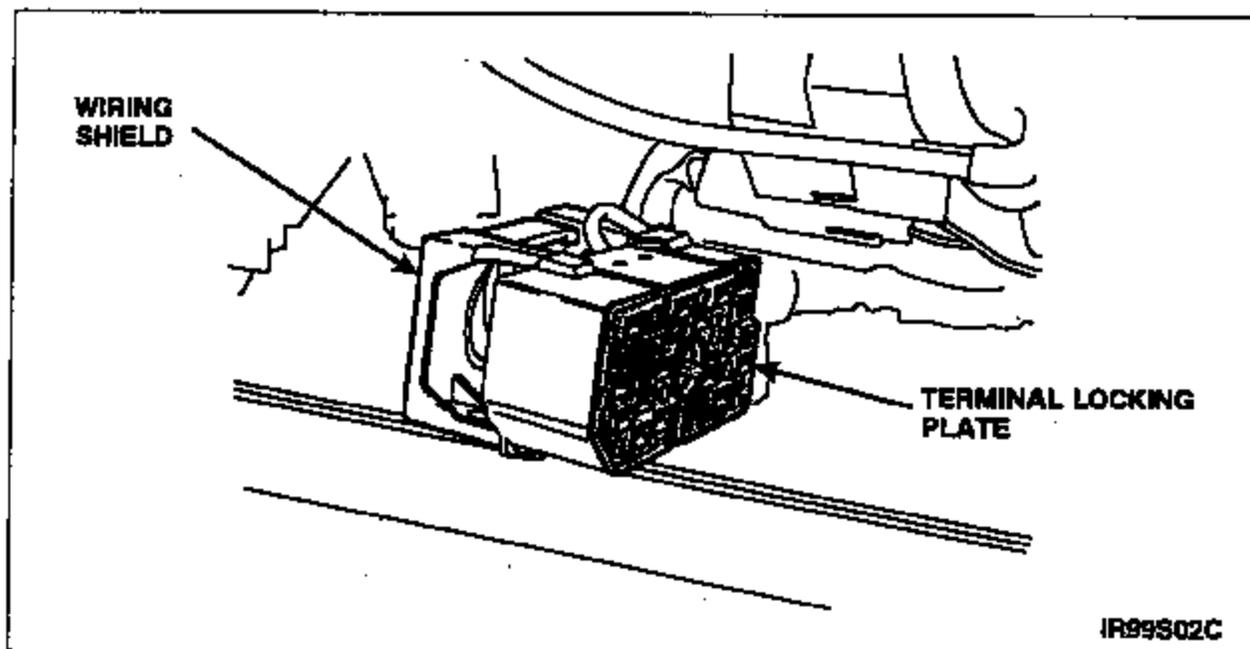
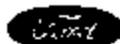


FIGURE 3



8. Disconnect jumper A electrical connector. See Figure 4.

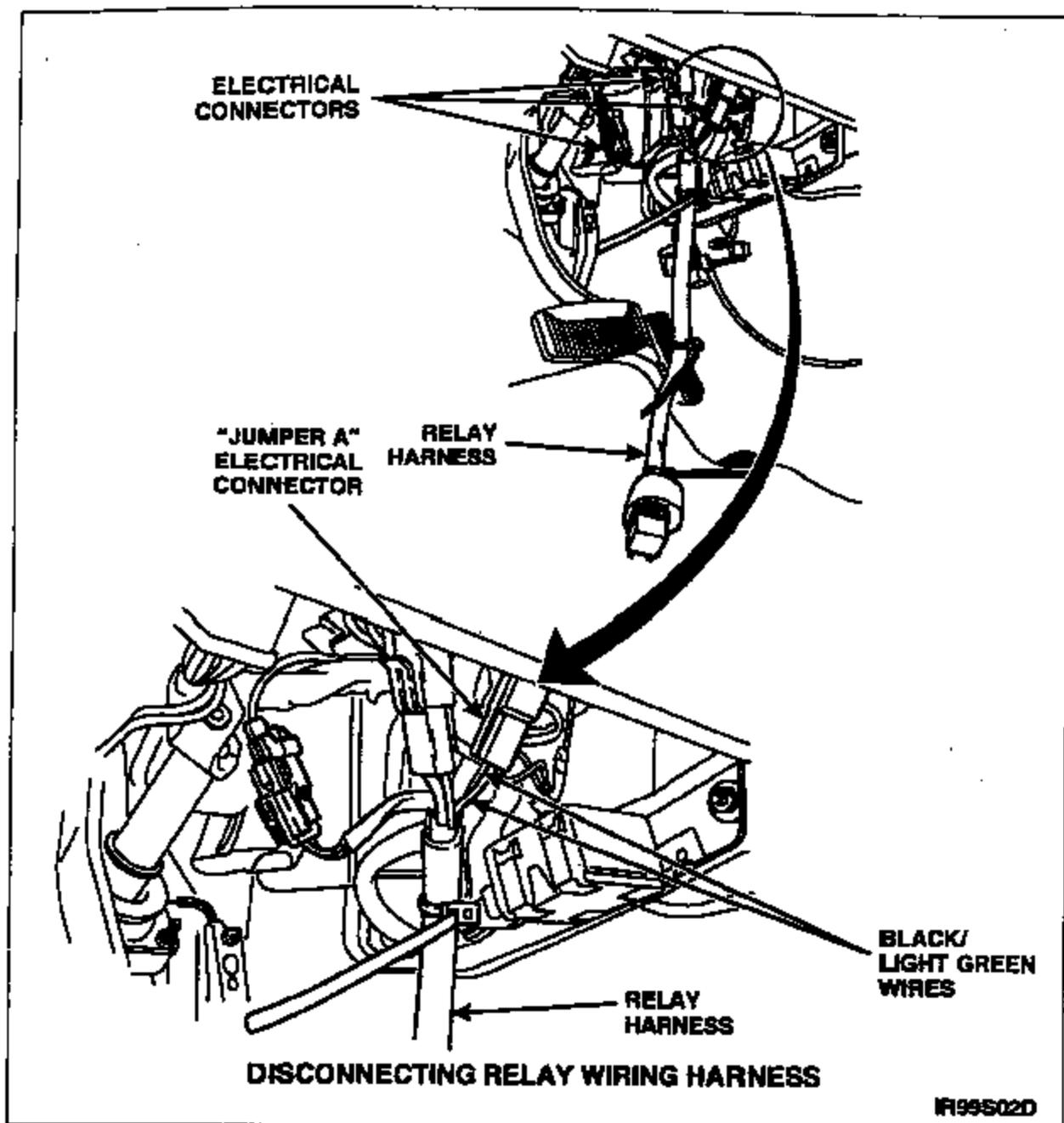
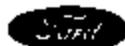


FIGURE 4



7. Remove the gray/yellow wire, circuit 687, from terminal A3 of the ignition switch electrical connector. See Figure 5.

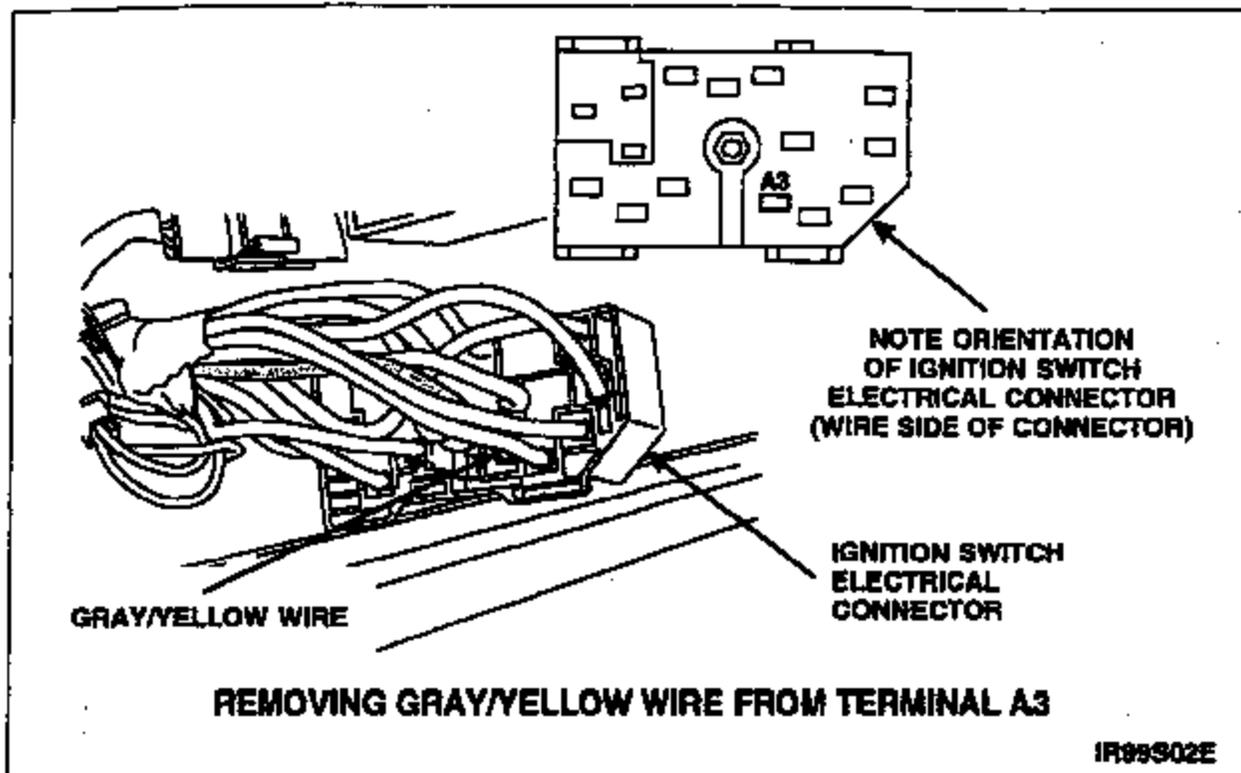


FIGURE 5

8. Remove jumper A black/light green wire from terminal A1 of the ignition switch connector and install it into terminal A3 of the ignition switch connector. See Figure 6.

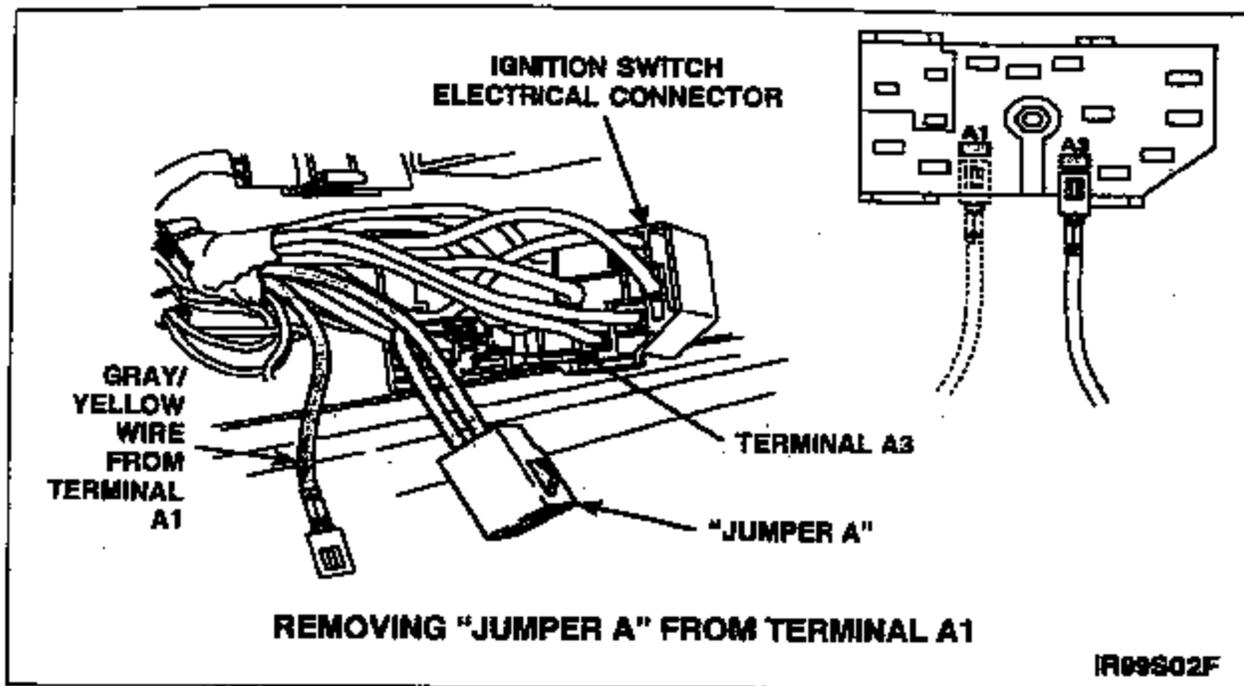


FIGURE 6

9. Remove the vehicle wiring harness black/light green wire from jumper A and install it into terminal A1 of the ignition switch electrical connector. See Figure 7.

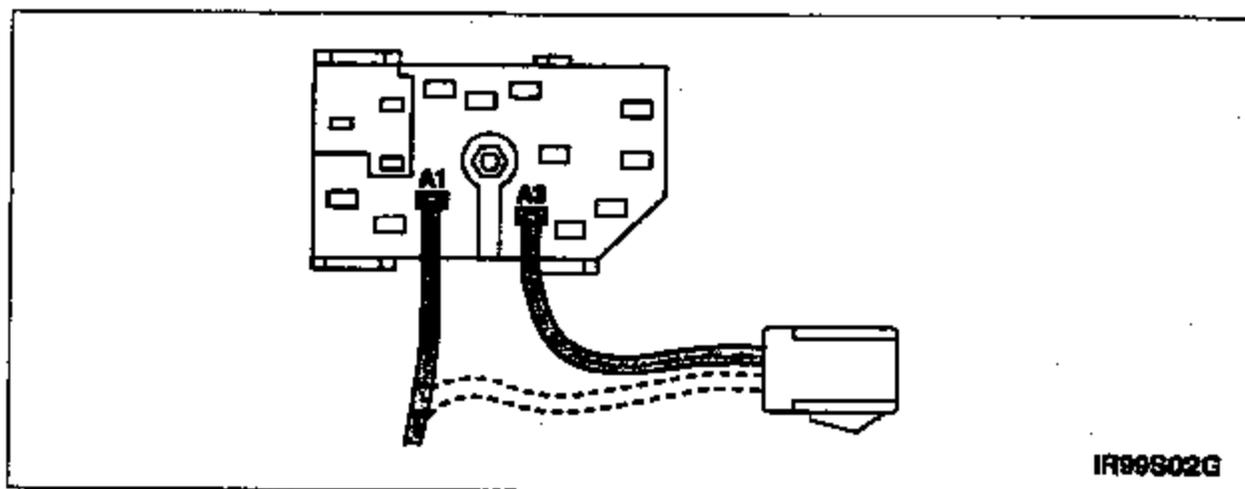
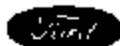


FIGURE 8



10. Install the gray/yellow wire, circuit 687, previously removed from terminal A3 of the ignition switch electrical connector into the open terminal in jumper A. See Figure 8.

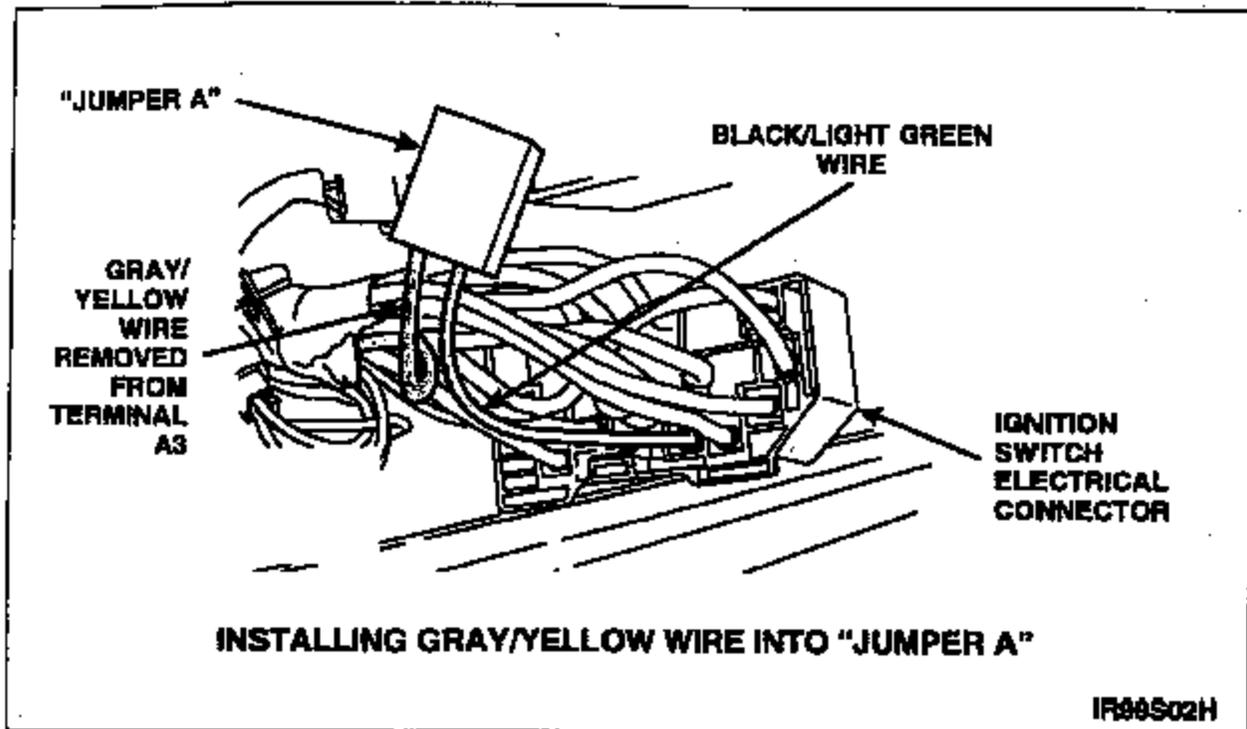
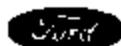


FIGURE 8

11. Connect jumper A electrical connector.
12. Install the ignition switch electrical connector wiring shield and terminal locking plate.
13. Install the ignition switch electrical connector. Tighten the retaining screw securely.
14. Connect the battery negative cable.
15. Start the engine and verify modification as follows:
 - Turn the blower motor to HIGH.
 - Turn the radio on.
 - On vehicles equipped with automatic transmission, check the brake shift interlock system by trying to shift from Park to any other gear without depressing the brake pedal.

NOTE: If any of the above components were working before the modification and are not working now, repeat the service procedure.

16. Turn the ignition key to the accessory position, then turn the blower motor to HIGH. If the blower motor operates in the accessory position, repeat the service procedure.



- Using tie straps on the relay harness, secure the relay harness as shown in Figure 9. Make sure the relay is accessible for service.

NOTE: Make sure that the harness is away from all moving parts. See Figure 9.

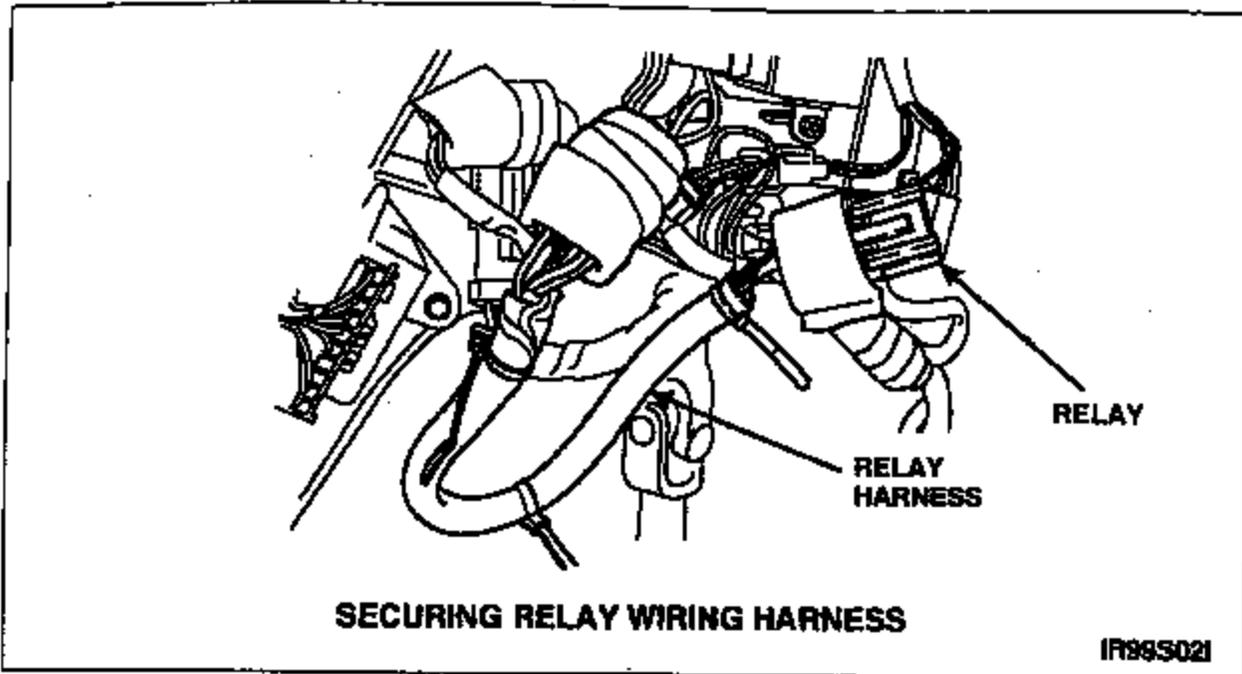
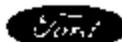


FIGURE 9

- Trim the tie straps.
- Install the instrument panel reinforcing panel. Tighten the retainers to 10-14 Nm (7-10 lb-ft).
- Install the knee bolster.
- Program the radio stations.





A. R. O'Neill
Director
Vehicle Service and Programs
Ford Customer Service Division

Ford Motor Company
P. O. Box 1804
Dearborn, Michigan 48121

99S02

June, 1988

Mr. John Sample
123 Main Street
Anywhere, USA 12345

Serial Number: 12345678901234567

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Ford Motor Company has decided that a defect which relates to motor vehicle safety exists in all 1982 through 1997 Aerostar vehicles.

SAFETY DEFECT

The affected vehicles were produced with a higher than specified electrical load through an accessory power circuit that connects to the ignition switch. Over time, this overload condition could create a short circuit resulting in overheating of electrical components in the steering column and potentially a vehicle fire. The operator may be forewarned by a smoke odor or a popping noise from the steering column. Upon turning the key off, the short is eliminated.

REPAIRS

At no charge to you, your dealer will re-route the accessory power circuit through a relay. Dealers currently have instructions and parts ordering information.

HOW LONG WILL IT TAKE?

The time needed for this service is less than one-half day. However, due to service scheduling times, your dealer may need your vehicle for a longer period. Please call your dealer for a service date.

CALL YOUR DEALER

Call your dealer without delay. Ask for a service date and whether parts are in stock for Safety Recall 99S02.

If your dealer does not have the parts in stock, they can be ordered before scheduling your service date. Parts would be expected to arrive within a week.

When you bring your Aerostar in, show the dealer this letter. If you misplace this letter, your dealer will still do the work, free of charge.

REFUNDS

If you paid to have the ignition switch replaced for this condition before the date of this letter, Ford is offering a full refund. For the refund, please show your paid original receipt to your Ford dealer. To avoid delays, do not send receipts to Ford Motor Company.

CHANGED ADDRESS OR SOLD THE VEHICLE?

Please fill out the enclosed prepaid postcard and mail it to us if you have changed your address or sold the vehicle.

If the dealer doesn't make the repair promptly and without charge, you may contact the Ford Customer Assistance Center, 16800 Executive Plaza Drive, P.O. Box 6248, Dearborn, Michigan 48121. You also may send a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S. W., Washington, D. C. 20590 or call the toll free Auto Safety Hotline 1-800-424-9393 (Washington, D. C. area residents may call 385-0123).

We regret the inconvenience this service may cause you, but we want you to have the work done for your safety and satisfaction with your Ford-built product.

Sincerely,



A. R. O'Neill

Director

Vehicle Service and Programs