



1995 MUSTANG



DEMO

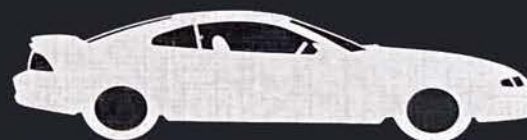
This DEMO contains only a few pages of the entire manual/product.

Not all Bookmarks work on the Demo, but they do on the full version.

Features:

- Searchable text
- Printable pages
- Bookmarked for easy navigation
- High Resolution images
- Zoom to see exact details
- Money back Guarantee
- Transfer to USB flash drive support

Discover more ebooks! Visit our website:
fordshopmanual.com



ELECTRICAL AND VACUUM TROUBLESHOOTING MANUAL



License #84356800

Copyright © 2024, Forel Publishing Company, LLC, Woodbridge, Virginia

All Rights Reserved. No part of this book may be used or reproduced in any manner whatsoever without written permission of Forel Publishing Company, LLC. For information write to Forel Publishing Company, LLC, Woodbridge, VA 22192

**1995 Mustang Electrical and Vacuum
Trouble-Shooting Manual (EVTM)
EAN: 978-1-60371-430-3
ISBN: 1-60371-430-8**

Forel Publishing Company, LLC
Woodbridge, VA 22192



This publication contains material that is reproduced and distributed under a license from Ford Motor Company. No further reproduction or distribution of the Ford Motor Company material is allowed without the express written permission of Ford Motor Company.

Note from the Publisher

This product was created from the original Ford Motor Company's publication. Every effort has been made to use the original scanned images, however, due to the condition of the material; some pages have been modified to remove imperfections.

Disclaimer

Although every effort was made to ensure the accuracy of this book, no representations or warranties of any kind are made concerning the accuracy, completeness or suitability of the information, either expressed or implied. As a result, the information contained within this book should be used as general information only. The author and Forel Publishing Company, LLC shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to be caused, directly or indirectly by the information contained in this book. Further, the publisher and author are not engaged in rendering legal or other professional services. If legal, mechanical, electrical, or other expert assistance is required, the services of a competent professional should be sought.

ELECTRICAL AND VACUUM TROUBLESHOOTING MANUAL

FCS-12121-95

FORD CUSTOMER SERVICE DIVISION

Quality is Job 1

Ford Customer Service Division has developed a new format for the 1995 Mustang EVTm . Our goal is to provide accurate and timely electrical and vacuum service information.

1995 EVTm FEATURES

- Schematic pages now contain **Component Location** references to full-view illustrations and **Component Descriptions** that describe the system function of a component.
- "**COMPONENT TESTING**" procedures (CELL 149) that tell the user how to perform diagnostic tests on various circuits.
- **Connector End Views** are now located at the end of individual cells and are shown for connectors with five or more cavities; a circuit function chart is provided.
- **NOTES, CAUTIONS and WARNINGS** contain important safety information.
- Full view "**COMPONENT LOCATION VIEWS**" (CELL 151) to help locate on-vehicle components.
- Circuit voltages have been added to schematic pages to help simplify troubleshooting. Nonessential troubleshooting hints have been deleted.
- **Cellular Pagination:** A specific section (or cell) in all EVTms is numbered by cell and starts with page 1. For example: "**HOW TO USE THIS MANUAL**" is CELL 2 and begins with page 2-1.
- "**IN-LINE CONNECTOR FACES**" (CELL 150) has been added for in-line connectors with six or more terminals, to aid in servicing electrical wiring.
- "C" numbers have been assigned for all electrical connectors. "C" numbers are listed in the "**LOCATION INDEX**" (CELL 152).
- "**HARNES CAUSAL PART NUMBERS**" (CELL 153) has been added to aid in identifying warranty concerns.
- **In-line connector numbers** contain a suffix to denote connector "gender" type (F-socket, M-prior blade).

ORDERING INFORMATION

Information about how to order additional copies of this publication or other Ford publications may be obtained by writing to Helm Incorporated at the address shown below or by calling 1-800-782-4356. Other publications available include:

- Service Manuals
- Service Specification Books
- Car/Truck Wiring Diagrams
- Powertrain Control/Emissions Diagnosis Manuals

Helm Incorporated
P.O. Box 07150
Detroit, Michigan 48207

1-1 TABLE OF CONTENTS/INDEX

1995 MUSTANG

Table of Contents

How to Use This Manual	2-1
Grounds	10-1
Circuit Protection/Fuse Panel	11-1
Charging System	12-1
Power Distribution	13-1
Starting System	20-1
Ignition System	21-1
Electronic Engine Control (3.8L)	23-1
Electronic Engine Control (5.0L)	24-1
Electronic Automatic (AODE) Transmission	29-1
Speed Control	31-1
Shift Lock	37-1
Horn/Cigar Lighter/Clock	44-1
Anti-Lock Brake System (ABS)	42-1
Air Bag Restraint System	46-1
Heater	53-1
Air Conditioner/Heater	54-1
Rear Window Defrost	56-1
Instrument Cluster	60-1
Vehicle Speed Sensor (VSS)	64-1
Warning Chime	66-1
Instrument Illumination	71-1
Interval Wiper/Washer	81-1
Headlamps	85-1
Fog Lamps	86-1
Courtesy Lamps	89-1
Turn/Stop/Hazard Lamps	90-1
Exterior Lamps	92-1
Backup Lamps	93-1
Illuminated Entry	94-1
Daytime Running Lamps	97-1
Power Windows	100-1
Convertible Top	102-1
Power Door Locks	110-1
Remote/Keyless Entry	111-1
Anti-Theft	112-1
Trunk Lid Release	113-1
Power Seats	120-1

Power Lumbar Seats	122-1
Power Mirrors	124-1
Radio	130-1
Vacuum Distribution	142-1
Component Testing	149-1
In-Line Connector Faces	150-1
Component Location Views	151-1
Location Index	152-1
Harness Causal Part Numbers	153-1
Vehicle Repair Location Codes	160-1

Index

Air Bag Restraint System	46-1
Air Conditioner/Heater Vacuum	54-1
Electrical	54-2
Anti-lock Brake System	42-1
Anti-theft	112-1
Backup Lamps	93-1
Charging System	12-1
Cigar Lighter	44-1
Circuit Protection/Fuse Panel	11-1
Clock	44-1
Component Location Views	151-1
Component Testing A/C-Heater Control Assembly	149-6
Blower Motor Switch	149-7
Heater Control Assembly	149-5
Ignition Switch	149-2
Introduction	149-1
Main Light Switch	149-1
Manual Lever Position (MLP) Sensor	149-8
Master Window/Door Lock Control Switch	149-9, 149-10, 149-11, 149-12
Right Window/Door Lock Control Switch	149-13
Multi-function Switch	149-3, 149-4
Convertible Top	102-1

Courtesy Lamps	89-1
Daytime Running Lamps (DRL)	97-1
Defrost (Rear Window)	56-1
Door Locks (Power)	110-1
Electronic Automatic (AODE) Transmission	29-1
Electronic Engine Control 3.8L	23-1
5.0L	24-1
Engine Compartment Fuse Box ABS	13-3
ALT	13-4
AUDIO	13-4
CIG ILLUM	13-3
CONV TOP	13-3
DRL, FOG, HORNS	13-4
EEC	13-2
FAN	13-1
FUEL PUMP	13-1
HD LPS	13-2
HTD BL	13-1
IGN SW	13-2
INT LPS	13-4
L. SPD EDF MNTR	13-4
Exterior Lamps	92-1
Fog Lamps	86-1
Gauges Fuel	60-1
Oil Pressure	60-2
Speedometer	60-2
Tachometer	60-3
Temperature	60-1
Voltmeter	60-2
Grounds G102	10-1
G103	10-1
G104 3.8L	10-2
5.0L	10-3

TABLE OF CONTENTS/INDEX 1-2

1995 MUSTANG

G105		Fuse 4	13-7	Instrument Illumination	71-1
3.8L	10-2	Fuse 5	13-6	Luggage Compartment	89-1
5.0L	10-3	Fuse 6	13-5	Map	89-4, 89-5
G201	10-3	Fuse 7	13-5	Vanity Mirror	89-4, 89-5
G203	10-4	Fuse 8	13-7	Location Index	152-1
G204	10-6	Fuse 9	13-6	Main Light Switch	13-12
G300	10-9	Fuse 10	13-6	Mirrors (Power)	124-1
Harness Causal Part Numbers	153-1	Fuse 11	13-5	Power Distribution	13-1
Headlamps	85-1	Circuit Breaker 12	13-7	Power Door Locks	
Heater	53-1	Fuse 13	13-12	Convertible	110-2
Horn	44-1	Circuit Breaker 14	13-5	Coupe	110-1
Ignition Switch	13-5, 13-6	Fuse 15	13-5	Power Lumbar Seats	122-1
Ignition System		Fuse 16	13-8	Power Seats	120-1
3.8L	21-1	Fuse 17	13-5	Power Mirrors	124-1
5.0L	21-3	Fuse 18	13-5	Power Windows	100-1
Illuminated Entry	94-1	Lamps (Exterior)		Radio	
Indicators		Backup	93-1	AM/FM Stereo	130-1
Air Bag	60-4	Daytime Running	97-1	Premium Sound	
Anti-lock	60-4	Fog	86-1	(w/out CD Player)	130-2
Anti-theft	60-2	Exterior	92-1	Premium Sound	
Brake	60-4	Hazard	90-1	(w/ CD Player)	130-3
Charge	60-2	Headlamps	85-1	SuperSound	
"Low Oil"	60-3	License	92-1	(w/out CD Player)	130-5
Fasten Belts	60-5	Park		SuperSound	
Hi Beam	60-5	Front	92-1	(w/ CD Player)	130-6
Left Turn	60-5	Rear	92-1	Remote/Keyless Entry	111-1
Low Coolant	60-4	Side Marker		Rear Window Defrost	56-1
Malfunction Indicator Lamp (MIL)		Front	92-1	Seats (Lumbar)	122-1
(Check Engine)	60-1	Rear	92-1	Seats (Power)	120-1
Right Turn	60-5	Stop	90-3	Shift Lock	37-1
Transmission Control Indicator Lamp		Stop (Hi Mount)	90-1	Speed Control	31-1
(TCIL) (OD OFF)	60-1	Turn		Starting System	20-1
In-Line Connector Faces	150-1	Front	90-2	Trunk Lid Release	113-1
Instrument Cluster	60-1	Rear	90-3	Turn/Stop/Hazard Lamps	90-1
Instrument Illumination	71-1	Lamps (Interior)		Vacuum Distribution	142-1
Interval Wiper/Washer	81-1	Courtesy	89-1	Vehicle Repair Location Codes	160-1
I/P Fuse Panel		Dome	89-4, 89-5	Vehicle Speed Sensor (VSS)	64-1
Fuse 1	13-6	Engine Compartment	89-4, 89-5	Warning Chime	66-1
Fuse 2	13-5	Glove Compartment	89-4, 89-5		

1-3 TABLE OF CONTENTS/INDEX

1995 MUSTANG

Windows (Power)	100-1
Wiper/Washer (Interval)	81-1

IMPORTANT SAFETY NOTICE

Appropriate service methods and proper repair procedures are essential for the safe, reliable operation of all motor vehicles, as well as the personal safety of the individual doing the work. This Manual provides general directions for accomplishing service and repair work with tested, effective techniques. Following them will help assure reliability.

There are numerous variations in procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the individual doing the work. This Manual cannot possibly anticipate all such variations and provide advice or cautions as to each. Accordingly, anyone who departs from the instructions provided in this Manual must first establish that he compromises neither his personal safety nor the vehicle integrity by his choice of methods, tools or parts.

2-1 HOW TO USE THIS MANUAL

1995 MUSTANG

The purpose of this manual is to show electrical and vacuum circuits in a clear and simple fashion to make troubleshooting easier. **NOTES**, **CAUTIONS** and **WARNINGS** containing important information appear in boxes on text pages.

- **NOTES** describe how switches and other components operate to help complete a particular procedure.
- **CAUTIONS** provide information that could prevent making an error that may damage the vehicle.
- **WARNINGS** provide information to prevent personal injury.

The **WARNINGS** list on page 2-2 contains general warnings to follow when servicing a vehicle.

Components that work together are shown together. All electrical components used in a specific system are shown on one diagram. The circuit breaker or fuse is shown at the top of the page. All wires, connectors, components and splices are shown in the flow of current to ground at the bottom of the page. If a component is used in several different systems, it is shown in several places. For example, the Main Light Switch is electrically a part of many systems and is repeated on many pages.

In some cases, a component may seem (by its name) to belong to a system where it has no electrical connection. For example, Radio Illumination is electrically part of Instrument Illumination, but because it has no electrical connection to the Radio system, it is not shown on the Radio diagram.

Schematic pages now contain references to full-view illustrations and component descriptions for various components. The references are reverse—text blocks located next to each component and connector and refer the user to the appropriate illustration page and zone. The component descriptions summarize the system function of a component.

Schematic pages now contain circuit voltages to help simplify troubleshooting hints. 12V is used to imply battery voltage on a component connector terminal, and 0V is used to show that there should be continuity to ground on that particular terminal. Conditional voltages such as "12V with the ignition switch in RUN" will also be provided. Troubleshooting hints that can't be simplified with circuit voltages will be shown at the end of each cell.

Connector face information specific to a certain cell is now found at the end of that cell. A Connector Face Reference List is provided to locate connector faces that are shown in different cells. Component connectors with five or more terminals are illustrated. Component connectors with five or more terminals are accompanied by a pin-out chart that lists the function of all circuitry associated with that component.

In-Line connectors shown on schematic pages now contain a suffix to denote connector gender (F— socket, M— prior blade).

"GROUNDS"(Cell 10) contains ground circuitry shown in complete detail. This information is useful for checking interconnections of the ground circuits of different systems.

"POWER DISTRIBUTION" (Cell 13) contains power distribution circuitry shown in com-

plete detail. This section displays how the various fuses are powered and in turn, how each system is powered.

"COMPONENT TESTING" (Cell 149) contains testing procedures for various switches. This information includes schematics, component terminal locations and step-by-step procedures.

"IN-LINE CONNECTORS FACES" (Cell 150) contains in-line connectors with five or more terminals. This section includes both female and male mating in-line connectors arranged in order according to connector number.

"COMPONENT LOCATION VIEWS" (Cell 151) contains full-view illustrations which show the location of all components and connectors in the vehicle.

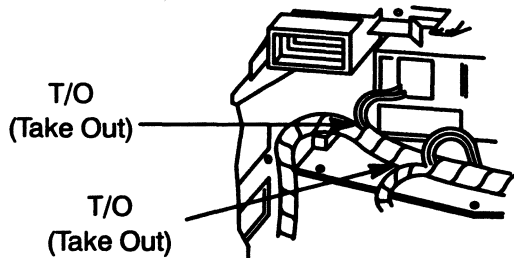
The **"LOCATION INDEX"** (Cell 152) provides the service base part numbers, locations, connector face references and illustration references for all components, connectors, splices and grounds.

HELPFUL REMINDERS

Before using the EVTM for troubleshooting, refer to the HELPFUL REMINDERS;

1. The abbreviation T/O, for take out, used in the Location Index (Cell 152), refers to the point at which a group of wires branch off the harness trunk. Refer to the wiring harness illustration.

Wiring harness at back of Instrument Panel, showing typical T/O (Take Out) locations



2. If a connector serves the same purpose in two separate versions (e.g., EFI/Carb), but is physically different, two connector numbers are used. However, if a connector serves the same purpose in two separate versions (e.g., EFI/Carb) and is physically the same, but the wire colors are different, only *one* connector number is used. If the same physical connector is used more than once, then more than *one* connector number is used.
3. Wiring schematics provide a picture of how and under what conditions the circuit is powered, of the current path to circuit components, and of how a circuit is grounded. Each circuit component is named (underlined titles). Wire and connector colors are listed (standard Ford color abbreviations are used):

COLOR ABBREVIATIONS

BL	Blue	N	Natural
BK	Black	O	Orange
BR	Brown	PK	Pink
DB	Dark Blue	P	Purple
DG	Dark Green	R	Red
GN	Green	T	Tan
GY	Gray	W	White
LB	Light Blue	Y	Yellow
LG	Light Green		

NOTE: Whenever a wire is labeled with two colors, the first color listed is the basic color of the wire, and the second color listed is the stripe marking of the wire.

4. When reporting Vehicle Repair Location Codes to Ford Customer Service Division, refer to Cell 160 (beginning on page 160-1). Note: Do *not* use the illustrations in Cell 151 (beginning on page 151-1) for reporting Vehicle Repair Location Code.

5. WARNINGS

- Always wear safety glasses for eye protection.
- Use safety stands whenever a procedure requires being under a vehicle.
- Be sure that the **Ignition Switch** is always in the OFF position, unless otherwise required by the procedure.
- Set the parking brake when working on any vehicle. An automatic transmission should be in PARK. A manual transmission should be in NEUTRAL.
- Operate the engine only in a well-ventilated area to avoid danger of carbon monoxide.
- Keep away from moving parts, especially the fan and belts, when the engine is running.
- To prevent serious burns, avoid contact with hot metal parts such as the radiator, exhaust manifold, tail pipe, catalytic converter, and muffler.
- Do not allow flame or sparks near the battery. Gases are always present in and around the battery cell. An explosion could occur.
- Do not smoke when working on a vehicle.
- To avoid injury, always remove rings, watches, loose hanging jewelry, and loose clothing.

2-3 HOW TO USE THIS MANUAL

1995 MUSTANG

HOW TO FIND ELECTRICAL CONCERNS TROUBLESHOOTING STEPS

These six steps present an orderly method of troubleshooting.

Step 1. Verify the concern.

- Operate the complete system to check the accuracy and completeness of the customer's complaint.

Step 2. Narrow the concern.

- Using the EVTM, narrow down the possible causes and locations of the concern to pinpoint the exact cause.
- Read the description notes at the components and study the wiring schematic. You should then know enough about the circuit operation to determine where to check for the trouble. Further information can be found by referring to the Service Manual pages listed in the box at the top of the page.

Step 3. Test the cause.

- Use electrical test procedures to find the specific cause of the symptoms.
- The *Component Location reference bars* and the pictures will help you find components. The Location Index (at the end of the manual) gives component location information for connectors, diodes, resistors, splices and grounds.

Step 4. Verify the cause.

- Confirm that you have found the correct cause by connecting jumper wires and/or temporarily installing a known good component and operating the circuit.

Step 5. Make the repair.

- Repair or replace the inoperative component.

Step 6. Verify the repair.

- Operate the system as in Step 1 and check that your repair has removed all symptoms without creating any new symptoms.

Some engine circuits may need special test equipment and special procedures. See the *Service Manual* and other service books for details. You will find the circuits in this manual to be helpful with those special test procedures.

TROUBLESHOOTING TOOLS

JUMPER WIRE

This is a test lead used to connect two points of a circuit. A Jumper Wire can bypass an open in a wire to complete a circuit.

WARNING

Never use a jumper wire across loads (motors, etc.) connected between hot and ground. This direct battery short may cause injury or fire.

VOLTMETER

A DC Voltmeter measures circuit voltage. Connect negative (- or black) lead to ground, and positive (+ or red) lead to voltage measuring point.

OHMMETER

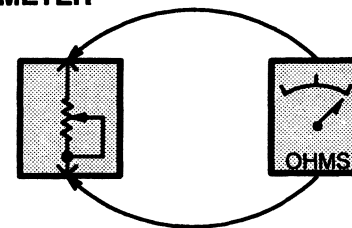


Figure 1—Resistance Check

An Ohmmeter shows the resistance between two connected points (Figure 1).

TEST LAMP

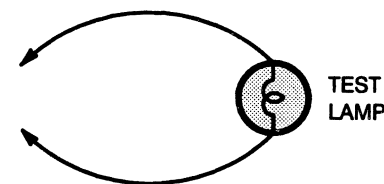


Figure 2—Test Lamp

A Test Light is a 12-volt bulb with two test leads (Figure 2).

Uses: Voltage Check, Short Check

HOW TO FIND ELECTRICAL CONCERNS (CONTINUED)

SELF-POWERED TEST LAMP

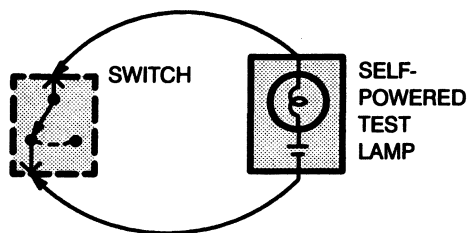


Figure 3—Continuity Check

The Self-Powered Test Lamp is a bulb, battery and set of test leads wired in series (Figure 3). When connected to two points of a continuous circuit, the bulb glows.

Uses: Continuity Check, Ground Check

CAUTION

When using a self-powered test lamp or ohmmeter, be sure power is off in circuit during testing. Hot circuits can cause equipment damage and false readings.

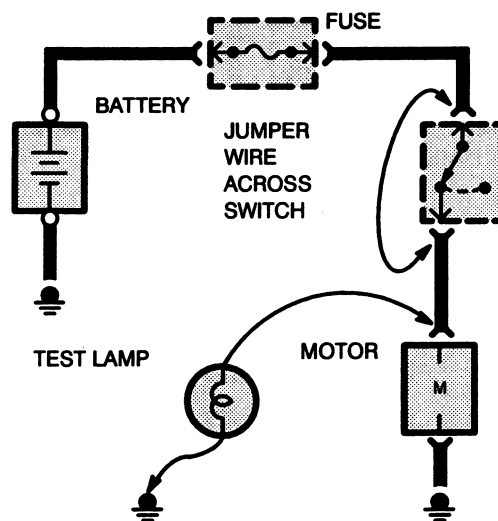


Figure 4—Switch Circuit Check and Voltage Check

In an inoperative circuit with a switch in series with the load, jumper the terminals of the switch

to power the load. If jumpering the terminals powers the circuit, the switch is inoperative (Figure 4).

CONTINUITY CHECK (Locating open circuits)

Connect one lead of a Self-Powered Test Lamp or Ohmmeter to each end of circuit (Figure 3). Lamp will glow if circuit is closed. Switches and fuses can be checked in the same way.

VOLTAGE CHECK

Connect one lead of test lamp to a known good ground or the negative (-) battery terminal. Test for voltage by touching the other lead to the test point. The bulb goes on when the test point has voltage (Figure 4).

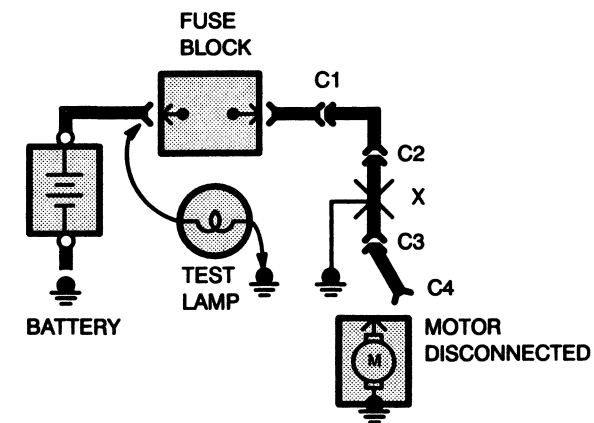


Figure 5—Short Check

2-5 HOW TO USE THIS MANUAL

1995 MUSTANG

HOW TO FIND ELECTRICAL CONCERNS (CONTINUED)

A fuse that repeatedly blows is usually caused by a short to ground. It's important to be able to locate such a short quickly (Figure 5).

1. Turn off everything powered through the fuse.
2. Disconnect other loads powered through the fuse:
 - Motors: disconnect motor connector (Connector C4 in Figure 5)
 - Lights: remove bulbs.
3. Turn the Ignition Switch to RUN (if necessary) to power fuse.
4. Connect one Test Lamp lead to the hot end of the blown fuse. Connect the other lead to ground. The bulb should glow, showing power to fuse. *(This step is just a check to be sure you have power to the circuit.)*
5. Disconnect the test lamp lead that is connected to ground, and reconnect it to the load side of the fuse at the connector of the disconnected component. (In Figure 5, connect the test lamp lead to connector C4.)
 - If the Test Lamp is off, the short is in the disconnected component.
 - If the Test Lamp goes on, the short is in the wiring. You must find the short by disconnecting the circuit connectors, one at a time, until the Test Lamp goes out. For

example, in figure 5 with a ground at X, the bulb goes out when C1 or C2 is disconnected, but not after disconnecting C3. This means the short is between C2 and C3.

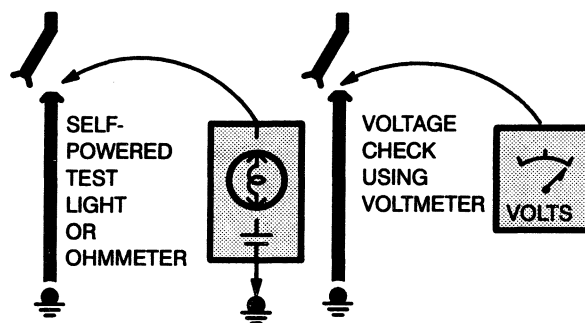


Figure 6—Ground Check

Turn on power to the circuit. Perform a Voltage Check between the suspected inoperative ground and the frame. Any indicated voltage means that the ground is inoperative (Figure 6).

Turn off power to the circuit. Connect one lead of a Self-Powered Test Lamp or Ohmmeter to the wire in question and the other lead to a known ground. If the bulb glows, the circuit ground is OK (Figure 6).

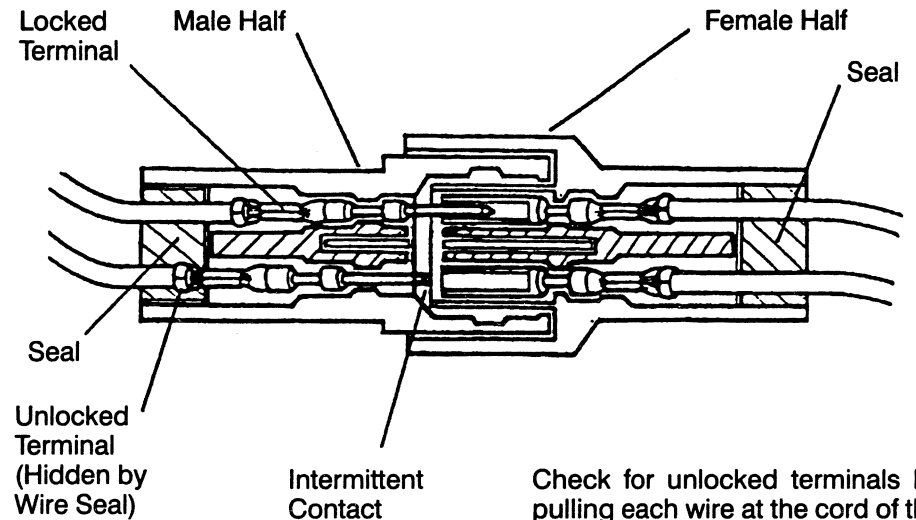
The circuit schematics in this manual make it easy to identify common points in circuits. This knowledge can help narrow the concern to a specific area. For example, if several circuits fail at the same time, check for a common power or ground connection (See *Power Distribution* or *Grounds*). If part of a circuit fails, check the connections between the part that works and the part that doesn't work.

For example, if the lo beam headlamps work, but the high beams and the indicator lamp don't work, then the power and ground paths must be good. Since the dimmer switch is the component that switches this power to the high beam lights and the indicator, it is most likely the cause of failure.

TROUBLESHOOTING WIRING HARNESS AND CONNECTOR HIDDEN CONCERNS

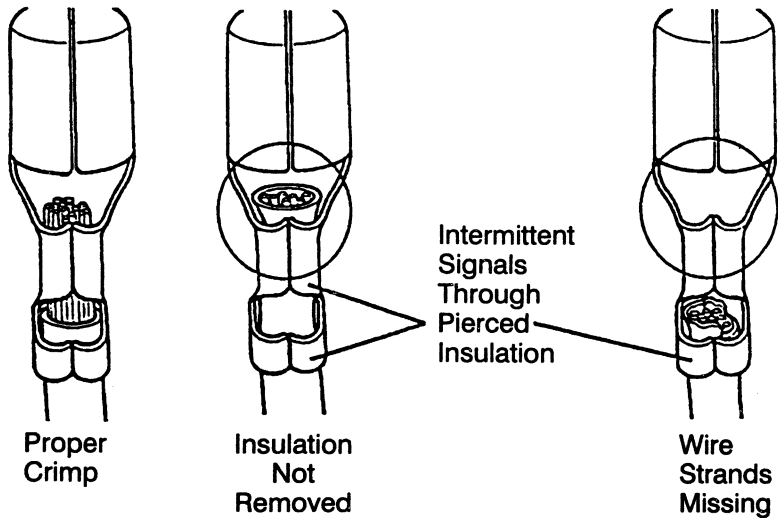
The following illustrations are known examples of wiring harness, splices and connectors that will create intermittent electrical concerns. The concerns are hidden and can only be discovered by a physical evaluation as shown in each illustration.

NOTE: When servicing gold plated terminals in a connector, only replace with gold plated terminals designed for that connector.

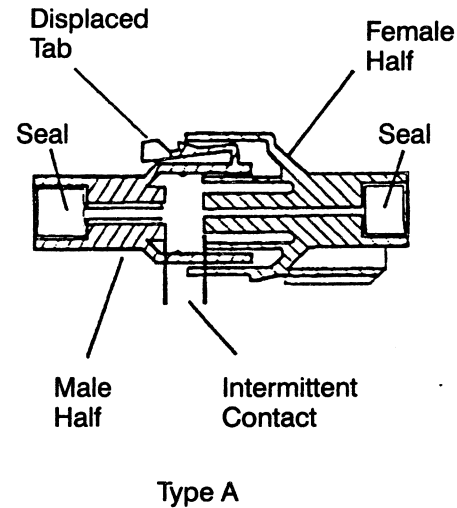


Check for unlocked terminals by pulling each wire at the cord of the connector

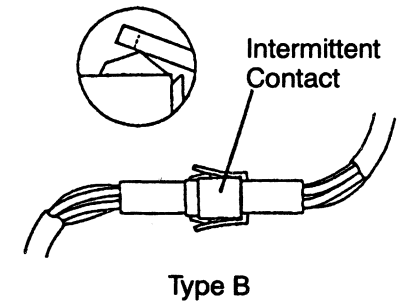
TERMINAL NOT PROPERLY SEATED



DEFECTIVE INSULATION STRIPPING



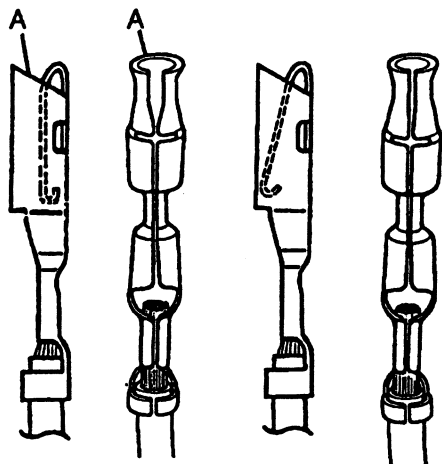
Lock may be displaced into an unlocked position; pull on the connector to verify the lock.



PARTIALLY MATED CONNECTORS

2-7 HOW TO USE THIS MANUAL

1995 MUSTANG

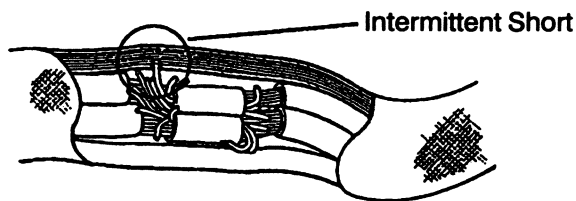


Enlarged

Normal

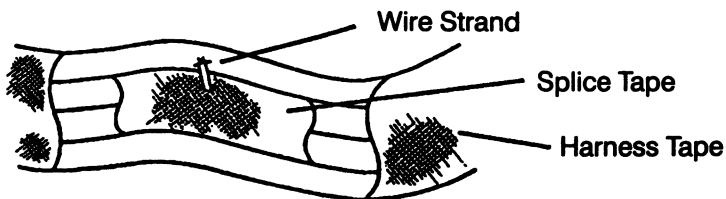
Any probe entering the terminal may enlarge the contact spring opening creating an intermittent signal. Insert the correct mating terminal (Location A) from the service kit and feel for a loose fit.

DEFORMED (ENLARGED) FEMALE TERMINALS



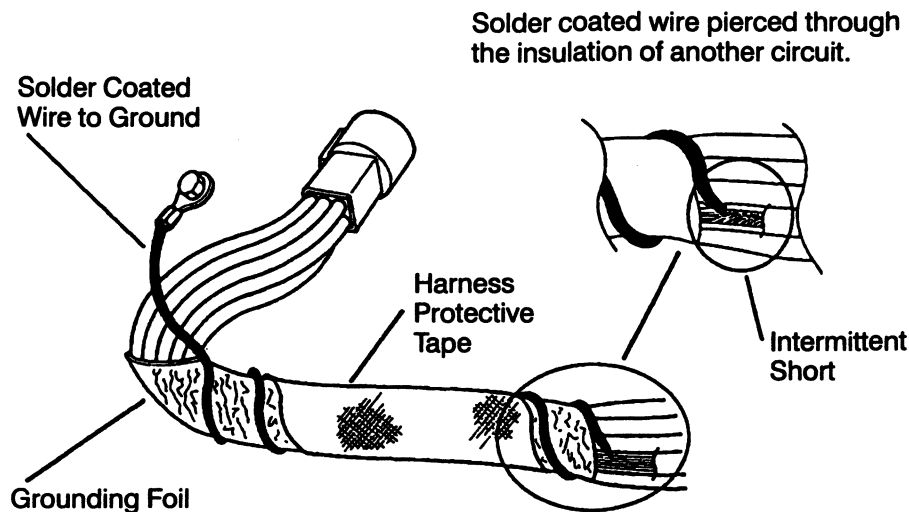
Splice Tape Removed

Operate the system and flex the harness at splice location noted in Section 152.

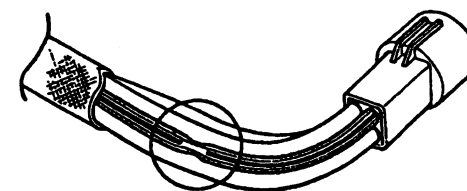


Splice Covered

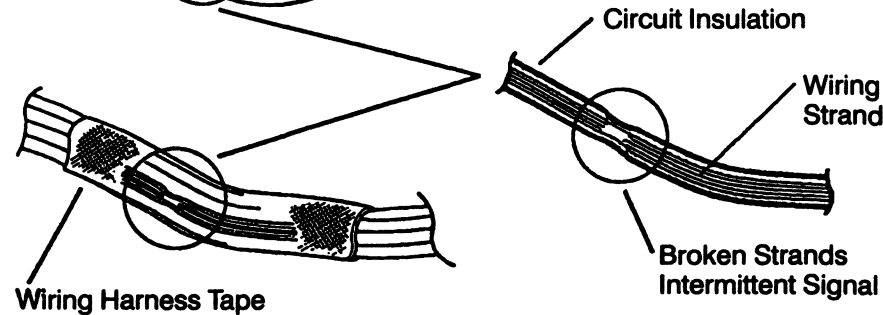
ELECTRICAL SHORT WITHIN THE HARNESS



ELECTRICAL SHORT INSIDE THE HARNESS



Remove the tape and flex/feel each circuit for reduction in diameter at break.



BROKEN WIRE STRANDS IN HARNESS

HOW TO FIND THE VACUUM CONCERNS

These six steps present an orderly method of troubleshooting.

Step 1. Verify the concern.

- Operate the system and observe all symptoms to check the accuracy and completeness of the customer's complaint.

Step 2. Narrow the concern.

- Narrow down the possible causes and location of the concern to pinpoint the exact cause.

Step 3. Test the cause.

- Use test procedures to find the specific cause of the symptoms.

Step 4. Verify the cause.

- Confirm that you have found the right cause by operating the parts of the circuit you think are good.

Step 5. Make the repair.

- Repair or replace the inoperative component.

Step 6. Verify the repair.

- Operate the system as in Step 1. Check that your repair has removed all symptoms without creating any new symptoms.

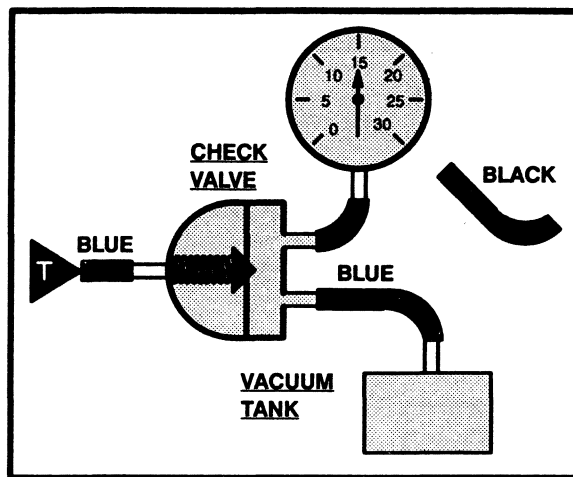


Figure 1 - System Supply Test

Vacuum Supply Test

1. Connect Vacuum Tester to system side of Check Valve (Figure 1).
2. Start engine. Gauge should show approximately 15 inches of vacuum.
3. Turn off engine, and observe gauge:
 - If vacuum holds, supply OK.
 - If vacuum fails, replace Check Valve or Tank.

Leak Test

1. Connect Vacuum Gauge and Vacuum Pump (Figure 2) to system hose in place of tank.
2. Open valve and start pump. Operate control in all modes.
3. Listen for hiss and observe gauge.

NOTE: Hissing is normal at Function Control when changing modes.

If system hisses or loses vacuum, find system leak as follows:

4. Turn on Vacuum Pump and check vacuum build-up.
5. Stop pump; vacuum should drop.
6. Clamp supply hoses with needlenose pliers, one at a time, until vacuum stops dropping (Figure 2).
7. Check vacuum schematic to find components in that line.
8. Clamp hoses through circuit to find leak.

Component Test

1. Connect Vacuum Tester to component.
2. Pump Vacuum Tester. Check that all components operate correctly and vacuum holds.
3. Replace components if vacuum does not hold.

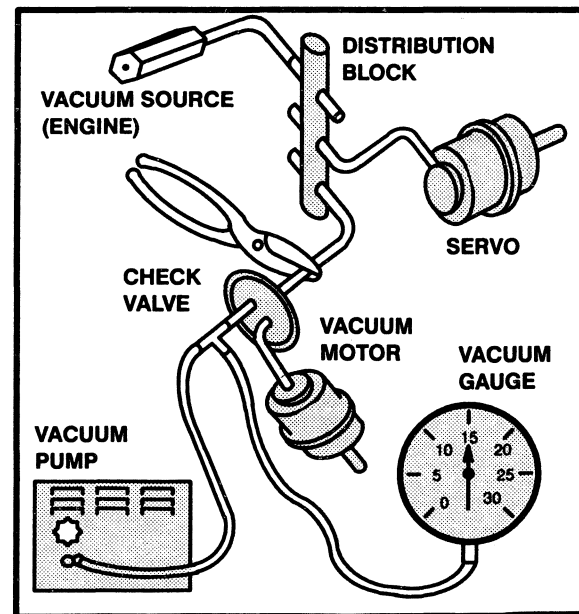


Figure 2 - Testing For Leaks In Typical Vacuum System

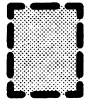
NOTE: Vacuum system problems fall into three groups:

1. Leaks in hoses, connectors, or motor diaphragms.
2. Pinched lines or clogged valves.
3. Inoperative parts driven by vacuum motors.

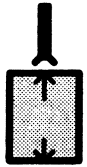
2-9 HOW TO USE THIS MANUAL

1995 MUSTANG

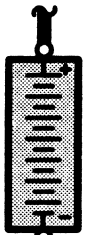
ELECTRICAL SYMBOLS



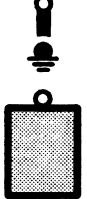
DASHED COMPONENT BOX
ONLY PART OF THE COMPONENT IS SHOWN ON THE PAGE: THE COMPONENT IS SHOWN COMPLETE IN ANOTHER LOCATION



COMPONENT WITH CONNECTORS



BATTERY



SCREW TERMINAL ON COMPONENT



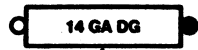
SEALED ELECTRONIC COMPONENT
ANY CIRCUITRY SHOWN INSIDE THE BOX IS A FUNCTIONAL EQUIVALENT ONLY AND IS NOT EXACT



GROUND CONNECTION



FUSE
CURRENT RATING



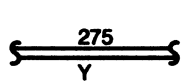
FUSIBLE LINK
WIRE SIZE AND COLOR



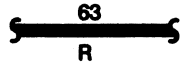
MAXI-FUSE or FUSIBLE LINK CARTRIDGE
CURRENT RATING



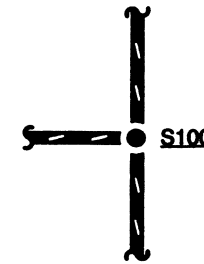
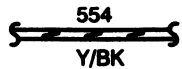
CIRCUIT BREAKER
CURRENT RATING



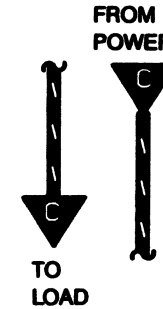
SOLID WIRE



STRIPED WIRE



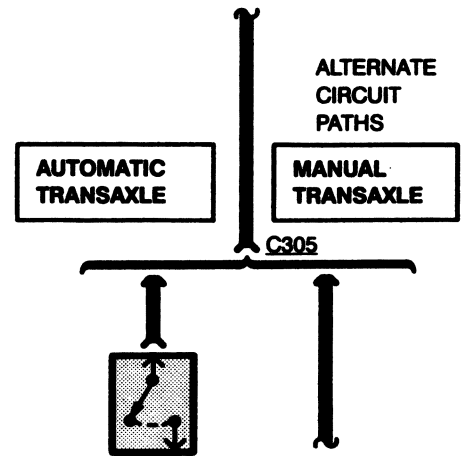
SPLICE OR CRIMP TERMINAL



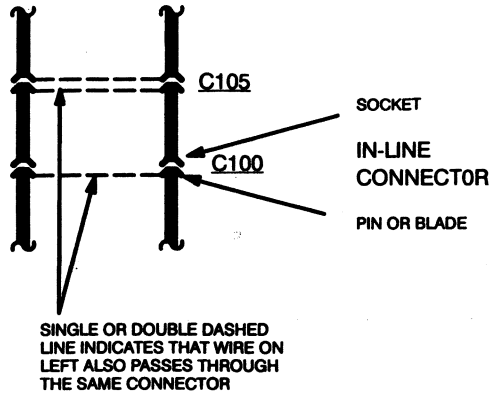
"CUT" WIRES REFERENCED BETWEEN PAGES
ARROWS SHOW CURRENT FLOW FROM POWER TO GROUND



"REFERENCE" WIRES
COMPLETE WIRING SHOWN ON ANOTHER PAGE



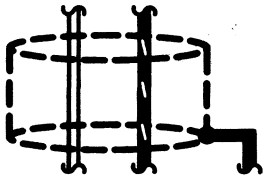
ELECTRICAL SYMBOLS



SEE GROUNDS
PAGES 10-1, 10-2



DASHED WIRE
CIRCUITRY IS NOT SHOWN IN COMPLETE DETAIL, BUT IS COMPLETE ON ANOTHER PAGE



SHIELD WIRES ARE COVERED BY A SHIELD



FIELD COIL OR CHOKE



MOTOR



HEATING ELEMENT



THERMISTOR



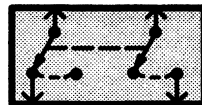
RHEOSTAT OR POTENTIOMETER



SOLENOID



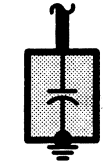
SWITCH



GANGED SWITCHES
CONTACTS MOVE AT THE SAME TIME



DIODES
CURRENT FLOWS IN DIRECTION OF ARROW ONLY



CAPACITOR



TRANSISTOR



GAUGE



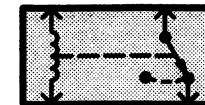
LIGHT BULB



LIGHT EMITTING DIODE (LED)



DUAL FILAMENT LIGHT BULB



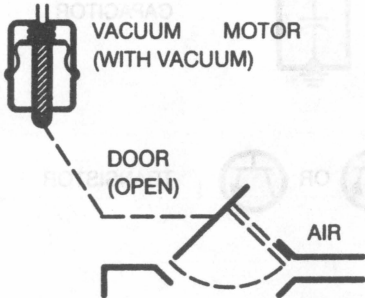
RELAY
CONTACTS CHANGE POSITION WITH CURRENT THROUGH COIL

2-11 HOW TO USE THIS MANUAL

1995 MUSTANG

VACUUM SYMBOLS

"T" JUNCTION



VACUUM ON VACUUM MOTOR PULLS DOOR OPEN TO LET AIR PASS THROUGH

VACUUM MOTOR OPERATIONS

SINGLE DIAPHRAGM MOTOR

NO VACUUM



VACUUM



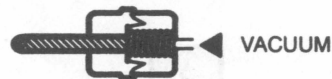
Vacuum motors operate like electrical solenoids, mechanically pushing or pulling a shaft between two fixed positions. When vacuum is not applied, the shift is pushed all the way out by a spring.



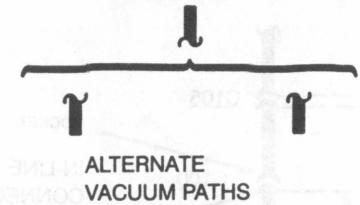
FROM VACUUM DISTRIBUTION



SERVO MOTOR



"CUT" HOSES REFERENCED BETWEEN PAGES
ARROW SHOWS FROM MANIFOLD FITTING TO COMPONENT

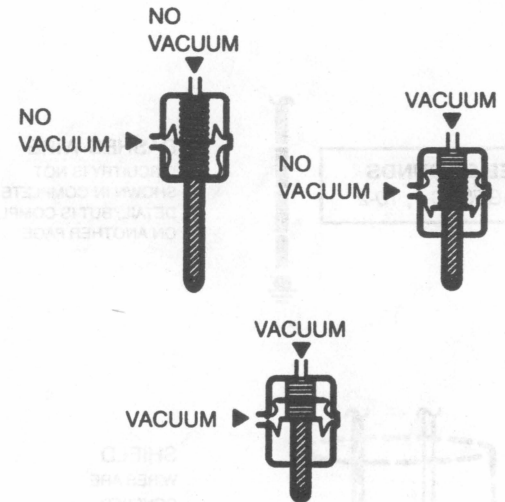


ALTERNATE VACUUM PATHS

NOTE

Other vacuum symbols used on vacuum system diagrams are fully explained on those pages.

DOUBLE DIAPHRAGM MOTOR



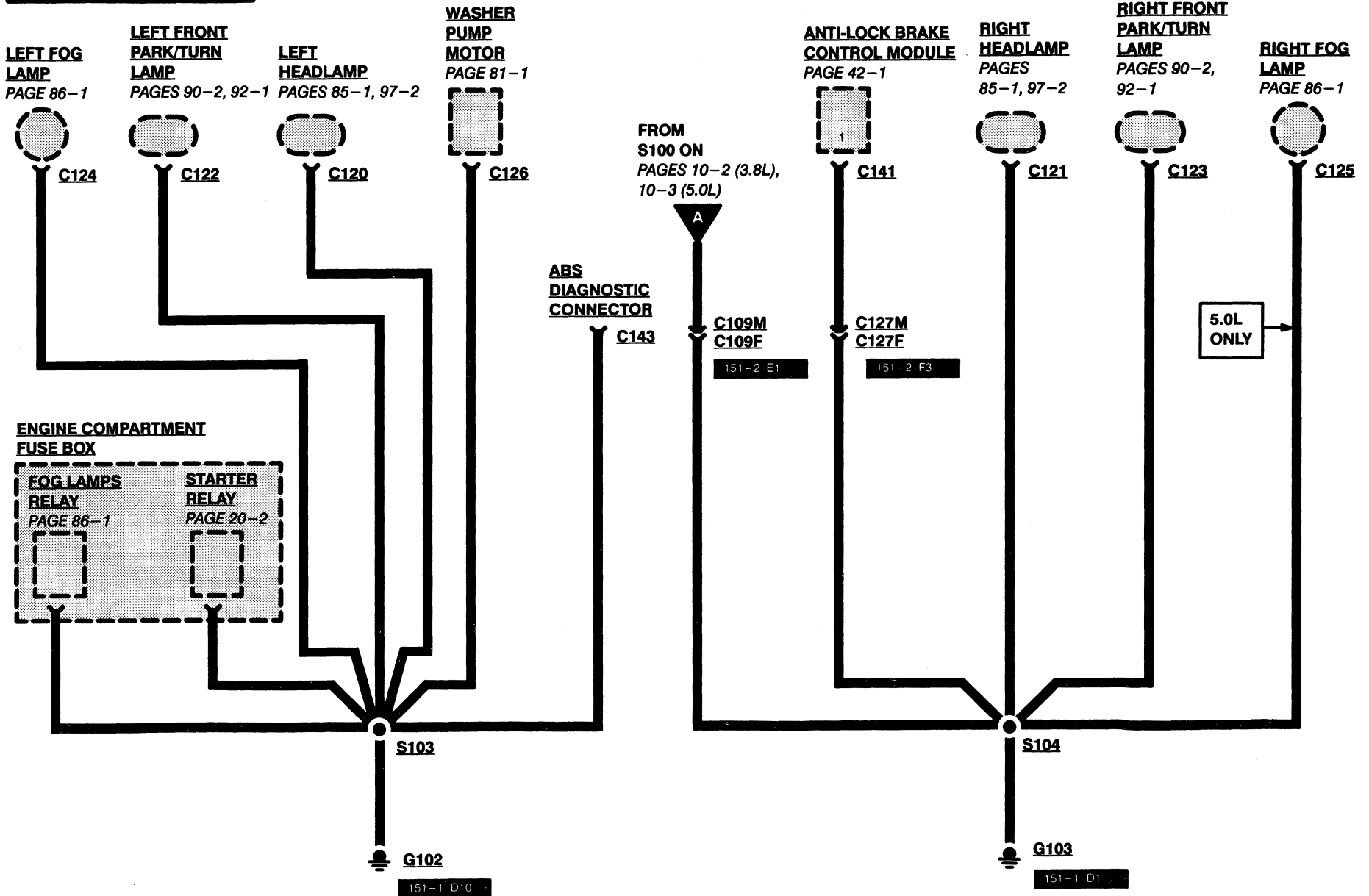
Some vacuum motors, such as the Servo Motor in the Speed Control, can position the actuating arm at any position between fully extended and fully retracted. The Servo is operated by a control valve that applies varying amounts of vacuum to the motor. The higher the vacuum level, the greater the retraction of the motor arm. Servo Motors work nearly the same way as two-position motors, except for the way the vacuum is applied. Servo Motors are generally larger and provide a calibrated control.

A double diaphragm motor has three positions (it is actually two motors in one housing). When the top port gets vacuum, the shaft pulls half-way in. When both ports get vacuum, the shaft pulls all the way in.

10-1 GROUND

1995 MUSTANG

All wires are 57 (BK)
unless otherwise noted.

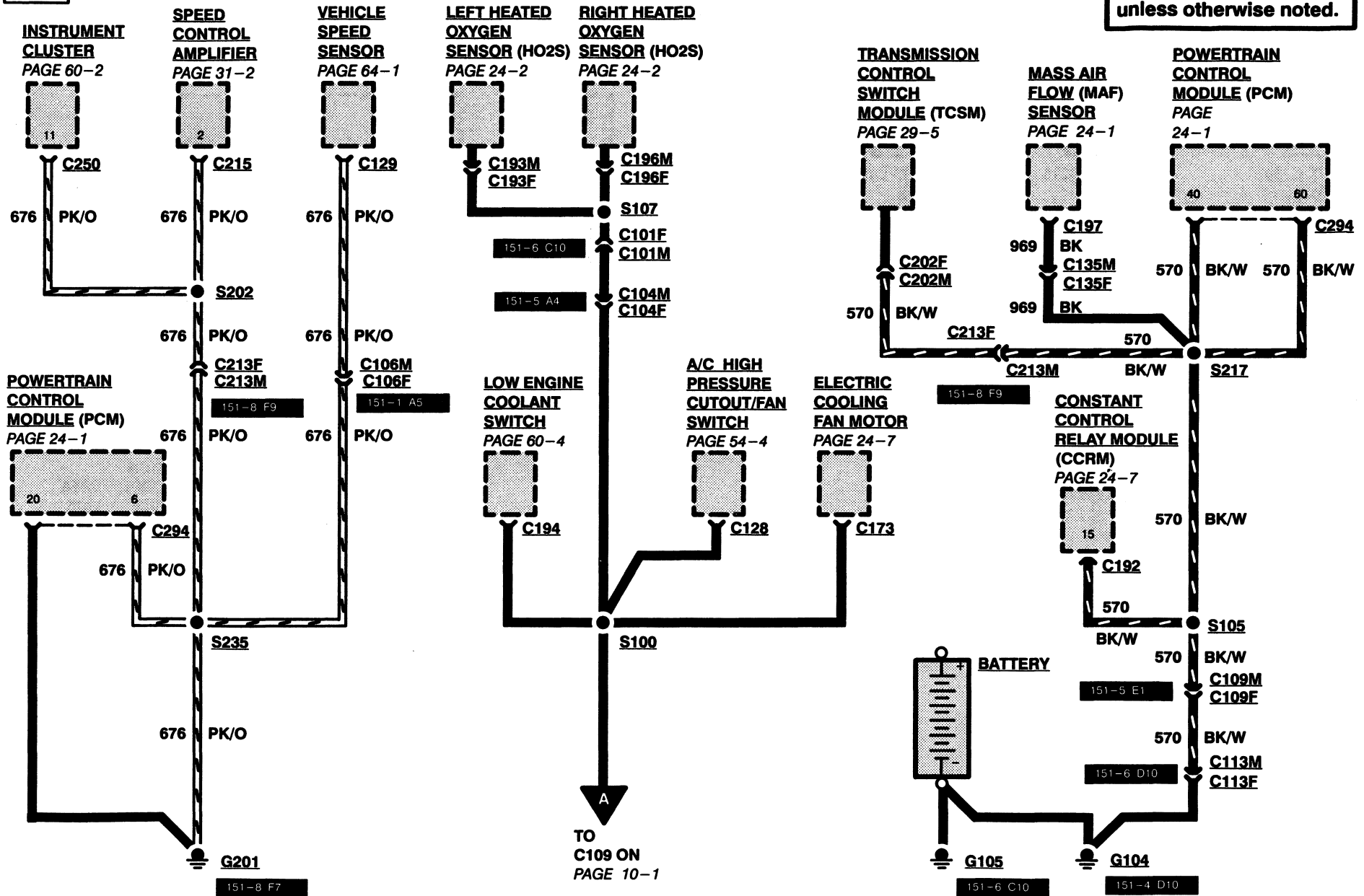


10-3 GROUNDS

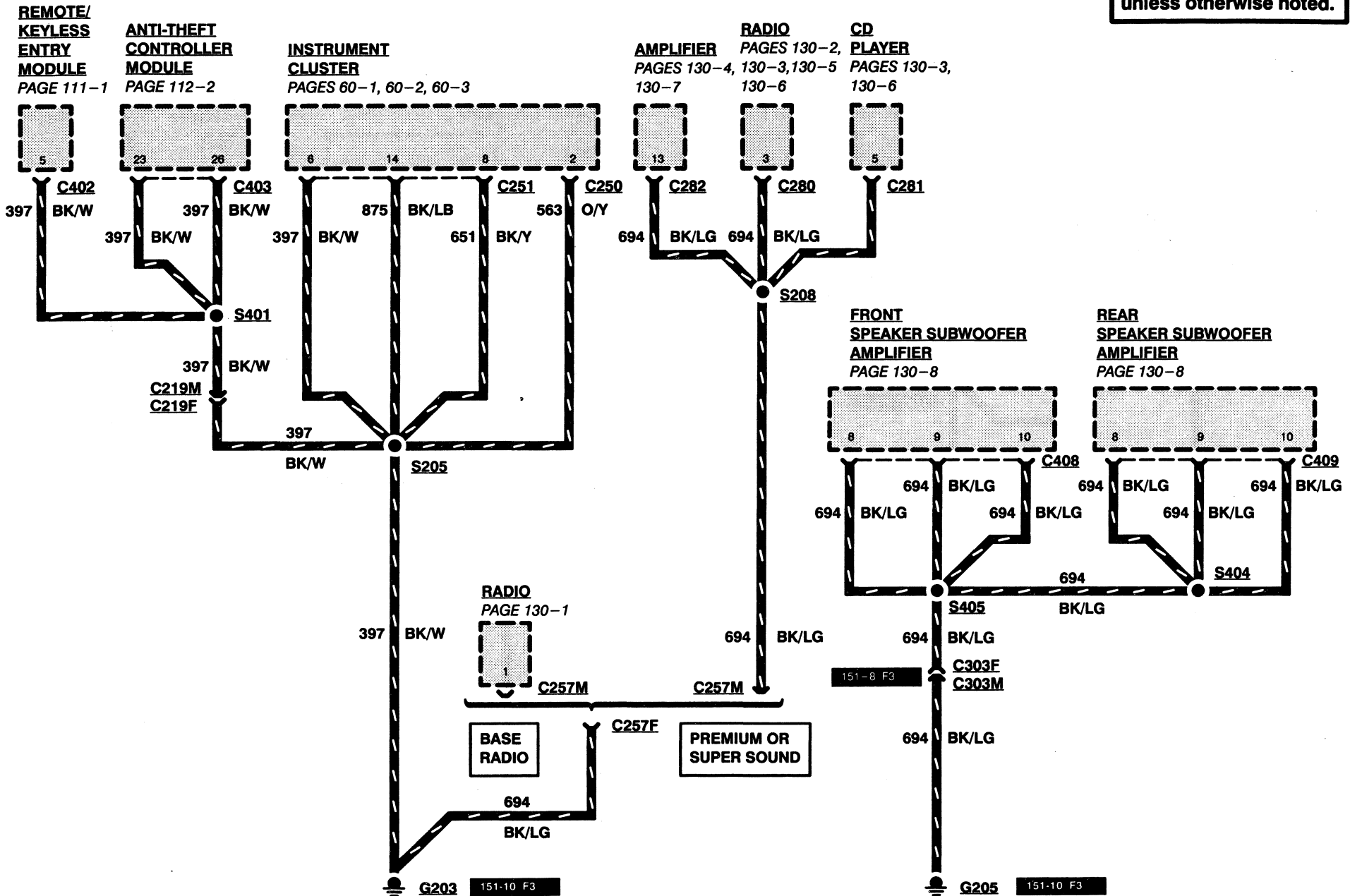
1995 MUSTANG

5.0L

All wires are 57 (BK) unless otherwise noted.



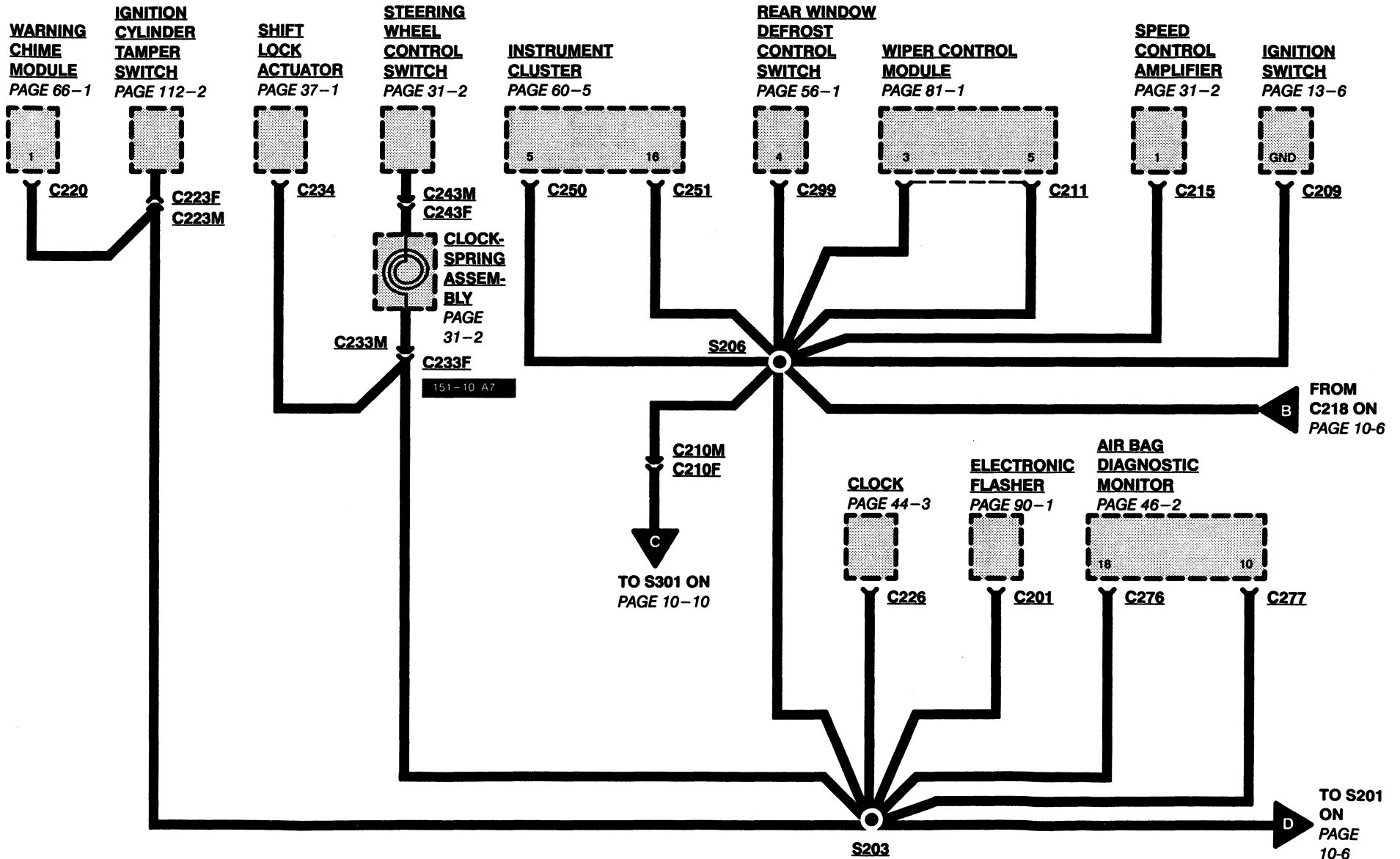
All wires are 57 (BK) unless otherwise noted.



10-5 GROUNDS

1995 MUSTANG

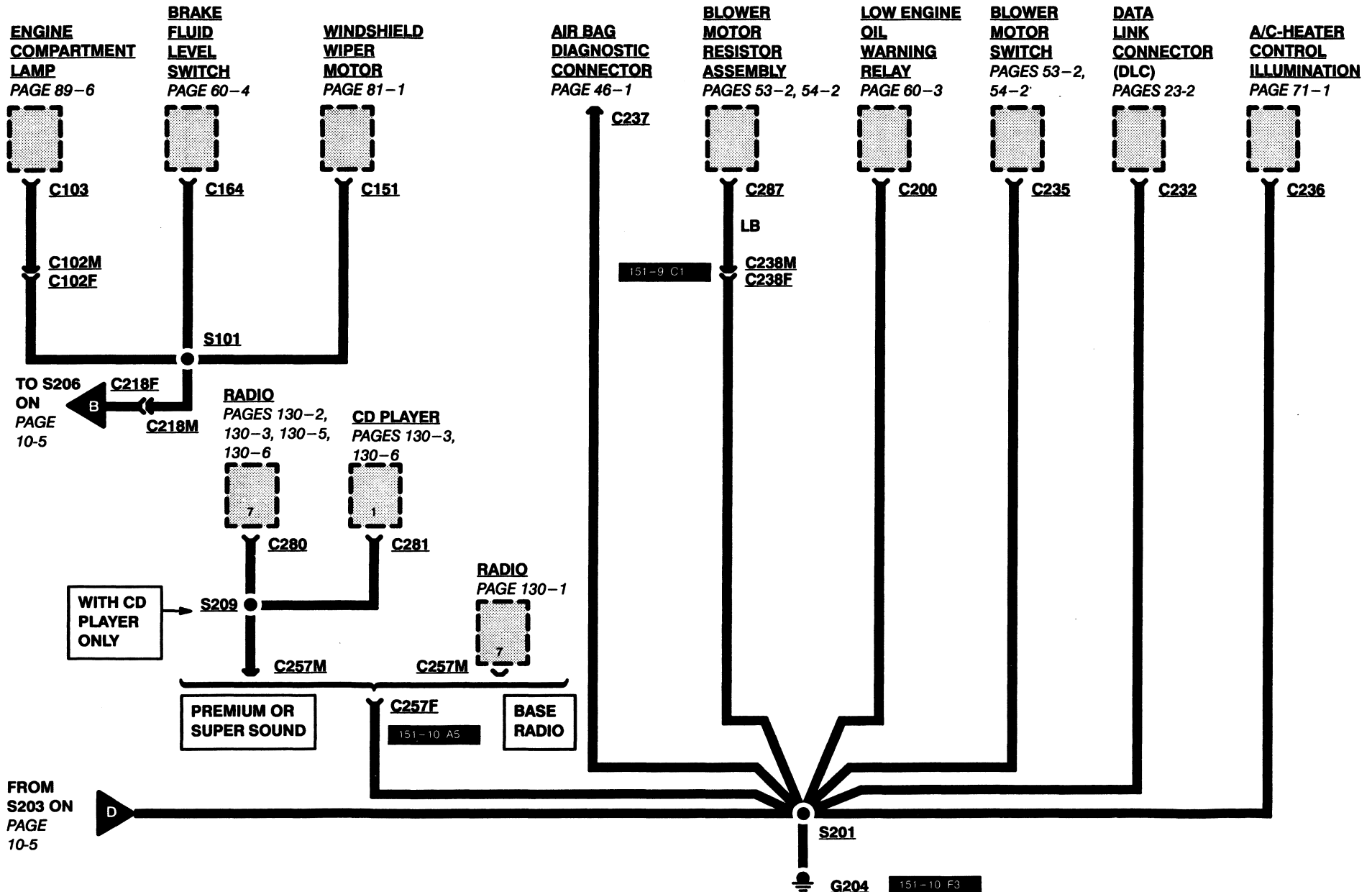
All wires are 57 (BK)
unless otherwise noted.



GROUNDS 10-6

1995 MUSTANG

All wires are 57 (BK) unless otherwise noted.



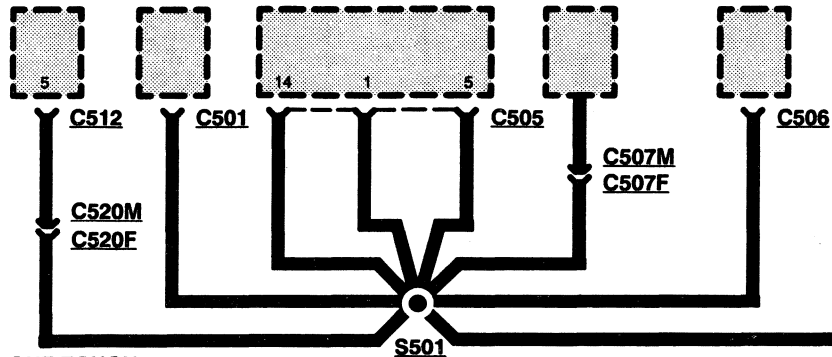
10-7 GROUNDS

1995 MUSTANG

All wires are 57 (BK) unless otherwise noted.

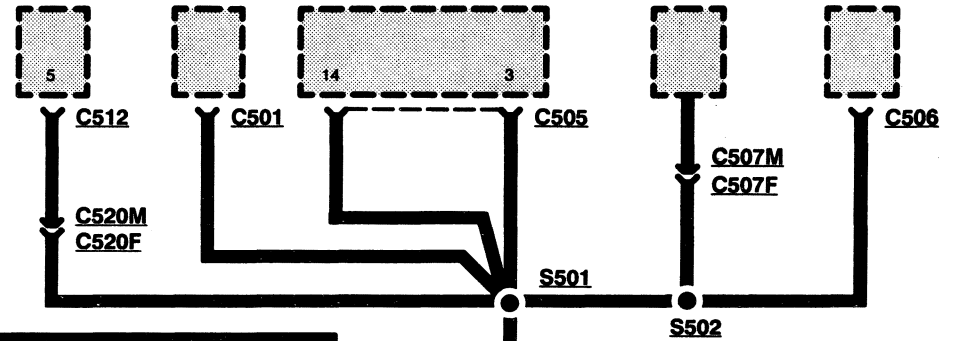
ONE TOUCH DOWN

POWER WINDOW MODULE PAGE 100-1
POWER MIRROR SWITCH PAGE 124-1
MASTER WINDOW/DOOR LOCK CONTROL SWITCH PAGES 100-1, 110-2
LEFT DOOR DISARM SWITCH PAGE 112-1



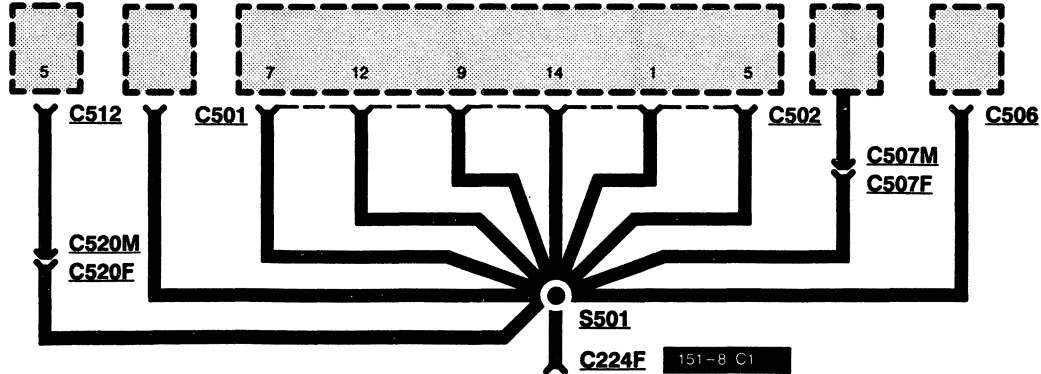
ONE TOUCH DOWN

POWER WINDOW MODULE PAGE 100-1
POWER MIRROR SWITCH PAGE 124-1
MASTER WINDOW/DOOR LOCK CONTROL SWITCH PAGES 100-1, 111-2
LEFT DOOR DISARM SWITCH PAGE 112-1
LEFT DOOR HANDLE SWITCH PAGES 94-1, 111-1



ONE TOUCH DOWN

POWER WINDOW MODULE PAGE 100-3
POWER MIRROR SWITCH PAGE 124-1
MASTER WINDOW/DOOR LOCK CONTROL SWITCH PAGES 100-4, 110-1
LEFT DOOR DISARM SWITCH PAGE 112-1
LEFT DOOR HANDLE SWITCH PAGE 94-1



* POWER WINDOWS/DOOR LOCKS WITH OR WITHOUT ILLUMINATED ENTRY
 ** POWER WINDOWS/DOOR LOCKS WITH ANTI-THEFT

151-8 B1

C229E*
C248E**

C248F

151-8 B1



COUPE WITH POWER WINDOWS/DOOR LOCKS WITH OR WITHOUT ILLUMINATED ENTRY OR ANTI-THEFT

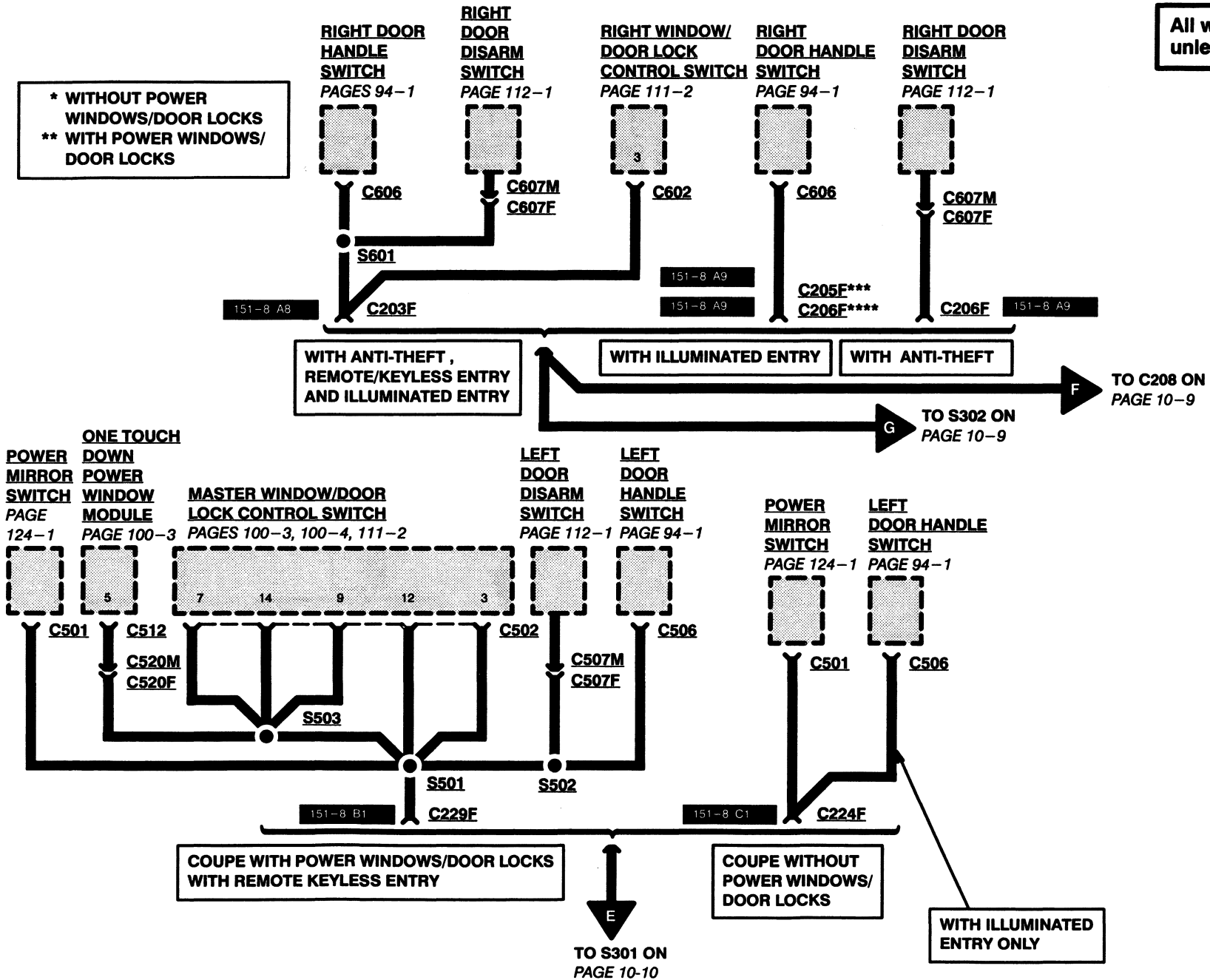
TO S301 ON PAGE 10-10

CONVERTIBLE WITH POWER WINDOWS/DOOR LOCKS WITHOUT REMOTE/KEYLESS ENTRY

CONVERTIBLE WITH POWER WINDOWS/DOOR LOCKS, REMOTE/KEYLESS ENTRY, AND ANTI-THEFT

All wires are 57 (BK) unless otherwise noted.

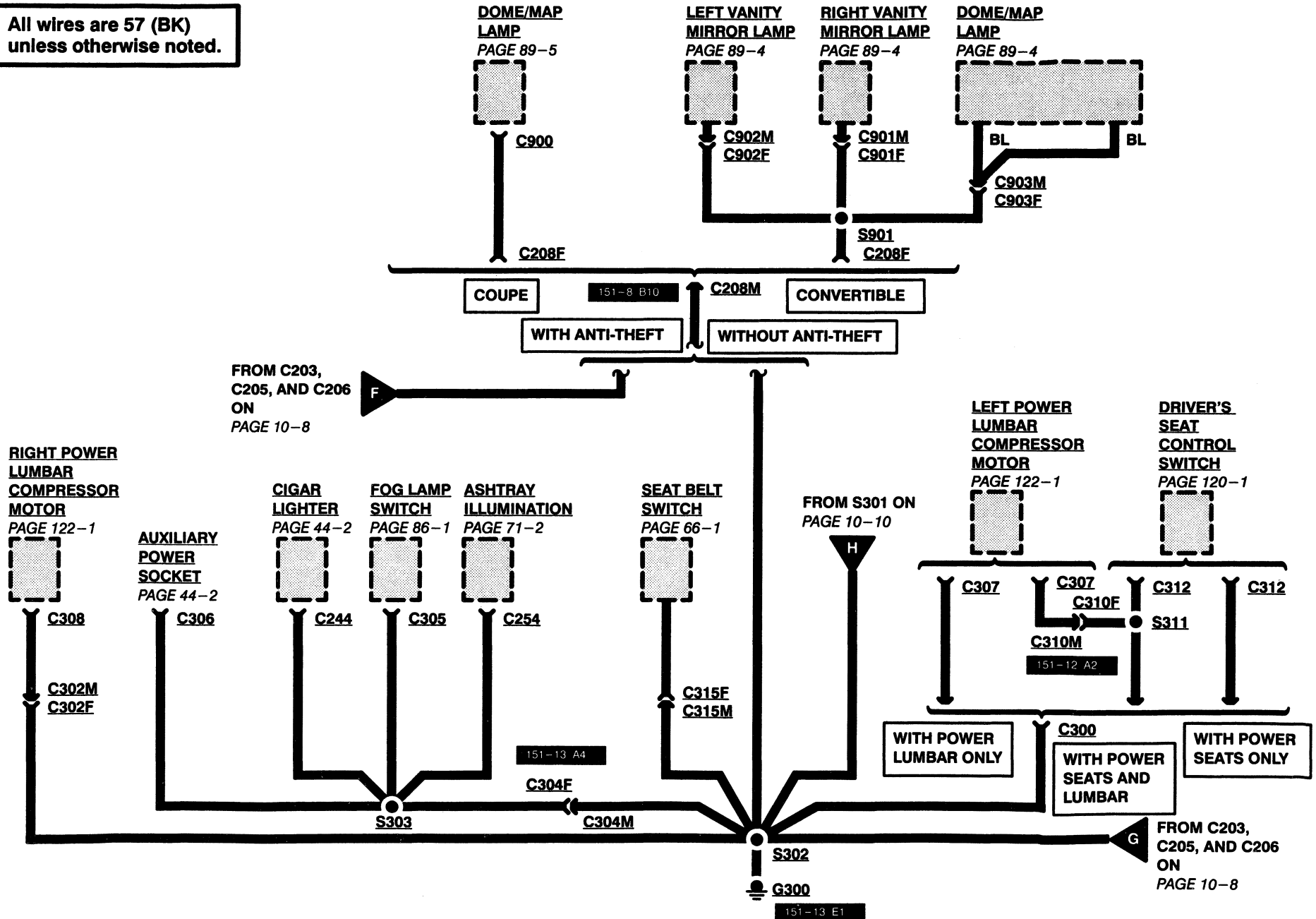
* WITHOUT POWER WINDOWS/DOOR LOCKS
 ** WITH POWER WINDOWS/DOOR LOCKS



10-9 GROUNDS

1995 MUSTANG

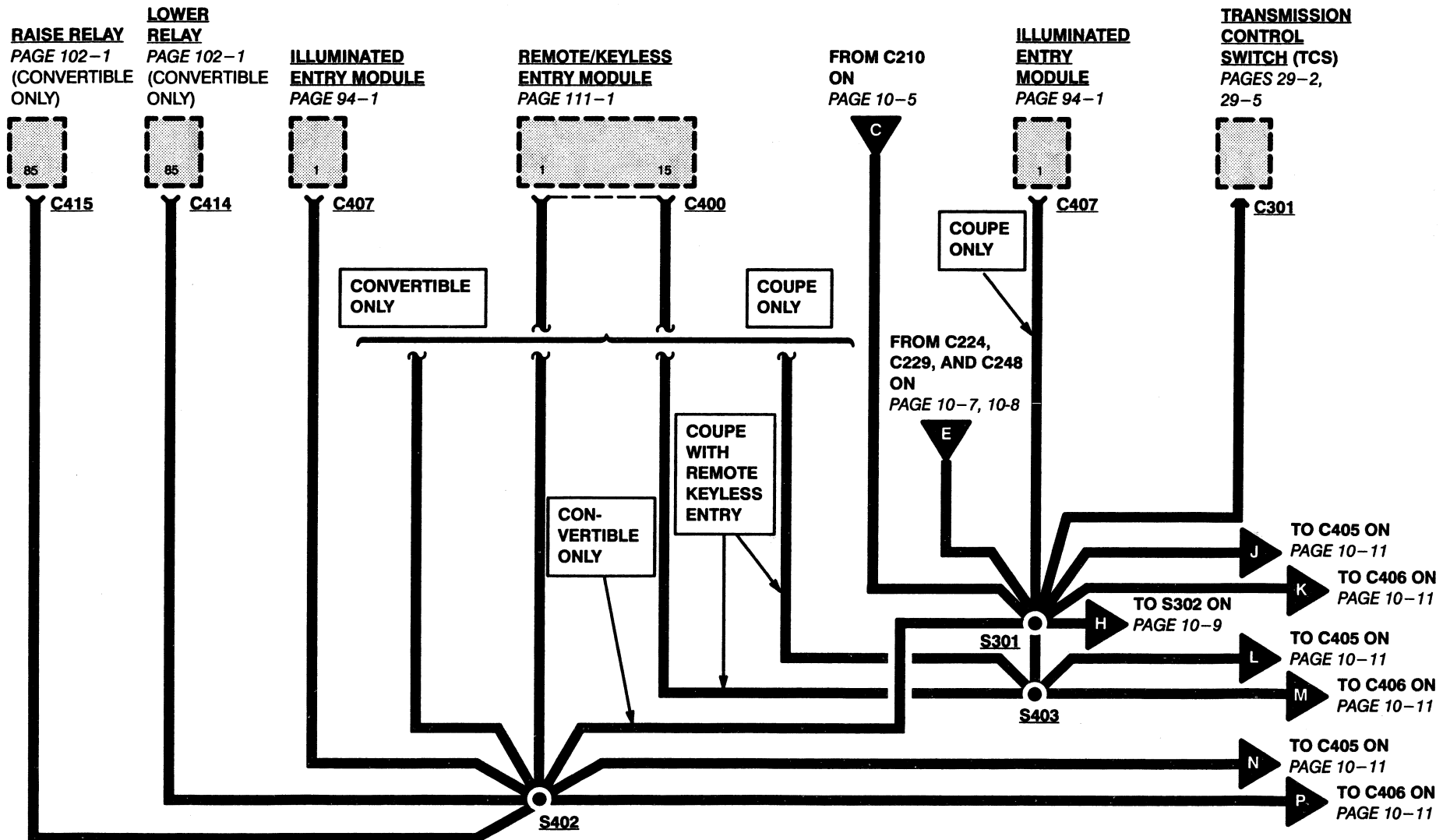
All wires are 57 (BK)
unless otherwise noted.



GROUNDS 10-10

1995 MUSTANG

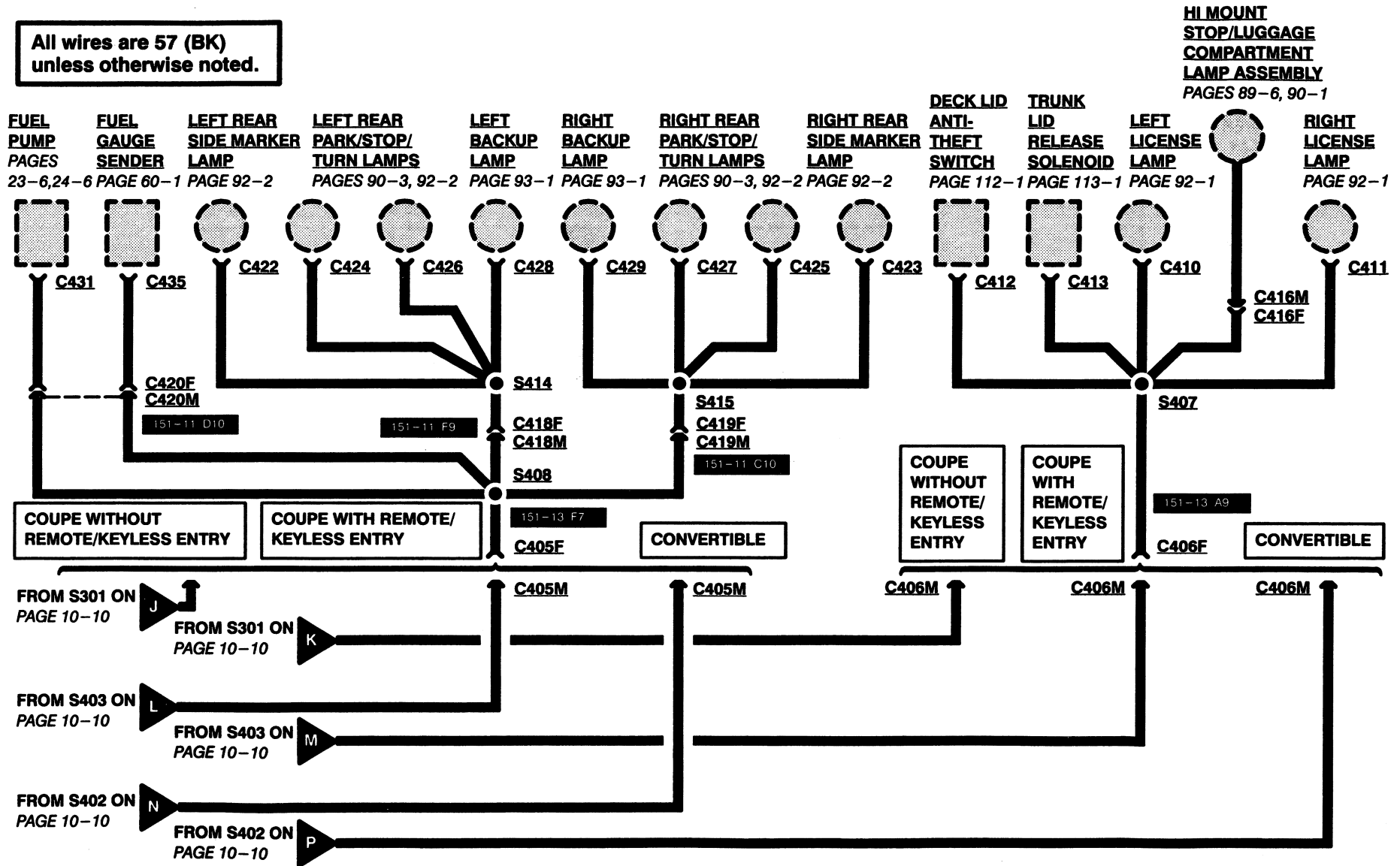
All wires are 57 (BK) unless otherwise noted.



10-11 GROUNDS

1995 MUSTANG

All wires are 57 (BK) unless otherwise noted.



Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.

LOCATION INDEX 152-26

1995 MUSTANG

Connector	Location	Page Zone	Connector		
			Page	Color	Terminal
C432 (Convertible)	LH side of trunk	151-15 F5		BR	1
C432 (Coupe)	LH side of trunk	151-12 F5		BR	1
C433 (Convertible)	On LH side of rear window defrost grid	151-15 F6			1
C433 (Coupe)	On LH side of rear window defrost grid	151-12 F6			1
C434 (Convertible)	On RH side of rear window defrost grid	151-15 A9			1
C434 (Coupe)	On RH side of rear window defrost grid	151-12 A8			1
C435 (Convertible)	On fuel gauge sender	151-14 B10		GY	2
C435 (Coupe)	On fuel gauge sender	151-11 B10		GY	2
C436	On left rear speaker	151-11 F5		GY	2
C437	On right rear speaker	151-11 A9		GY	2
C438	Front of trunk, to convertible top motor	151-15 D1		GY	2
C439	On rear speaker subwoofer amplifier	151-15 F7	130-13		6
C440	On front speaker subwoofer amplifier	151-16 A8	130-12		6
C441 (Convertible)	Below LH side of rear seat	151-15 F4		GY	
C441 (Coupe)	Below LH side of rear seat	151-12 F4		GY	
C442	On left rear super sound amplifier	151-12 F7			
C443	On right rear super sound speaker	151-12 A10			
C444 (Convertible)	LH side of trunk, taped to harness	151-16 D10		GY	2
C444 (Coupe)	LH side of trunk, taped to harness	151-13 D10		GY	2
C445 Remote/Keyless Entry Connector (Convertible)	LH side of trunk, taped to harness	151-14 F6		GY	2
C445 Remote/Keyless Entry Connector (Coupe)	LH side of trunk, taped to harness	151-11 F6		GY	2
C501 (Convertible)	On power mirror switch	151-14 C1	124-2	GY	8
C501 (Coupe)	On power mirror switch	151-11 C1	124-2	GY	8
C502 (Coupe)	On master window/door lock control switch	151-11 D1	100-5	BK	15
C503 (Convertible)	On left door speaker	151-15 C1		GY	2
C503 (Coupe)	On left door speaker	151-12 C1		GY	2
C504 (Convertible)	In LH door, to left door window motor	151-14 F4		GY	2
C504 (Coupe)	In LH door, to left door window motor	151-11 F4		GY	2
C505 (Convertible)	On master window/door lock control switch	151-14 D1	100-5	BK	16
C506 (Convertible)	On left door handle switch	151-14 F3			2
C506 (Coupe)	On left door handle switch	151-11 F3			2
C507 (Convertible)	In LH door, to left door disarm switch	151-15 E1			2
C507 (Coupe)	In LH door, to left door disarm switch	151-12 E1			2
C508 (Convertible)	On left courtesy lamp switch	151-15 A1		N	3
C508 (Coupe)	On left courtesy lamp switch	151-12 A1		N	3
C509 (Convertible)	On left door lock motor	151-14 E1		BK	2
C509 (Coupe)	On left door lock motor	151-11 E1		BK	2
C510 (Convertible)	In LH door, to left power mirror	151-14 B1			3

152-27 LOCATION INDEX

1995 MUSTANG

<u>Connector</u>	<u>Location</u>	<u>Page Zone</u>	<u>Connector Page</u>	<u>Color</u>	<u>Terminal</u>
C510 (Coupe)	In LH door, to left power mirror	151-11 B1			3
C511 (Convertible)	On left front super sound speaker	151-15 B1		GY	
C511 (Coupe)	On left front super sound speaker	151-12 B1		GY	
C512 (Convertible)	On one touch down power window module	151-16 D1			5
C512 (Coupe)	On one touch down power window module	151-13 D1			5
C520	In LH door	*		BR	
C602 (Convertible)	On right window/door lock control switch	151-14 A6	100-6	BK	10
C602 (Coupe)	On right window/door lock control switch	151-11 A6	100-6	BK	10
C603 (Convertible)	On right door speaker	151-15 A6		GY	2
C603 (Coupe)	On right door speaker	151-12 A6		GY	2
C604 (Convertible)	In RH door, to right door window motor	151-14 A4			2
C604 (Coupe)	In RH door, to right door window motor	151-11 A4			2
C606 (Convertible)	On right door handle switch	151-14 A8			2
C606 (Coupe)	On right door handle switch	151-11 A8			2
C607 (Convertible)	In RH door, to right door disarm switch	151-15 A7		N	2
C607 (Coupe)	In RH door, to right door disarm switch	151-12 A7		N	2
C608 (Convertible)	On right courtesy lamp switch	151-15 A4		N	3
C608 (Coupe)	On right courtesy lamp switch	151-12 A4		N	3
C609 (Convertible)	On right door lock motor	151-14 A7		BK	2
C609 (Coupe)	On right door lock motor	151-11 A7		BK	2
C610 (Convertible)	In RH door, to right power mirror	151-14 A5			3
C610 (Coupe)	In RH door, to right power mirror	151-11 A5			3
C611 (Convertible)	On right front super sound speaker	151-15 A5		GY	
C611 (Coupe)	On right front super sound speaker	151-12 A5		GY	
C900	On dome/map lamp	151-11 A2			3
C901	RH side of windshield header, to right vanity mirror lamp	151-14 A3			2
C902	LH side of windshield header, to left vanity mirror lamp	151-14 A1			2
C903	Center of windshield header, to dome/map lamp	151-14 A2			3
C904	RH side of windshield header, to right vanity mirror lamp	151-11 A3		N	1
C905	LH side of windshield header, to left vanity mirror lamp	151-11 A1		N	1

★ No Figure Available

<u>Ground</u>	<u>Location</u>	<u>Page Zone</u>
G102 (3.8L)	LH front of engine compartment	151-1 D10
G102 (5.0L)	LH front of engine compartment	151-4 D10
G103 (3.8L)	RH front of engine compartment	151-1 D1
G103 (5.0L)	RH front of engine compartment	151-4 D1

<u>Ground</u>	<u>Location</u>	<u>Page Zone</u>
G104 (3.8L)	LH front of engine compartment	151-1 D10
G104 (5.0L)	LH front of engine compartment	151-4 D10
G105 (3.8L)	LH front of engine	151-3 C10
G105 (5.0L)	LH front of engine	151-6 C10
G201	Behind I/P, at RH cowl	151-8 F7
G203	Behind center of I/P	151-10 F3
G204	Behind center of I/P	151-10 F3
G205	Behind center of I/P	151-10 F3
G300 (Convertible)	Below rear of center console	151-16 E1
G300 (Coupe)	Below rear of center console	151-13 E1
G400 (Convertible)	RH front of trunk	151-15 A10
G400 (Coupe)	RH rear window pillar	151-12 A9

<u>Splice</u>	<u>Location</u>
S100 (3.8L)	Engine control sensor harness, near T/O to C117
S100 (5.0L)	Engine control sensor harness, near T/O to C145
S101	Body main harness, near T/O to C107
S102 (3.8L)	Engine control sensor harness, near T/O to C117
S102 (5.0L)	Engine control sensor harness, near T/O to C128
S103	Dash panel to headlamp junction harness, near T/O to G102
S104	Dash panel to headlamp junction harness, near T/O to G103
S105	Engine control sensor harness, near T/O to C135
S107	Engine control sensor extension harness, near T/O to C101
S108	Engine control sensor harness, near T/O to C117
S109	Dash panel to headlamp junction harness, near T/O to C100
S111	Dash panel to headlamp junction harness, in T/O to engine compartment fuse box
S112	Engine control sensor extension harness, near T/O to C101
S113	Dash panel to headlamp junction harness, near T/O to C112
S114	Engine control sensor harness, near T/O to C165
S115	Engine control sensor harness, near T/O to C145
S116	Engine control sensor harness, near T/O to C145

152-29 LOCATION INDEX

1995 MUSTANG

Splice	Location
S117	Engine control sensor harness, near T/O to grommet
S118	Engine control sensor harness, in T/O to C173
S119 (3.8L)	Engine control sensor harness, near T/O to C192
S119 (5.0L)	Engine control sensor harness, near T/O to C128
S120	Engine control sensor harness, near T/O to C145
S121	Engine control sensor harness, near T/O to C119
S122 (3.8L)	Engine control sensor harness, near T/O to C192
S122 (5.0L)	Engine control sensor harness, near T/O to C194
S123	Fuel charge harness, near T/O to C185
S124	Fuel charge harness, near T/O to C182
S125 (AODE Transmission)	Transmission control selector neutral switch harness, near T/O to C132
S125 (T5OD Transmission)	Back up lamp switch to rear lamp feed harness, near T/O to C196
S126 (AODE Transmission)	Transmission control selector neutral switch harness, near T/O to C129
S126 (T5OD Transmission)	Back up lamp switch to rear lamp feed harness, near T/O to C129
S127	Engine control sensor harness, near T/O to C165
S129	Fuel charge harness, near T/O to C179
S130	Fuel charge harness, near T/O to C186
S131	Dash panel to headlamp junction harness, near T/O to C112
S132	Fuel charge harness, near T/O to C137
S133	Dash panel to headlamp junction harness, near T/O to C112
S134	Dash panel to headlamp junction harness, near T/O to C112
S135 (3.8L)	Engine control sensor harness, near T/O to C145
S135 (5.0L)	Engine control sensor harness, near T/O to C104
S136	Dash panel to headlamp junction harness, near T/O to C127
S137	Engine oil pressure & engine coolant temperature indicator sender harness, near T/O to C131
S138	Engine oil pressure & engine coolant temperature indicator sender harness, near T/O to C131
S139	Engine control sensor extension harness, near T/O to C146
S140	Engine control sensor harness, near T/O to C192
S141	Engine control sensor harness, near T/O to C192
S201	Main harness, near T/O to G203 & G204
S202	Main harness, near T/O to C250 & C251
S203	Main harness, near T/O to C233
S205	Main harness, near T/O to C240 & C241
S206	Main harness, near T/O to C240 & C241

LOCATION INDEX 152-30

1995 MUSTANG

<u>Splice</u>	<u>Location</u>
S208	Radio amplifier harness, in T/O to C257
S209	Radio amplifier harness, near T/O to C278
S211	Engine control sensor harness, behind RH side of I/P, near grommet
S212	Radio amplifier harness, near T/O to C252
S213	Main harness, near T/O to C237
S214	Main harness, near T/O to C228
S215	Main harness, near T/O to C209
S216	Main harness, near T/O to C209
S217	Engine control sensor harness, near T/O to C259
S218	Main harness, near T/O to C226
S219	Body main harness, near T/O to C212
S220	Main harness, near T/O to C249
S221	Main harness, near T/O to C299
S222	Radio amplifier harness, near T/O to C278
S223	Body main harness, near T/O to C239
S224	Main harness, near T/O to C246
S225	Main harness, in T/O to C211, C214 & C215
S226	Main harness, in T/O to C226
S227	Main harness, near T/O to C246
S228	Main harness, in T/O to C250
S229	Main harness, near T/O to C226
S230	Main harness, near T/O to C233
S231	Main harness, near T/O to C299
S232	Body main harness, near T/O to C256
S233	Main harness, near T/O to C210
S234	Engine control sensor harness, behind RH side of I/P, near grommet
S235	Engine control sensor harness, in T/O to C213 & C216
S236	Engine control sensor harness, in T/O to C213 & C216
S237	Body main harness, near T/O to C227
S238	Radio amplifier harness, near T/O to C258
S239	Main harness, in T/O to C202
S240	Main harness, near T/O to C240 & C241
S241	Main harness, in T/O to C240 & C241
S245	Engine control sensor harness, behind RH side of I/P, near grommet

152-31 LOCATION INDEX

1995 MUSTANG

Splice	Location
S246	Body main harness, near T/O to C256
S247	Main harness, in T/O to C250
S248	Main harness, near T/O to C250
S249	Body main harness, near T/O to C229
S250	Engine control sensor harness, behind RH side of I/P, near grommet
S265	320mm from T/O to C302
S301	Body main harness, near T/O to C300
S302	Body main harness, near T/O to C301
S303	Console panel harness, near T/O to C305 & C306
S304	Body main harness, near T/O to C300
S305	Console panel harness, in T/O to C304
S306	Body main harness, near T/O to C212
S308	Console panel harness, in T/O to C304
S309	Under LH drivers seat
S311	Lumbar harness, below LH front seat
S313	Body main harness, near T/O to C212
S314	Body main harness, near T/O to C212
S315	Body main harness, near T/O to C210
S316	Body main harness, near T/O to C304
S317	Body main harness, near T/O to C319
S318	Body main harness, near T/O to C212
S319	Body main harness, near T/O to C212
S320	Body main harness, near T/O to C212
S401	Body main harness, near T/O to C444
S402	Body main harness, near T/O to C406 & C432
S403	Body main harness, near T/O to C444
S404	Radio amplifier harness, near T/O to C409
S405	Radio amplifier harness, near T/O to C408
S407	Luggage compartment lamp harness, near T/O to C421
S408	Rear lamp harness, near T/O to C420
S409	Body main harness, near T/O to C438
S410	Body main harness, near T/O to C444
S411	Body main harness, near T/O to C444
S412	Body main harness, in T/O to C404
S413	Body main harness, in T/O to C402

<u>Splice</u>	<u>Location</u>
S414	LH rear lamp harness, near T/O to C426
S415	RH rear lamp harness, near T/O to C425
S416	Body main harness, in T/O to C405
S417	Luggage compartment lamp harness, near T/O to C412
S418	Rear lamp harness, in T/O to C405
S419	RH rear lamp harness, near T/O to C425
S420	LH rear lamp harness, near T/O to C426
S421	Body main harness, near T/O to C444
S422	Body main harness, near T/O to C444
S423	Body main harness, in T/O to C403
S424	Body main harness, in T/O to C400
S425	Rear lamp harness, near T/O to C417
S426	Body main harness, near T/O to C444
S427	Body main harness, in T/O to C403 & C404
S428	Body main harness, in T/O to C400
S429	Body main harness, in T/O to C401
S430	Body main harness, in T/O to C401
S431	Radio amplifier harness, near T/O to C441
S432	Radio amplifier harness, near T/O to C408
S433 (Convertible)	Radio amplifier harness, near T/O to C325
S433 (Coupe)	Radio amplifier harness, near T/O to C441
S434 (Convertible)	Radio amplifier harness, near T/O to C325
S434 (Coupe)	Radio amplifier harness, near T/O to C441
S435	Body main harness, near T/O to C444
S436	Radio amplifier harness, near T/O to C325
S437	Radio amplifier harness, near T/O to C325
S438	Mounted in center of rear spoiler
S439	Mounted in center of rear spoiler
S501	LH door window regulator harness, near T/O to C510
S502	LH door window regulator harness, near T/O to C509
S503	LH door window regulator harness, near T/O to C503
S504	LH door window regulator harness, near T/O to C503
S505 (Convertible)	LH door window regulator harness, near T/O to C503

152-33 LOCATION INDEX

1995 MUSTANG

Splice	Location
S505 (Coupe) (with Remote/ Keyless Entry)	LH door window regulator harness, near T/O to C501
S505 (Coupe) (without Remote/ Keyless Entry)	LH door window regulator harness, near T/O to C501
S506	LH door window regulator harness, near T/O to C511
S510	LH door window regulator harness, near T/O to C501
S601	RH door window regulator harness, near T/O to C607
S602	RH door window regulator harness, near T/O to C611
S603	RH door window regulator harness, near T/O to C611
S901	Interior lamp harness, near T/O to C901
S902 (Convertible)	Interior lamp feed harness, near T/O to C900
S902 (Coupe)	Interior lamp harness, near T/O to C903

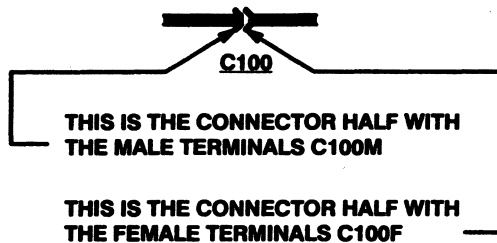
153-1 HARNESS CAUSAL PART NUMBER

1994 MUSTANG

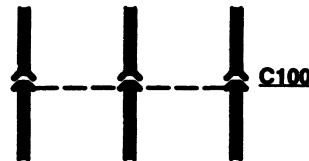
HOW TO IDENTIFY A BASIC HARNESS NUMBER BY USING A "C" NUMBER

Understand these symbols before you use the following listing:

THIS MEANS A HARNESS CONNECTION

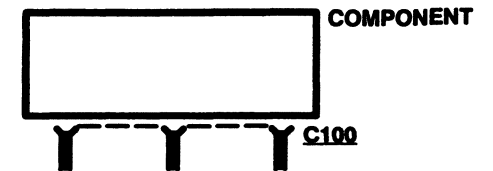


THE DASHED LINE MEANS THAT ALL OF THESE TERMINALS ARE IN THE SAME CONNECTION



THE UPPER FEMALE TERMINALS ARE IN C100F;
THE LOWER MALE TERMINALS ARE IN C100M

THIS MEANS A COMPONENT CONNECTION



THE F AND M IS NOT USED WITH THE "C" NUMBER

Identify the basic harness part number by:

1. If the problem is in a connector, find the connector "C" number in the EVTm schematics. Then locate the "C" number in the following listing and read the basic harness part number.
2. If the problem is **not** in a connector (such as a short or broken wire), then choose a connector **located on the same harness** that has the problem. Identify the "C" number of that connector. Locate the "C" number in the following listing and read the basic part number of the harness that has the problem.

HARNES CAUSAL PART NUMBER 153-2

1994 MUSTANG

<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>
C100 (F)	14290	C119 (M)(T5OD)	15525	C148	14290	C186	9D930
C100 (M)	14305	C120	14290	C149	14290	C187	9D930
C101 (M)	9D930	C121	14290	C150	14290	C188	9D930
C101 (F)	12A690	C122	14290	C151	14A005	C189	12A581
C102 (F)	14A005	C123	14290	C153	14305	C190	9D930
C102 (M)	15A702	C124	14290	C154	14305	C191	9D930
C103	15A702	C125	14290	C157	14290	C192	12A581
C104 (F)	12A581	C126	14290	C158	14290	C193 (3.8L)(AODE) ...	7C078
C104 (M)	9D930	C127	14290	C159 (F)	14305	C193 (3.8L)(T5OD) ...	15525
C105 (M)	14290	C128	12A581	C159 (M)	12A581	C193 (5.0L)	12A690
C105 (F)	14A005	C129 (AODE)	7C078	C161	15525	C194	12A581
C106 (F)	12A581	C129 (T5OD)	15525	C164	14A005	C196 (3.8L)(AODE) ...	7C078
C106 (M) (T5OD)	15525	C130	9D930	C165 (3.8L)	9D930	C196 (3.8L)(T5OD) ...	15525
C106 (M) (AODE) ...	7C078	C131 (F)	10A998	C165 (5.0L)	12A581	C196 (5.0L)	12A690
C107 (M)	14A005	C131 (M)	9D930	C167	12A581	C197	12B566
C107 (F)	14290	C132	7C078	C168	10A998	C198	12A581
C108 (M)	14290	C133	7C078	C169	10A998	C199	12A581
C108 (F)	12A581	C135 (F)	12A581	C170	14290	C200	14401
C109 (M)	12A581	C135 (M)	12B566	C171	12B566	C201	14401
C109 (F)	14290	C136	14290	C172	9D930	C202	14401
C110	7C078	C137	9D930	C173	12A581	C203 (F)	14630
C111	9D930	C138	9D930	C175	12A581	C203 (M)	14A005
C112 (F)	14290	C139	9D930	C176	12A581	C204 (F)	14630
C112 (M)	14B060	C140 (F)	14290	C177	9D930	C204 (M)	14A005
C113	7C078	C140 (M)	PIA	C178	9D930	C205 (F)	19A041
C114	9D930	C141	PIA	C179	9D930	C205 (F)	14630
C115	12A581	C142	PIA	C180	9D930	C205 (M)	14A005
C116	14B060	C143	14290	C181	9D930	C206 (F)	14630
C117	12A581	C144	14290	C182	9D930	C206 (M)	14A005
C118	9D930	C145	12A581	C183	9D930	C207 (F)	14630
C119 (M)(AODE)	7C078	C146	12A690	C184	9D930	C207 (M)	14A005
C119 (F)	12A581	C147	9D930	C185	9D930	C208 (F)(Convert.) ...	14335

153-3 HARNESS CAUSAL PART NUMBER

1994 MUSTANG

<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>
C208 (F)(Coupe)	14334	C231	14401	C258 (M)	19B113	C302 (F)	14A005
C208 (M)	14A005	C232	14401	C258 (F)	14401	C303 (F)	14401
C209	14401	C233 (F)	C16-204	C259 (F)	12A581	C303 (M)	19B113
C210 (F)	14A005	C233 (M)	14401	C259 (M)	14A005	C304 (F)	14B079
C210 (M)	14401	C234	14401	C260 (F)	9D821	C304 (M)	14A005
C211	14401	C235	14401	C260 (M)	14A005	C305	14B079
C212 (F)	14A005	C236	14401	C262	C16-204	C306	14B079
C212 (M)	14401	C237	14401	C270	14401	C307	14B084
C213 (F)	14401	C238 (F)	14401	C271 (F)	14401	C308	14B084
C213 (M)	12A581	C238 (M)	19B555	C271 (M)	C16-204	C309	14B079
C214	14401	C239 (F)	14631	C272	C16-204	C310 (F)	14B723
C215	14401	C239 (M)	14A005	C274	19B113	C310 (M)	14B084
C216 (F)	14401	C240	14401	C275 (F)	19B113	C311	14B723
C216 (M)	12A581	C241	14401	C275 (M)	19B113	C312	14B723
C218 (F)	14401	C242	14A005	C276	14K024	C313	14B084
C218 (M)	14A005	C243	C16-204	C277	14K024	C314	14B084
C219 (F)	14401	C244	14B079	C278	19B113	C315	14A005
C219 (M)	14A005	C245 (M)	14B079	C279	19B113	C316	14B084
C220	14401	C246	14401	C280	19B113	C317	14B079
C223	14401	C248 (F)	14631	C281	19B113	C318	14B079
C224 (F)	19A044	C248 (M)	14A005	C282	19B113	C319	14A005
C224 (F)	14631	C250	14401	C283	19B113	C320	14A005
C224 (M)	14A005	C251	14401	C284	19B113	C321	14A005
C225 (F)	14631	C252 (F)	19B113	C285	14401	C322	14A005
C225 (M)	14A005	C252 (M)	14401	C286	19B555	C323	14A005
C226	14401	C253 (F)	12638	C287	19B555	C324	14A005
C227 (F)	14631	C253 (M)	14A005	C294	12A581	C325 (F)	19B113
C227 (M)	14A005	C254	14B079	C299	14401	C325 (M)	14A005
C228	14401	C255	14A005	C300 (F)	14A005	C326	14A005
C229 (F)	14631	C256	14A005	C300 (M)	14B084	C327	19B113
C229 (M)	14A005	C257 (M)	19B113	C301	14A005	C400	14A005
C230	14401	C257 (F)	14401	C302 (M)	14B084		

HARNES CAUSAL PART NUMBER 153-4

1994 MUSTANG

<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>	<u>Connector Number</u>	<u>Wire Assembly</u>
C401	14A005	C428	13410	C502	14631	C902	14335
C402	14A005	C429	13407	C503	19A044	C903	14335
C403	14A005	C431	9A340	C503	14631	C904	14334
C404	14A005	C432 (F)(Coupe)	18C618	C504	14631	C905	14334
C405 (F)	14405	C432 (F)(Convert.) ..	18C619	C505	14631		
C405 (M)	14A005	C432 (M)	14A005	C506	19A044		
C406 (F)	19B516	C433 (Coupe)	18C618	C506	14631		
C406 (M)	14A005	C433 (Convert.)	18C619	C507	14631		
C407	14A005	C434	18C620	C508	19A044		
C408	19B113	C435	9A340	C508	14631		
C409	19B113	C436	14A005	C509	14631		
C410	19B516	C437	14A005	C510	19A044		
C411	19B516	C438	14A005	C510	14631		
C412	19B516	C439	19B113	C511	14631		
C413	19B516	C440	19B113	C512	PIA		
C414	14A005	C441 (F)	19B113	C520 (F)	14631		
C415	14A005	C441 (M)	PIA	C520 (M)	PIA		
C416	19B516	C442	PIA	C602	14630		
C417	14405	C443	PIA	C603	19A041		
C418 (F)	13410	C444 (F)	9D821	C603	14630		
C418 (M)	14405	C444 (M)	14A005	C604	14630		
C419 (F)	13407	C445 (M)	19B516	C606	19A041		
C419 (M)	14405	C445 (F)	13A625	C606	14630		
C420 (M)	14405	C446	13A625	C607	14630		
C420 (F)	9A340	C447	13A625	C608	19A041		
C421	19B516	C448	13B711	C608	14630		
C422	13410	C449 (F)	19B516	C609	14630		
C423	13407	C449 (M)	13B711	C610	19A041		
C424	13410	C450 (F)	13A625	C610	14630		
C425	13407	C450 (M)	19B516	C611	14630		
C426	13410	C501	19A044	C900	14334		
C427	13407	C501	14631	C901	14335		

160-1 VEHICLE REPAIR LOCATION CODES

1995 MUSTANG

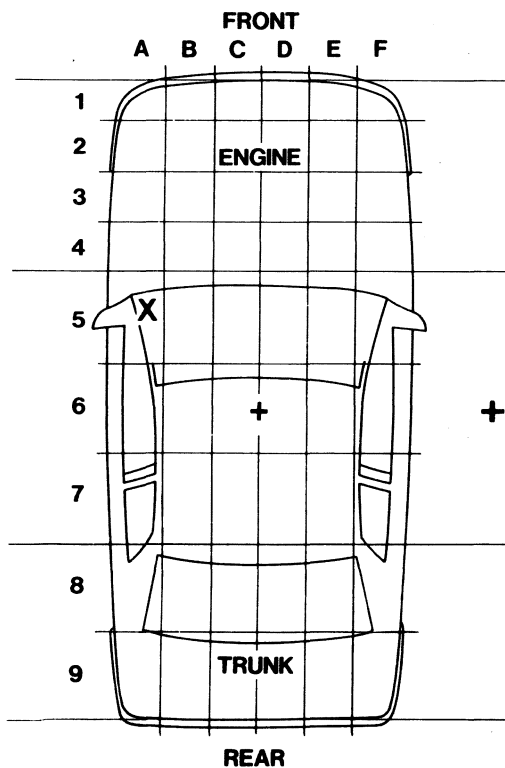
VEHICLE REPAIR LOCATION CODES

TO PINPOINT THE ACTUAL VEHICLE LOCATION OF A REPAIR, THE VEHICLE REPAIR LOCATION CODE IS REQUIRED.

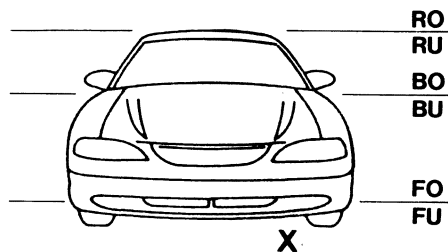
FOR EXAMPLE, AN "X" HAS BEEN PLACED IN THE QUADRANT OF THE VEHICLE DIAGRAMS INDICATING THE LOCATION OF THE REPAIR. SEE DIAGRAMS.

LOCATION CODE, FOR THE EXAMPLE IS: A5/FU — (UNDER THE FLOOR OF DRIVER'S LEFT FOOT.)

FRONT/REAR DIRECTION

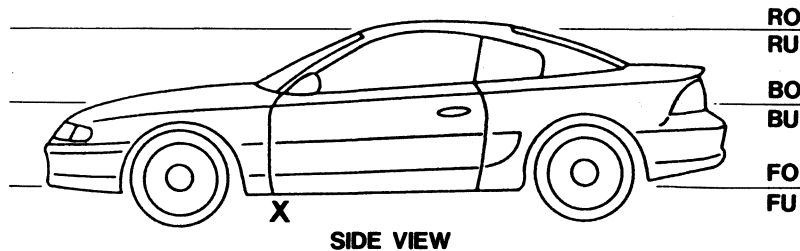


OVER/UNDER DIRECTION



- R = ROOF LINE
- RO = ROOF OVER
- RU = ROOF UNDER
- B = BELT LINE
- BO = BELT OVER
- BU = BELT UNDER
- F = FLOOR PAN
- FO = FLOOR OVER
- FU = FLOOR UNDER

+ CENTER OF VEHICLE



SIDE VIEW

Buy Now

