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Colorized Mustang Wiring & Vacuum Diagrams

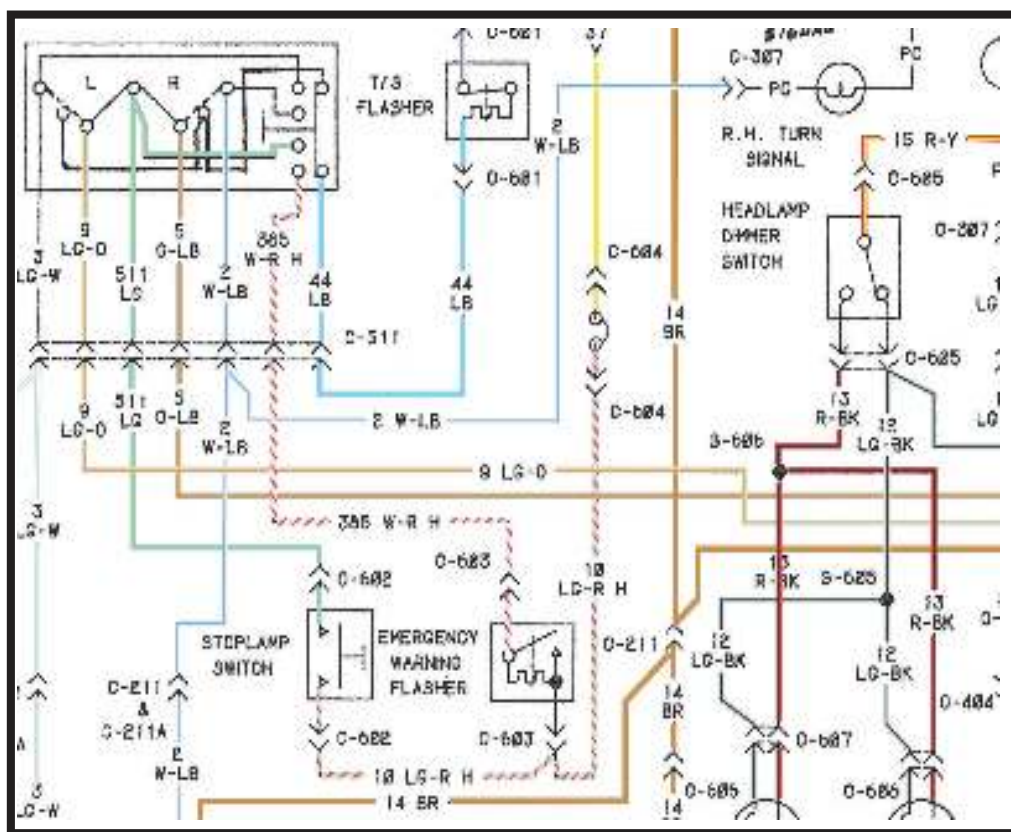
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Course 13001, Vol 68 S7
"How to Read Wiring
Diagrams"
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**A consolidated collection of original Ford
electrical & vacuum diagrams**

This product includes

- Colorized wiring diagrams
- Vacuum diagrams
- Vol. III 1973 Car Shop Manual, Electrical
- ***How to Read Wiring Diagrams*** training course

...and much more!!



Example of colorized diagrams

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1973 Colorized Mustang Wiring and Vacuum Diagrams
(Extracted from Mark Corp 365-163, Mark Corp 365-126-73C, and FD-7943-G)
EAN: 978-1-60371-032-9
ISBN: 1-60371-032-9

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Note from the Editor

This product was compiled using several original Ford Motor Company publications. In some cases, there are slight differences between publications, so it is important to compare between diagrams, schematics, or illustrations. The contents of this product were extracted from: **1973 Wiring and Vacuum Diagrams** (Mark Corp 365-126-73C), 1973 Car Shop Manual, Electrical Volume III (Mark Corp 365-163), and **How to Read Wiring Diagrams** (FD-7943-G, January 1968).

Disclaimer

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ATTENTION

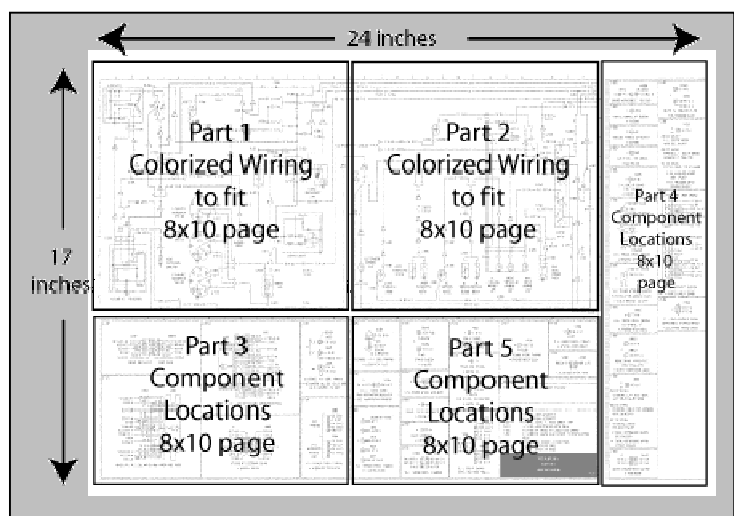
Please Read This



Page Layout of Wiring Diagrams: The original 1973 Ford Motor Company wiring and vacuum diagrams were produced in a very large 17 x 24 inch format. As a result of the large format size, pages cannot be printed on a standard home printer. To correct this problem and to make the pages easier to read, each large page has been broken into smaller 8 ½ x 11 inch pages. The illustration below depicts the original size of the diagrams and how individual pages were created.

As you scroll through the manual, the first page will be the original page in the 17x24 format. In this way, you can see the entire page as Ford printed it. The subsequent pages will be the smaller 8 ½ x 11 page extracts with the wiring colorized. Although the 17x24 pages can be printed onto standard paper, the print is so small that it makes it virtually unreadable.

Please use the illustration to help you navigate through the manual.



Possible Color Code Errors: It is important to note that there may be errors in the diagrams, even though they are original Ford publications. Below are two examples of possible errors from 1971 manuals where the color code on the page diagram did not match the master Car Standard Wire Code Chart. If your vehicle has a color coded wire that does not match a diagram you should consult the other diagrams contained in the manual for a possible match. Although no errors were identified for the 1973 manuals, it is worth highlighting the example below.

Example of possible errors

37	YELLOW
38	BLACK
54	LT. GREEN-YELLOW STRIPE
158	BLACK-PINK HASH STRIPE

In the wiring diagrams from the Ford publication Form 7795P-71, the Key Warning Buzzer Wiring Color Code shows:

38 Black

However, the Car Standard Wire Color

37	YELLOW
38	BLACK
54	LT. GREEN-YELLOW STRIPE
158	BLACK-PINK HASH STRIPE

In the wiring diagrams from the Ford publication Form 7795P-71, the Key Warning Buzzer Wiring Color Code shows:

158 Black-Pink HASH STRIPE

However, the Car Standard Wire Color Code Chart lists:

158 Black- Pink HASH



The color coded wiring diagrams are provided for illustration purposes only. Only the wire number should be used for the identification of the wire itself. The color coding of the wires in the product may not match the actual colors of the wires in the vehicle. In some cases, the colors have been altered to provide a visual contrast (i.e. the color white has been shaded to make it more visible). As stated in the paragraph above, there are some variation and/or differences between the original Ford wiring diagrams. If your vehicle has a color coded wire that does not match a diagram you should consult the other diagrams contained in the manual for a possible match.

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Source Document
Ford Publication 365-163

COURSE 0333-001

1973

WIRING and VACUUM DIAGRAMS

Mark Corp
Aug 72 365-163



Ford Marketing Corporation
Ford Customer Service Division
Service Technical Communication



FOREWORD

This book contains wiring and vacuum diagrams for all Ford and Lincoln-Mercury car lines and all Ford trucks.

Both wiring and vacuum diagram replacement sheets will be released as required to keep the book current.

All vacuum systems are contained in a separate section.

This book is divided by vehicles. Refer to the applicable section as follows:

- Pinto
- Capri
- Maverick
- Comet
- Mustang
- Cougar
- Torino
- Montego
- Ford
- Mercury-Meteor
- Thunderbird
- Mark IV
- Lincoln
- Bronco
- Courier
- Econoline
- P-Series
- F-100-350 Series
- B and F-500-750 Series
- C-Series
- W-Series
- (with Standard Fuse Panel)
- W-Series
- (with RPO Circuit Breaker Panel)
- L-Series — Line Haul
- L-Series — City Delivery

 **Ford Marketing Corporation**
Ford Customer Service Division
Service Technical Communications Department

The illustrations contained in this book were in effect at the time the book was approved for printing. Ford Motor Company, whose policy is one of continuous improvement, reserves the right to discontinue models at any time, or to change specifications or design, without notice and without incurring obligation.



HOW TO USE THE WIRING DIAGRAMS

Each electrical circuit is illustrated in a clear and easy to follow style.

There are 7 steps that should be followed to use this diagram to diagnose electrical problems.

- Verify the complaint
- Refer to the Index for system location
- Locate inoperative system on schematic
- Identify other systems on the circuit
- Isolate the problem area
- Correct the problem
- Operate the corrected system

VERIFY THE COMPLAINT

To diagnose a customer complaint "Engine Diesels" the first thing we should do is verify the complaint.

If the engine does diesel, we'd check the operation of the throttle solenoid.

If the solenoid is not operating, refer to the INDEX on page 1 of the vehicle schematic.

REFER TO THE INDEX

An INDEX is provided on page 1 to locate the inoperative components.

See Emission Control Solenoid on the INDEX. The INDEX lists the location of the part on the drawing.

The drawing is set up like a road map. For example: the Pinto Emission Control Solenoid (throttle) is located at D-14. To locate D-14 on the schematic, find the number 14 at the top of the illustration.

Now, find the letter D on the side of the illustration. Follow the number and the letter until they intersect. The part will be within an inch or two of the intersection.

LOCATE INOPERATIVE SYSTEM

Generally, the power supply for all components on this drawing comes from the top of the page and over to the battery at the left.

The ground for each component is always toward the bottom of the drawing.

There are symbols used on this drawing that are explained as follows:

- Ground symbols are shown in Figure 1. A ground wire connected away from the component is identified by a code G1 or G2, etc. The location of the remote ground is listed in the GROUND CODES chart and the bottom of the page.



Fig. 1 — Ground Symbols

- Wire color code is shown in Figure 2. Wiring Color Codes are listed on the first page of each car line. The Standard Wiring Color Codes are listed behind these instructions, both in sequence by circuit number, and also categorized by base color of wire.

640 R-Y H

Fig. 2 — Wire Color Code

If a vehicle specific wire color in a connector does not match the diagram shown, it can usually be identified by comparing the other colors shown at the wire connectors. Specific wire color deviations in the manufacturing of a wire harness are usually for a short duration.

- Harness number is shown in Figure 3. The 5 or 6 digit number near the wire indicates the wire harness basic part number.

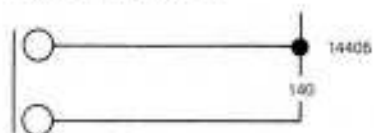


Fig. 3 – Harness Number

- Wire connector identification code is shown in Figure 4. The key for the connector codes is located at the bottom of the wiring diagram.

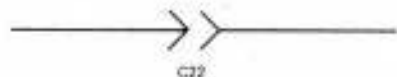


Fig. 4 – Wire Connector Code

- Male connector symbol is illustrated in Figure 5. The symbol used for the diagram and chart is shown.



Fig. 5 – Male Connector Codes

- Female connector symbol is shown in Figure 6.



Fig. 6 – Female Connector Codes

- Splice is shown in Figure 7. A splice is a common point where two wires are joined together. Location of splice is at bottom of schematic page.



Fig. 7 – Splice

- Heavy lines for the wires indicate a direct to battery feed.
- Heavy dashed lines indicate an ignition switch accessory feed.

IDENTIFY OTHER SYSTEMS ON CIRCUIT

Now that the emission control solenoid (throttle) system has been located on the diagram, we should note the other systems that use the same power supply.

At D-14 on the diagram, follow wire 640 to fuse F-6. Note that power to the seat belt warning system also comes from fuse F-6. To determine if the fuse is OK, try to activate the seat belt buzzer.

If the buzzer works, the problem is between F-6 and the solenoid.

If the buzzer doesn't work, the problem is either the fuse or the power feed to it.

ISOLATE PROBLEM AREA

Now to trace an emission control solenoid problem such as between fuse F-6 and the solenoid, we can check for power at connector C-214. To identify the specific terminals at connector C-214, refer to the Wire Connector Code Chart at the bottom of the page.

The Connector Code Chart illustrates the connector C-214 (Fig. 8). It is a 2-wire connector black in color unless otherwise specified and located near the carburetor.

Check connector C-214 for power. If it is OK, the problem is the solenoid or its wiring.

If power is not available at connector C-214, the problem is between connectors C-214 and fuse F-6.

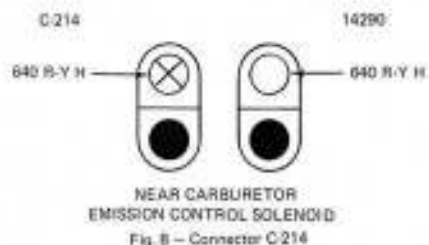


Fig. 8 – Connector C-214

CORRECT THE PROBLEM

Use standard continuity tests for open circuits and short circuit tests to find the specific problem.

Repair or replace the electrical component that is malfunctioning.

OPERATE CORRECTED SYSTEM

It is a good practice to operate the system after a repair has been made to see if it now works.

BULB AND FUSE CHART

A bulb and fuse chart is included on the first page of each section for your convenience.

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CAR STANDARD WIRE COLOR CODE CHART

CIRCUIT	DESCRIPTION	COLOR	CIRCUIT	DESCRIPTION	COLOR
1	HORN SWITCH CONTROL	DK BLUE BASE	63	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	RED BASE
2	RH FRONT TURN SIGNAL LAMP	WHITE-LT BLUE STRIPE	65	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	DR GREEN BASE
3	LH FRONT TURN SIGNAL LAMP	LT GREEN-WHITE STRIPE	66	AIR SHIFT SWITCH TO INDICATOR LAMP	LT BLUE BASE
4	ALTERNATOR REG. "S" TERM. TO ALTERNATOR "S" TERM.	WHITE-BLACK STRIPE	69	COIL TERM. IGN. SW. TO FUEL SOLENOID	RED-PINK HASH
5	RH REAR TURN SIGNAL LAMP	ORANGE-LT BLUE STRIPE	73	LOW AIR BUZZER TO LOW AIR BUZZER SWITCH	ORANGE-LT GREEN HASH
6	HORN RELAY TO HORN	YELLOW-LT GREEN HASH	74	RELAY "B" TERMINAL TO LAMP (WATER)	LT GREEN BASE
7	SEAT SWITCH ARM TERM. TO RELAY FIELD TERM.	LT GREEN-YELLOW DOT	75	STARTING MOTOR RELAY TO SERIES PARALLEL SW. (#1 TERM)	LT GREEN-PURPLE HASH
8	TURN SIGNAL FLASHER FEED	ORANGE-YELLOW STRIPE	80	ENGINE COMPARTMENT LAMP FEED	BLACK-ORANGE DOT
9	LH REAR TURN SIGNAL LAMP	LT GREEN-ORANGE STRIPE	81	EMISSION CONTROL VALVE TO SWITCH	BROWN-YELLOW DOT
10	STOPLAMP SWITCH FEED	LT GREEN-RED HASH	83	INTERLOCK MODULE TO CENTER BUCKLE SWITCH	DK BLUE-YELLOW DOT
11	ELECTRONIC SWITCH TO IGNITION COIL NEG. TERMINAL	DK GREEN-YELLOW DOT	84	DECK LID SOLENOID FEED	PURPLE-YELLOW HASH
12	HEADLAMP DIMMER SWITCH TO HIGH BEAMS	LT GREEN-BLACK STRIPE	85	SEAT BELT WARNING TIMER TO L.F. RETRACTOR SWITCH	BROWN-LT BLUE DOT
13	HEADLAMP DIMMER SWITCH TO LOW BEAMS	RED-BLACK STRIPE	86	SEAT BELT WARNING TIMER TO R.F. SEAT SENSOR	DK BLUE-WHITE DOT
14	HEADLAMP SWITCH TO TAIL LAMPS AND SIDE MARKER LAMPS	BROWN BASE	87	INTERLOCK MODULE TO CENTER SEAT SENSOR SWITCH	TAN-WHITE DOT
15	HEADLAMP SWITCH TO HEADLAMP DIMMER SWITCH	RED-YELLOW STRIPE	88	INSTRUMENT PANEL LAMP SWITCH FEED	BLACK-WHITE STRIPE
16	IGNITION SWITCH TO IGNITION COIL "BATT." TERMINAL	RED-LT GREEN STRIPE	89	GLOW PLUG TO GLOW PLUG SWITCH	ORANGE-LT GREEN STRIPE
17	LOW OIL PRESSURE WARNING LAMP TO LOW OIL PRESS. SENDING UNIT	WHITE BASE	102	OVERDRIVE KICKDOWN SWITCH TO OVERDRIVE GOVERNOR	WHITE BASE
18	SEAT SWITCH TO RELAY FIELD TERMINAL	ORANGE-YELLOW DOT	103	OVERDRIVE KICKDOWN SWITCH TO IGNITION COIL	WHITE-RED DOT
19	INSTRUMENT PANEL LAMPS FEED	LT BLUE-RED STRIPE	104	OVERDRIVE KICKDOWN SWITCH TO OVERDRIVE SOLENOID	LT BLUE-ORANGE STRIPE
20	DISTRIBUTOR ELECTRONIC CONTROL FEED	WHITE-LT BLUE HASH	105	OVERDRIVE KICKDOWN SWITCH TO OVERDRIVE RELAY	RED-YELLOW
21	EMA CONTROL TO SPARK RETARD SWITCH	DK BLUE-LT GREEN DOT	106	OVERDRIVE SOLENOID TO OVERDRIVE RELAY	LT BLUE BASE
22	BRAKE FEED	LT BLUE-BLACK STRIPE	111	WARNING LAMP TO LIGHTS ON RELAY	BLACK-YELLOW STRIPE
23	ANTI-THEFT SYSTEM SWITCH FEED	TAN-LT GREEN STRIPE	112	WARNING LAMP RELAY FEED	BLACK-YELLOW DOT
24	ANTI-THEFT SWITCH ARM	DK BLUE-ORANGE HASH	113	STARTING MOTOR TO STARTING MOTOR RELAY	YELLOW-LT BLUE DOT
25	ANTI-THEFT SWITCH DIS ARM	DK GREEN-PURPLE STRIPE	114	FEED TO VACUUM DOOR LOCK SWITCH	TAN-YELLOW HASH
26	DECK LID SWITCH TO ANTI-THEFT MODULE	WHITE-PURPLE DOT	115	VACUUM DOOR LOCK SWITCH TO SOLENOID (LOCK)	LT GREEN BASE
27	EMA CONTROL TO EGR SWITCH	ORANGE-LT GREEN DOT	116	VACUUM DOOR LOCK SWITCH TO SOLENOID (UNLOCK)	BROWN-ORANGE DOT
28	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	BLACK-PINK DOT	117	DOOR LOCK MOTOR (LOCK)	PINK-BLACK DOT
29	FUEL GAGE TO FUEL GAGE SENDER	YELLOW-WHITE STRIPE	118	DOOR LOCK MOTOR (UNLOCK)	PINK-ORANGE DOT
30	CONSTANT VOLTAGE UNIT AND INDICATOR LAMPS FEED	BLACK-LT GREEN STRIPE	119	DOOR LOCK SWITCH (LOCK)	PINK-YELLOW DOT
31	OIL PRESSURE INDICATOR TO OIL PRESSURE SENDING UNIT	WHITE-RED STRIPE	120	DOOR LOCK SWITCH (UNLOCK)	PINK-LT GREEN DOT
32	STARTER CONTROL	RED-LT BLUE STRIPE	122	TOP CONTROL SWITCH TO TOP CONT. MOTOR OR RELAY	YELLOW BASE
33	STARTER CONTROL TO INTERLOCK MODULE	WHITE-PINK DOT	123	TOP CONTROL SWITCH TO TOP CONT. MOTOR OR RELAY	RED BASE
35	ALTERNATOR REGULATOR "E" TERMINAL TO ALTERNATOR	ORANGE-LT BLUE STRIPE	125	MAP LAMP SWITCH TO RH MAP LAMP	BROWN-YELLOW STRIPE
36	ALTERNATOR OUTPUT	YELLOW-WHITE DOT	126	COURTESY LAMP SW. TO INSTR. PANEL COURTESY LAMP	BLACK-ORANGE DOT
37	BATTERY TO LOAD	YELLOW BASE	127	COURTESY LAMP SW. TO "C" PILLAR LAMPS	BLACK-LT BLUE DOT
38	POWER SUPPLY TO BATTERY	BLACK-ORANGE STRIPE	129	GLOW PLUG SWITCH FEED	LT GREEN BASE
39	TEMP. GAGE TO TEMP. SENDING UNIT	RED-WHITE STRIPE	131	CIGAR LIGHTER LAMP FEED	PURPLE-ORANGE STRIPE
40	CIGAR LIGHTER FEED	LT BLUE-WHITE STRIPE	133	RELAY TO MAP LAMP SWITCH	TAN-RED HASH
41	WARNING LAMP FEED	BLACK-LT BLUE HASH	137	RADIO ANTENNA SWITCH FEED	YELLOW-BLACK HASH
42	SWITCH TO WARNING LAMP	RED-WHITE DOT	138	DOOR JAMB SWITCH TO LIGHTS ON RELAY	BROWN-LT BLUE STRIPE
43	LOW AIR BUZZER FEED	ORANGE-LT BLUE HASH	140	BACK UP LAMP	BLACK-PINK STRIPE
44	TURN SIGNAL FLASHER TO TURN SIGNAL SWITCH	LT BLUE BASE	141	TWO OR THREE SPEED AXLE SWITCH TO TWO OR THREE SPEED AXLE MOTOR	BLACK-PINK DOT
45	HOT WATER TEMP. RELAY TO HOT WATER TEMP. SENDING UNIT	YELLOW-RED STRIPE	142	TWO OR THREE SPEED AXLE SWITCH FEED	DK GREEN-YELLOW HASH
48	BLIND CIRCUIT TERM IN HARNESS CANNOT BE CHECKED FOR CONT (COLOR OPT)		143	TWO OR THREE SPEED AXLE SWITCH TO TWO OR THREE SPEED AXLE MOTOR	RED BASE
51	SEAT REG. CONTROL SWITCH FEED	BLACK-WHITE DOT	144	AMPLIFIER TO SERVO TRANSDUCER FEED	ORANGE-YELLOW HASH
53	COURTESY LAMP SWITCH IN COURTESY LAMP	BLACK-LT BLUE STRIPE	145	SERVO SOURCE VACUUM SOLENOID TO CONTROL TRANSISTOR	GRAY-BLACK HASH
54	INTERIOR LAMP SWITCH FEED	LT GREEN-YELLOW STRIPE	146	SERVO VENT SOLENOID TO CONTROL TRANSISTOR	WHITE-PINK HASH
	CARGO LAMP SW. TO CARGO LAMP	BLACK-PINK STRIPE	147	AMPLIFIER FEEDBACK POTENTIOMETER FEED	PURPLE-LT BLUE HASH
	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	DK BLUE-ORANGE STRIPE	148	SERVO FEEDBACK POTENTIOMETER SIGNAL TO AMPLIFIER	YELLOW-RED HASH
		BLACK BASE	149	SERVO FEEDBACK POTENTIOMETER BASE TO AMPLIFIER	BROWN-LT GREEN HASH
		WHITE BASE	150	SENSOR SIGNAL TO AMPLIFIER	DK GREEN-WHITE STRIPE
		BLACK-LT GREEN DOT	151	SPEED CONTROL ON-OFF SWITCH TO AMPLIFIER	LT BLUE-BLACK HASH
		YELLOW-RED STRIPE			

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CAR STANDARD WIRE COLOR CODE CHART (CONTINUED)

CIRCUIT	DESCRIPTION	COLOR	CIRCUIT	DESCRIPTION	COLOR
153	STARTING MOTOR RELAY TO FLASHER	RED-WHITE STRIPE	298	FUSED ACCY FEED # 1	WHITE-PURPLE STRIPE
158	KEY WARNING SWITCH TO BUZZER	BLACK-PINK HASH	297	ACCY FEED FROM IGNITION SWITCH	BLACK-LT GREEN HASH
159	DOOR JAMB SWITCH TO BUZZER	RED-PINK STRIPE	298	FUSED ACCY FEED # 2	PURPLE-ORANGE HASH
160	BUZZER TO WARNING INDICATOR RELAY	WHITE-PINK STRIPE	306	SEAT REG. SW. TO HORIZ. SOLENOID BATT. TERM.	LT BLUE BASE
162	EMERG. BRAKE WARNING LAMP TO EMERG. BRAKE SWITCH	LT GREEN-RED DOT	307	SEAT REG. SW. TO VERT. SOLENOID BATT. TERM.	WHITE BASE
170	WINDOW REGULATOR SWITCH FEED	RED-LT BLUE DOT	313	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT FRONT WINDOW REGULATOR MOTOR	YELLOW-BLACK STRIPE
171	CIRCUIT BREAKER TO SEAT LATCH RELAY	BLACK-WHITE STRIPE	314	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT FRONT WINDOW REGULATOR MOTOR	RED-BLACK STRIPE
172	RELAY TO SEAT LATCH SOLENOID	ORANGE BASE	316	LEFT FRONT WINDOW REGULATOR SWITCH TO LEFT REAR WINDOW REGULATOR MOTOR	YELLOW-LT BLUE STRIPE
174	DOOR SWITCH TO SEAT LATCH RELAY (COIL TERM.)	PINK-WHITE STRIPE	317	LEFT FRONT WINDOW REGULATOR SWITCH TO LEFT REAR WINDOW REGULATOR MOTOR	RED-LT BLUE HASH
175	TOP CONTROL SWITCH OR RELAY FEED	BLACK-YELLOW DOT	319	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT REAR WINDOW REGULATOR MOTOR	YELLOW-BLACK HASH
176	REAR WINDOW REGULATOR SWITCH FEED	WHITE BASE	320	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT REAR WINDOW REGULATOR MOTOR	RED-BLACK HASH
179	HORIZONTAL SEAT REG. MOTOR TO RELAY	YELLOW BASE	328	WINDOW REG. MASTER CONT. SW. TO WINDOW REG. SW. FEED	RED-YELLOW DOT
180	HORIZONTAL SEAT REG. MOTOR TO RELAY	RED BASE	333	WINDOW REG. SW. TO WINDOW REG. MOTOR	YELLOW-RED STRIPE
181	BLOWER MOTOR FEED	BROWN-ORANGE STRIPE	334	WINDOW REG. SW. TO WINDOW REG. MOTOR	RED-YELLOW STRIPE
182	THERMOSTAT SWITCH FEED	BROWN-WHITE STRIPE	347	COMPRESSOR CLUTCH FEED	BLACK-YELLOW HASH
184	AIR COND. SW. (LO) TO AIR COND. BLOWER MOTOR	TAN-ORANGE HASH	348	THERMOSTATIC SW. TO AIR COND. SW. SELECTOR TERM.	LT GREEN-PURPLE HASH
186	DEFOGGER SW. TO DEFOGGER MOTOR	BROWN-LT BLUE HASH	364	BLOWER MOTOR RELAY FEED	BLACK-LT GREEN STRIPE
188	CIRCUIT BREAKER TO HEADLAMP SW. "BATT." TERM.	BLACK BASE	365	FUEL LEVEL WARNING RELAY FEED	LT BLUE-RED HASH
191	DEFOGGER SW. TO DEFOGGER MOTOR	DK BLUE-YELLOW STRIPE	366	FUEL WARNING RELAY CONTROL	RED-BLACK HASH
193	WINDOW REGULATOR RELAY FEED	YELLOW-LT GREEN HASH	367	FUEL LEVER RECEIVER TO FUEL LEVER WARNING RELAY (REG. TERM.)	DK GREEN-WHITE DOT
194	WINDOW REGULATOR RELAY ACCY FEED	PINK BASE	369	VACUUM SOLENOID TO TEMP. SW.	BROWN-ORANGE HASH
196	COOLANT FAN CONTROL RELAY FEED	TAN-RED DOT	371	BLOWER MOTOR RELAY TO MOTOR	PINK-WHITE HASH
197	COOLANT TEMPERATURE SWITCH TO CONTROL RELAY	TAN-ORANGE DOT	375	MOVABLE STEERING COLUMN SOLENOID FEED	YELLOW-LT GREEN DOT
198	A/C PRESSURE SWITCH TO CONTROL RELAY	TAN-YELLOW DOT	379	TURN SIGNAL SWITCH TO RH CORNERING LAMP	BROWN-WHITE HASH
199	CONTROL RELAY TO IGNITION RELAY	TAN-LT GREEN DOT	380	TURN SIGNAL SWITCH TO RH CORNERING LAMP	PURPLE-YELLOW STRIPE
200	IGNITION RELAY TO COOLANT FAN	TAN-LT BLUE DOT	381	MOVABLE STEERING COLUMN SOLENOID TO COURTESY LAMP SWITCH	ORANGE-WHITE STRIPE
206	GROUND RETURN TO TOWING VEHICLE	WHITE BASE	383	EMERGENCY WARNING FLASHER FEED	RED-WHITE HASH
207	MARKER LAMP SWITCH TO MARKER LAMPS	BLACK BASE	385	FLASHER TO EMERGENCY WARNING SWITCH	WHITE-RED HASH
212	AUXILIARY CIRCUIT FEED TO TRACTOR TRAILER PLUG	DK BLUE GASE	387	READING LAMP SWITCH TO READING LAMP (LH)	LT GREEN BASE
215	SIGNAL UNIT LAMP TO FUEL SIGNAL RELAY	YELLOW-BLACK DOT	399	HEATER BLOWER SWITCH FEED	BROWN-YELLOW STRIPE
226	LF WINDOW REG. SW. TO LF WINDOW REG. MOTOR	RED BASE	400	SAFETY RELAY LOAD TERM. TO WIND. REG. SW. FEED	LT BLUE-BLACK DOT
227	LF WINDOW REG. SW. TO LF WINDOW REG. MOTOR	YELLOW BASE	401	LIMIT SW. TO BACK WINDOW REG. MOTOR	GRAY-BLACK STRIPE
241	DE-ICE SOLENOID CONTROL	LT BLUE-YELLOW STRIPE	402	WINDOW REG. SW. TO BACK WINDOW REG. MOTOR	GRAY-RED STRIPE
243	POWER SERVO TO CLIMATE CONTROL UNIT (MODE)	LT GREEN-ORANGE HASH	403	WINDOW REG. SW. TO WIND. REG. MOTOR	GRAY-WHITE STRIPE
244	THERMAL SW. TO CLIMATE CONTROL UNIT	YELLOW-WHITE HASH	404	WINDOW REG. SW. TO BACK WIND. SW.	PURPLE-LT GREEN STRIPE
245	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)	BROWN-LT GREEN STRIPE	405	WINDOW REG. SW. TO BACK WIND. SW.	PURPLE-LT BLUE STRIPE
246	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)	PURPLE BASE	406	WINDOW REG. SW. TO BACK WIND. AUX. SW.	TAN BASE
247	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)	WHITE-YELLOW STRIPE	407	WINDOW REG. SW. REAR TO LIMIT SW.	TAN-BLACK STRIPE
248	HEATER & A/C CONTROL SW. (DE-ICE) TO CLIMATE CONTROL UNIT	YELLOW-LT BLUE HASH	408	WINDOW REG. SW. FRONT TO LIMIT SW.	TAN-RED STRIPE
249	HEATER & A/C CONTROL SW. (LO-NORM) TO CLIMATE CONTROL UNIT	DK BLUE-LT GREEN STRIPE	409	PRESSURE SWITCH TO KEY SWITCH	TAN-BLACK DOT
250	HEATER & A/C CONTROL SW. (LO-NORM) TO POWER SERVO	ORANGE BASE	442	SEQUENTIAL LH REAR INBOARD TURN SIGNAL LAMP	LT GREEN-ORANGE STRIPE
253	INTERMEDIATE TERM. 3 SPEED AXLE SWITCH TO SOLENOID VALVE FORWARD TANDEM	RED BASE	443	SEQUENTIAL LH REAR CENTER TURN SIGNAL LAMP	LT GREEN-RED STRIPE
254	HIGH TERMINAL 3 SPEED AXLE SWITCH TO SOLENOID VALVE REAR TANDEM	BLACK BASE	444	SEQUENTIAL LH REAR OUTBOARD TURN SIGNAL LAMP	LT GREEN-BLACK STRIPE
255	AXLE LOCKOUT DIFFERENTIAL SWITCH FEED	LT BLUE-RED HASH	445	SEQUENTIAL RH REAR INBOARD TURN SIGNAL LAMP	ORANGE-LT BLUE STRIPE
260	BLOWER MOTOR TO SWITCH - LO	RED-ORANGE HASH	446	SEQUENTIAL RH REAR CENTER TURN SIGNAL LAMP	ORANGE-WHITE STRIPE
261	BLOWER MOTOR TO SWITCH - HI	ORANGE-BLACK STRIPE	447	SEQUENTIAL RH REAR OUTBOARD TURN SIGNAL LAMP	ORANGE-RED STRIPE
262	STARTING MOTOR RELAY TO IGNITION COIL "I" TERM.	BROWN-PINK STRIPE	450	SEAT BELT WARNING INDICATOR LAMP FEED	DK GREEN-LT GREEN STRIPE
263	STARTING MOTOR RELAY TO IGNITION COIL "I" TERM.	LT BLUE-ORANGE HASH	454	IGN. SW. COIL TERM. TO CIRCUIT BREAKER	RED-LT GREEN STRIPE
264	STARTING MOTOR RELAY TO IGNITION COIL "I" TERM.	DK GREEN BASE			
265	STARTING MOTOR RELAY TO IGNITION COIL "I" TERM.	YELLOW-BLACK STRIPE			
266	STARTING MOTOR RELAY TO IGNITION COIL "I" TERM.	RED BASE			
267	STARTING MOTOR RELAY TO IGNITION COIL "I" TERM.	BLACK-WHITE HASH			

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CAR STANDARD WIRE COLOR CODE CHART (CONTINUED)

CIRCUIT	DESCRIPTION	COLOR	CIRCUIT	DESCRIPTION	COLOR
455	CIRCUIT BREAKER TO FUEL VALVE	LT GREEN-YELLOW HASH	648	TACHOMETER FEED	RED-LT BLUE DOT
458	TURN SIGNAL SWITCH TO INDICATOR RELAY	ORANGE-BLACK HASH	654	ALT. SHUNT TO AMMETER	YELLOW-LT GREEN STRIPE
459	INDICATOR RELAY TO FLASHER	ORANGE-LT GREEN STRIPE	655	STARTING MOTOR RELAY SHUNT TO AMMETER	RED-ORANGE STRIPE
460	HORN SWITCH FEED	YELLOW-LT BLUE DOT	660	AIR COND. CONTROL SW. TO FRESH-AIR RECIRC. DOOR SOLENOID	YELLOW-LT GREEN DOT
469	SEAT BELT WARNING SWITCH FEED	LT GREEN BASE	671	SPEED REG. SW. "ON" POSITION TO ON & OFF RELAY	WHITE BASE
474	STOPLAMP RELAY FEED	PINK-BLACK STRIPE	672	SELECTOR SW. TO LEFT HAND PUMP MOTOR	BROWN-WHITE HASH
475	STOPLAMP SW. TO STOPLAMP RELAY (COIL TERM)	DK GREEN-WHITE HASH	673	SELECTOR SW. TO LEFT FUEL GAGE	LT GREEN BASE
476	FOG LAMP SW. TO FOG LAMP	TAN-ORANGE STRIPE	674	SELECTOR SW. TO RIGHT HAND PUMP MOTOR	BROWN-WHITE STRIPE
485	IGNITION SWITCH ACCY. TERM. TO DECK LID OPEN WARNING LAMP	BROWN-PINK HASH	675	SELECTOR SW. TO RIGHT FUEL GAGE	LT GREEN-RED STRIPE
486	DECK LID OPEN WARNING LAMP TO DECK LID OPEN SWITCH	BROWN-WHITE DOT	683	HI/LO SW. "R" TERM. TO TRACTOR-TRAILER RELAY "F" TERM.	BROWN-PINK DOT
487	READING LAMP SWITCH TO READING LAMP	PINK-ORANGE STRIPE	684	TRACTOR-TRAILER RELAY "A" TERM. TO MARKER LAMP SW.	BLACK-WHITE STRIPE
494	TURN SIGNAL RELAY TO TURN SIGNAL FLASHER	TAN-LT GREEN HASH	686	HEADLAMP TIME DELAY CONTROL RELAY TO CIR. BREAKER	GRAY-ORANGE STRIPE
500	HEADLAMP DIMMER SWITCH TO HEADLAMP DIMMER RELAY	PURPLE BASE	687	ACCY FEED	GRAY-YELLOW STRIPE
502	HEADLAMP DIMMER RELAY TO HEADLAMP DIMMER SWITCH	GRAY BASE	688	HYD BACKLITE SW. TO TIME DELAY RELAY	GRAY-LT BLUE STRIPE
503	HEADLAMP DIMMER RELAY TO FUSE HOLDER	LT BLUE BASE	697	SPEED REG. SW. "OFF" POSITION TO ON & OFF RELAY	ORANGE-BLACK STRIPE
504	FUSE HOLDER TO HEADLAMP DIMMER AMPLIFIER	DK BLUE-WHITE HASH	743	ANTENNA SWITCH TO POWER ANTENNA (UP)	RED-PINK HASH
505	HEADLAMP DIMMER SWITCH TO HEADLAMP DIMMER AMPLIFIER	BLACK BASE	746	ANTENNA SWITCH TO POWER ANTENNA (DOWN)	DK GREEN-YELLOW STRIPE
507	AMPLIFIER TO RHEOSTAT	YELLOW BASE	751	BLOWER MOTOR SPEED CONTROLLER TO RESISTOR # 3 (MED.)	DK BLUE-WHITE HASH
508	RHEOSTAT TO SENSOR	WHITE BASE	752	BLOWER MOTOR SPEED CONTROLLER TO RESISTOR # 2 (MED.)	YELLOW-RED DOT
509	AIR COND. CONDENSOR THERMAL SWITCH FEED	TAN-YELLOW STRIPE	753	HEATER & A/C CONTROL SW. TO BLOWER RELAY SW.	YELLOW-RED STRIPE
511	STOPLAMP SWITCH TO TURN SIGNAL SWITCH	LT GREEN BASE	754	BLOWER MOTOR SPEED CONTROLLER TO RESISTOR # 1 (MED.)	LT GREEN-WHITE HASH
515	RESISTOR TO BLOWER MOTOR (HI)	ORANGE-RED STRIPE	755	BLOWER MOTOR SWITCH RELAY TO RESISTOR (LOW SPEED)	BROWN-WHITE STRIPE
517	CIRCUIT BREAKER (LOAD TERM) TO CONTROL SWITCH (BATT. TERM)	BLACK-WHITE STRIPE	756	HEATER & A/C CONTROL SW. (HI-NORM) TO RESISTOR (LOW RANGE)	RED-PINK DOT
519	GLOW PLUG SW. TO LAMP (FEED)	WHITE BASE	757	HEATER & A/C CONTROL SW. (HI-NORM) TO BLOWER MOTOR SW. RELAY	RED-WHITE STRIPE
520	SEAT BELT WARNING LAMP TO WARNING LAMP SWITCH	PURPLE-WHITE HASH	758	HEATER & A/C CONTROL SW. (LO-NORM) TO RESISTOR (LOW RANGE)	PURPLE-WHITE DOT
526	CIRCUIT BREAKER TO MARKER LAMP SW. FEED	BLACK-WHITE STRIPE	761	BLOWER MOTOR RELAY TO ENG. WATER TEMP. SWITCH (COLD)	WHITE-LT GREEN STRIPE
527	HEADLAMP DIMMER SWITCH OVERRIDE TO RHEOSTAT	RED BASE	765	HEATER & A/C CONTROL SW. TO REHEAT & A/C FEED	LT GREEN-YELLOW HASH
536	BLOWER MOTOR RELAY (LOAD TERM) TO BLOWER MOTOR	BLACK-LT GREEN DOT	766	HEATER & A/C CONTROL SW. (DE-ICE) TO INLET AIR CONTROL SOLENOID	RED-LT GREEN DOT
558	ALTERNATOR RELAY TO ALTERNATOR REGULATOR	LT GREEN BASE	767	AMBIENT SENSOR TO INST. PANEL THERMISTOR	LT BLUE-ORANGE STRIPE
587	WINDSHIELD WIPER INTERMITTENT GOVERNOR FEED	BLACK-WHITE HASH	768	REFERENCE SENSOR TO HEAT DUCT THERMISTOR	LT GREEN-YELLOW HASH
589	WINDSHIELD WIPER SWITCH TO INTERMITTER GOVERNOR GROUND	ORANGE BASE	769	HEATER & A/C CONTROL SW. (HI & LO NORM) TO BLOWER HEATER SW. RELAY	LT BLUE-YELLOW HASH
590	INTERMITTENT GOVERNOR TO W/S WIPER SWITCH	DK BLUE-WHITE STRIPE	773	HEATER & A/C CONTROL SW. (TEMP. SELECTOR) TO REHEAT AMPL.	DK GREEN-ORANGE HASH
591	STOPLAMP SW. TO SPEED CONTROL RELAY	BLACK-ORANGE STRIPE	775	HEATER & A/C CONTROL SW. (DEFOG) TO DEFROST CONT. SOLENOID	WHITE-PINK STRIPE
592	STOPLAMP SW. TO SPEED CONTROL RELAY	LT BLUE-WHITE HASH	776	CLIMATE CONTROL BOX TO HIGH BLOWER RELAY	ORANGE-BLACK DOT
593	SPEED CONTROL ACTUATOR TO CUTOUT RELAY	YELLOW BASE	780	ENGINE ALARM RELAY (OIL PRESS.) "F" TERM. TO "A" TERM. IGNITION SW.	RED BASE
596	PRIMER SW. TO OIL PRESSURE SAFETY SWITCH	BLACK-ORANGE DOT	787	FUEL PUMP SAFETY SWITCH TO FUEL PUMP MOTOR	PINK-BLACK HASH
597	COIL TERM. OF IGN. SW. TO OIL PRESSURE SAFETY SWITCH	RED BASE	788	REHEAT AMPLIFIER TO HEAT DUCT THERMISTOR	RED-ORANGE DOT
598	COIL TERM. OF IGN. SW. TO FUEL PUMP PRIMER SWITCH	PINK-YELLOW STRIPE	790	HEATER & A/C CONTROL SW. TO INST. PANEL THERMISTOR	WHITE-ORANGE STRIPE
600	FEED TO FAILURE SWITCH	DK BLUE BASE	797	BATTERY FEED TO STEREO	LT GREEN-PURPLE STRIPE
601	BRAKE SKID CONTROL MODULE FEED	LT BLUE-PINK STRIPE	804	SPEAKER VOICE COIL FEED-FRONT (LEFT CHANNEL)	ORANGE-LT GREEN HASH
602	COIL TERM. OF IGN. SW. TO BRAKE SKID CONTROL MODULE	RED-LT GREEN HASH	805	SPEAKER VOICE COIL FEED-FRONT (RIGHT CHANNEL)	WHITE-LT GREEN HASH
603	FAILURE WARNING LIGHT	DK GREEN BASE	806	SPEAKER VOICE COIL FEED-REAR (RIGHT CHANNEL)	PINK-LT BLUE STRIPE
604	SKID CONTROL MODULE TO RH WHEEL SENSOR HI	ORANGE-RED HASH	807	SPEAKER VOICE COIL FEED-REAR (LEFT CHANNEL)	PINK-LT GREEN STRIPE
605	SOLENOID	RED BASE	808	SELECTOR SWITCH TO FUEL TANK SOLENOID VALVE	BROWN-ORANGE STRIPE
626	OPEN DOOR WARNING LAMP FEED	PINK-YELLOW HASH	810	STOPLAMP SW. TO STOPLAMP	RED-LT GREEN HASH
627	OPEN DOOR WARNING LAMP TO OPEN DOOR WARNING SWITCH	BLACK-ORANGE HASH	817	INDICATOR RELAY TO RH TURN LAMP	TAN-LT BLUE HASH
637	IGN. SW. COIL TERM. TO OIL TEMP. WARNING LAMP SW. TO OIL TEMP. WARNING RELAY	BLACK BASE			
	TEMP. WARNING RELAY TO OIL TEMP. WARNING LAMP	RED BASE			
	TEMP. SW. (COLD)	LT BLUE BASE			
	TEMP. SW. (HOT)	LT GREEN BASE			
		RED-YELLOW HASH			
		WHITE-LT GREEN STRIPE			
		RED-BLACK DOT			

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CAR STANDARD WIRE COLOR CODE CHART (CONTINUED)

CIRCUIT	DESCRIPTION	COLOR	CIRCUIT	DESCRIPTION	COLOR
818	INDICATOR RELAY TO LH TURN LAMP	TAN-WHITE HASH	933	ESC SWITCH TO ESC VALVE CONTROL	LT GREEN-BLACK HASH
822	SPEAKER VOICE COIL FEED	BLACK-LT GREEN DOT	934	EMISSION SPEED SENSOR TO MODULATOR CONTROL	TAN-WHITE STRIPE
823	RADIO TO FADER CONTROL	LT GREEN BASE	939	MODULATOR TO THERMO. SWITCH	TAN-BLACK HASH
848	BALLAST RESISTOR "E" TERM. TO TRANSISTOR UNIT "E" TERM.	RED-ORANGE DOT	941	WASHER PUMP MOTOR FEED	BLACK-WHITE STRIPE
850	BALLAST RESISTOR COIL TERM. TO IGNITION COIL BATT. TERM.	LT BLUE-WHITE DOT	943	TRACTOR TRAILER RELAY "B" FEED	DK GREEN-PURPLE HASH
851	TRANSISTOR UNIT "B" TERM. TO DISTRIBUTOR	LT GREEN BASE	946	REAR WASHER PUMP FEED	PURPLE-LT GREEN HASH
852	TRANSISTOR UNIT "C" TERM. TO BALLAST RESISTOR "C" TERM.	LT BLUE-PINK HASH	950	WASHER CONTROL SWITCH FEED	WHITE-BLACK STRIPE
853	COIL TERM. IGN. SW. TO BALLAST RESISTOR "E" TERM.	RED-ORANGE HASH	955	W/S WIPER MOTOR ARM RH TO W/S WIPER SWITCH	RED-ORANGE STRIPE
854	C.S. RELAY TO STARTER SOLENOID "I" TERM.	BROWN-YELLOW HASH	956	W/S WIPER SWITCH TO W/S WIPER MOTOR FIELD RH	LT GREEN-ORANGE STRIPE
858	MAKE READY SWITCH TO BRAKE PEDAL PAD SWITCH	PINK-ORANGE HASH	960	AUX. HEATER FEED TO SWITCH	RED-YELLOW DOT
859	BRAKE PEDAL PAD SWITCH TO CONTROL RELAY TERM. # 4	YELLOW BASE	962	DIFF. TEMP. SWITCH TO FRONT DIFF.	RED-LT GREEN DOT
860	MAKE READY SWITCH TO SET SPEED SWITCH	PURPLE-WHITE STRIPE	963	DIFF. TEMP. TO REAR DIFF.	DK GREEN-LT GREEN HASH
861	RETARD SWITCH TO CONTROL RELAY TERM. # 7	LT BLUE-WHITE STRIPE	975	TRANSMISSION TEMPERATURE LAMP INDICATOR FEED	RED-BLACK HASH
863	BRAKE SWITCH TO HOLDING RELAY	BLACK-YELLOW STRIPE	976	FUSE PANEL TO FUEL GAGE INDICATOR	BLACK-LT GREEN DOT
869	RETARD VALVE TO CONTROL RELAY TERM. # 1	LT GREEN-YELLOW STRIPE	977	BRAKE WARNING SWITCH TO INDICATOR LAMP	PURPLE-WHITE STRIPE
870	EMERGENCY STOP LAMP SWITCH TO TRACTOR-TRAILER PLUG	RED BASE	978	SEAT REGULATOR SWITCH TO FRONT MOTOR (LH)	YELLOW-LT BLUE STRIPE
883	AIR COND CONTROL RELAY FEED	PINK-LT BLUE HASH	979	SEAT REGULATOR SWITCH TO FRONT MOTOR (LH)	RED-LT BLUE STRIPE
904	(COIL) OR (ACCY) TERM. OF IGNITION SW. TO ALTERNATOR REGULATOR (IGN. TERM.)	LT GREEN-RED STRIPE	980	SEAT REGULATOR SWITCH TO HORZ. MOTOR (LH)	YELLOW-WHITE STRIPE
914	SPEED REGULATOR SWITCH FEED	DK GREEN-ORANGE STRIPE	981	SEAT REGULATOR SWITCH TO HORZ. MOTOR (RH)	RED-WHITE STRIPE
917	VENT SWITCH TO BLOWER MOTOR LO	PINK-LT GREEN HASH	982	SEAT REGULATOR SWITCH TO REAR MOTOR (LH)	YELLOW-LT GREEN STRIPE
920	BRAKE SWITCH TO SPEED CONTROL REG.	WHITE-YELLOW HASH	983	SEAT REGULATOR SWITCH TO REAR MOTOR (RH)	RED-LT GREEN STRIPE
923	SPEED CONTROL SWITCH TO SPEED REG. SOLENOID	PURPLE BASE	984	SEAT REGULATOR SWITCH TO FRONT MOTOR (RH)	YELLOW-LT BLUE DOT
924	HOLDING RELAY TO SPEED CONTROL SWITCH FEED	RED BASE	985	SEAT REGULATOR SWITCH TO FRONT MOTOR (RH)	RED-LT BLUE DOT
925	SPEED CONTROL SWITCH TO SPEED REG. COUPLING COIL	WHITE-ORANGE STRIPE	986	SEAT REGULATOR SWITCH TO HORZ. MOTOR (RH)	YELLOW-WHITE DOT
			987	SEAT REGULATOR SWITCH TO HORZ. MOTOR (RH)	RED-WHITE DOT
			988	SEAT REGULATOR SWITCH TO REAR MOTOR (RH)	YELLOW-LT GREEN DOT
			989	SEAT REGULATOR SWITCH TO REAR MOTOR (RH)	RED-LT GREEN DOT
			990	SEAT REGULATOR SWITCH TO FRONT MOTOR (LH)	YELLOW-LT BLUE HASH
			993	INTERMITTENT GOVERNOR TO WINDSHIELD WIPER SWITCH	BROWN-WHITE STRIPE



CAR STANDARD COLOR CODE CHART (BY COLOR)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
				48	BLIND CIRCUIT TERM IN HARNESS CANNOT BE CHECKED FOR CONT (COLOR OPT)
BLACK				57	GROUND CIRCUIT
BLACK				188	CIRCUIT BKR. TO HEADLAMP SW. BATT. TERM.
BLACK				207	MARKER LAMP SWITCH TO MARKER LAMPS
BLACK				254	HIGH TERMINAL 3 SPEED AXLE SWITCH TO SOLENOID VALVE REAR TANDEM
BLACK				505	HEADLAMP DIMMER SWITCH TO HEADLAMP DIMMER AMPLIFIER
BLACK				632	IGN. SW. COIL TERM. TO OIL TEMP. WARNING LAMP
BLACK	LT BLUE			53	COURTESY LAMP SWITCH TO COURTESY LAMP
BLACK	LT GREEN			30	CONSTANT VOLTAGE UNIT AND INDICATOR LAMPS FEED
BLACK	LT GREEN			364	BLOWER MOTOR RELAY FEED
BLACK	ORANGE			38	POWER SUPPLY TO BATTERY
BLACK	ORANGE			591	SPEED CONTROL RELAY TO SPEED REGULATOR
BLACK	PINK			55	CARGO LAMP SW. TO CARGO LAMP
BLACK	PINK			140	BACK UP LAMP
BLACK	WHITE			88	INSTUMENT PANEL LAMP SWITCH FEED
BLACK	WHITE			171	CIRCUIT BREAKER TO SEAT LATCH RELAY
BLACK	WHITE			517	CIRCUIT BREAKER (LOAD TERM) TO CONTROL SW. (BATT. TERM)
BLACK	WHITE			526	CIRCUIT BREAKER TO MARKER LAMP SW. FEED
BLACK	WHITE			684	TRACTOR-TRAILER RELAY A TERM. TO MARKER LAMP SW.
BLACK	WHITE			941	WASHER PUMP MOTOR FEED
BLACK	YELLOW			111	WARNING LAMP TO LIGHTS ON RELAY
BLACK	YELLOW			863	BRAKE SWITCH TO HOLDING RELAY
BLACK		LT BLUE		41	WARNING LAMP FEED
BLACK		LT GREEN		297	ACCY. FEED FROM IGNITION SWITCH
				627	OPEN DOOR WARNING LAMP TO OPEN DOOR WARNING SWITCH
				158	KEY WARNING SWITCH TO BUZZER
				287	SPEAKER VOICE COIL RETURN



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
BLACK		WHITE		587	WINDSHIELD WIPER INTERMITTENT GOVERNOR FEED
BLACK		YELLOW		347	COMPRESSOR CLUTCH FEED
BLACK			LT BLUE	127	COURTESY LAMP SW. TO C PILLAR LAMPS
BLACK			LT GREEN	60	CONSTANT VOLTAGE UNIT TO GAGE
BLACK			LT GREEN	536	BLOWER MOTOR RELAY (LOAD TERM) TO BLOWER MOTOR
BLACK			LT GREEN	822	SPEAKER VOICE COIL FEED
BLACK			LT GREEN	976	FUSE PANEL TO FUEL GAGE INDICATOR
BLACK			ORANGE	80	ENGINE COMPARTMENT LAMP FEED
BLACK			ORANGE	126	COURTESY LAMP SW. TO INSTR. PANEL COURTESY LAMP
BLACK			ORANGE	596	PRIMER SW. TO OIL PRESSURE SAFETY SWITCH
BLACK			PINK	28	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR
BLACK			PINK	141	TWO OR THREE SPEED AXLE SWITCH TO TWO OR THREE SPEED AXLE MOTOR
BLACK			WHITE	51	SEAT REG. CONTROL SWITCH FEED
BLACK			YELLOW	112	WARNING LAMP RELAY FEED
BLACK			YELLOW	175	TOP CONTROL SWITCH OR RELAY FEED
DK BLUE				1	HORN SWITCH CONTROL
DK BLUE				212	AUXILIARY CIRCUIT FEED TO TRACTOR TRAILER PLUG
DK BLUE				600	FEED TO FAILURE SWITCH
DK BLUE	LT GREEN			249	HEATER & A/C CONTROL SW. (LD-NORM) TO CLIMATE CONTROL UNIT
DK BLUE	ORANGE			56	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR
DK BLUE	WHITE			590	INTERMITTENT GOVERNOR TO W/S WIPER SWITCH
DK BLUE	YELLOW			191	DEFOGGER SW. TO DEFOGGER MOTOR
DK BLUE		ORANGE		24	ANTI THEFT SWITCH ARM
DK BLUE		WHITE		504	FUSE HOLDER TO HEADLAMP DIMMER AMPLIFIER
				751	BLOWER MOTOR SPEED CONTROLLER TO RESISTOR #3 (MED.)
			LT GREEN	21	EMA CONTROL TO SPARK RETARD SWITCH
			WHITE	86	SEAT BELT WARNING TIMER TO R.F. SEAT SENSOR



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
DK BLUE			YELLOW	83	INTERLOCK MODULE TO CENTER BUCKLE SWITCH
LT BLUE				44	TURN SIGNAL FLASHER TO TURN SIGNAL SWITCH
LT BLUE				66	AIR SHIFT SWITCH TO INDICATOR LAMP1
LT BLUE				106	OVERDRIVE SOLENOID TO OVERDRIVE RELAY
LT BLUE				503	HEADLAMP DIMMER RELAY TO FUSE HOLDER
LT BLUE				634	OIL TEMP. WARNING RELAY TO OIL TEMP. WARNING LAMP
LT BLUE	BLACK			22	BRAKE FEED
LT BLUE	ORANGE			104	OVERDRIVE KICKDOWN SW. TO OVERDRIVE SOLENOID
LT BLUE	ORANGE			767	AMBIENT SENSOR TO INST. PANEL THERMISTOR
LT BLUE	PINK			601	BRAKE SKID CONTROL MODULE FEED
LT BLUE	RED			19	INSTRUMENT PANEL LAMPS FEED
LT BLUE	WHITE			40	CIGAR LIGHTER FEED
LT BLUE	WHITE			861	RETARD SWITCH TO CONTROL RELAY TERM. #7
LT BLUE	YELLOW			241	DE-ICE SOLENOID CONTROL
LT BLUE		BLACK		151	SPEED CONTROL ON-OFF SWITCH TO AMPLIFIER
LT BLUE		ORANGE		269	HEATER BLOWER MOTOR TO SWITCH (MEDIUM)
LT BLUE		PINK		852	TRANSISTOR UNIT C TERM. TO BALLAST RESISTOR C TERM.
LT BLUE		RED		255	AXLE LOCKOUT DIFFERENTIAL SWITCH FEED
LT BLUE		RED		365	FUEL LEVEL WARNING RELAY FEED
LT BLUE		WHITE		592	STOPLAMP SW. TO SPEED CONTROL RELAY
LT BLUE		YELLOW		769	HEATER & A/C CONTROL SW. (HI & LO NORM) TO BLOWER MTR. SW. RELAY
LT BLUE			BLACK	400	SAFETY RELAY LOAD TERM. TO WIND. REG. SW. FEED
LT BLUE			WHITE	850	BALLAST RESISTOR COIL TERM. TO IGN. COIL BATT. TERM.
				14	HEADLAMP SWITCH TO TAIL LAMPS AND SIDE MARKER LAMPS
				138	DOOR JAMB SWITCH TO LIGHTS ON RELAY
				186	DEFOGGER SW. TO DEFOGGER MOTOR
				245	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
BROWN	ORANGE			181	BLOWER MOTOR FEED
BROWN	ORANGE			369	VACUUM SOLENOID TO TEMP. SW.
BROWN	ORANGE			808	SELECTOR SWITCH TO FUEL TANK SOLENOID VALVE
BROWN	PINK			262	STARTING MOTOR RELAY TO IGN. COIL 1 TERM.
BROWN	WHITE			182	THERMOSTAT SWITCH FEED
BROWN	WHITE			379	TURN SIGNAL SWITCH TO RH CORNERING LAMP
BROWN	WHITE			674	SELECTOR SW. TO RIGHT HAND PUMP MOTOR
BROWN	WHITE			755	BLOWER MOTOR SWITCH RELAY TO RESISTOR (LOW SPEED)
BROWN	WHITE			993	INTERMITTENT GOVERNOR TO WINDSHIELD WIPER SWITCH
BROWN	YELLOW			125	MAP LAMP SWITCH TO RH MAP LAMP
BROWN	YELLOW			399	HEATER BLOWER SWITCH FEED
BROWN		LT GREEN		149	SERVO FEEDBACK POTENTIOMETER BASE TO AMPLIFIER
BROWN		PINK		485	IGNITION SWITCH ACCY. TERM. TO DECK LID OPEN WARNING LAMP
BROWN		WHITE		672	SELECTOR SW. TO LEFT HAND PUMP MOTOR
BROWN		YELLOW		854	C.S. RELAY TO STARTER SOLENOID 1 TERM.
BROWN			LT BLUE	85	SEAT BELT WARNING TIMER TO L.F. RETRACTOR SWITCH
BROWN			ORANGE	116	VACUUM DOOR LOCK SWITCH TO SOLENOID (UNLOCK)
BROWN			PINK	683	M/I SW. R TERM. TO TRACTOR-TRAILER RELAY F TERM.
BROWN			WHITE	486	DECK LID OPEN WARNING LAMP TO DECK LID OPEN SWITCH
BROWN			YELLOW	81	EMISSION CONTROL VALVE TO SWITCH
GRAY				502	HEADLAMP DIMMER RELAY TO HEADLAMP DIMMER SWITCH
GRAY	BLACK			401	LIMIT SW. TO BACK WINDOW REG. MOTOR
GRAY	LT BLUE			688	HTO BACKLITE SW TO TIME DELAY RELAY
GRAY	ORANGE			686	HEAD LP TIME DELAY CONTROL RELAY TO CIR. BREAKER
				402	WINDOW REG. SW TO BACK WINDOW REG MOTOR
				403	WINDOW REG. SW. TO WIND. REG. MOTOR
				687	ACC FEED



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
GRAY		BLACK		145	SERVO SOURCE VACUUM SOLENOID TO CONTROL TRANSISTOR
DK GREEN				65	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR
DK GREEN				282	TURN SIGNAL SW. TO RH REAR TURN SIGNAL LAMP
DK GREEN				603	FAILURE WARNING LITE
DK GREEN	LT GREEN			450	SEAT BELT WARNING INDICATOR LAMP FEED
DK GREEN	ORANGE			914	SPEED REGULATOR SWITCH FEED
DK GREEN	PURPLE			25	ANTI THEFT SWITCH DIS ARM
DK GREEN	WHITE			150	SENSOR SIGNAL TO AMPLIFIER
DK GREEN	YELLOW			746	ANTENNA SWITCH TO POWER ANTENNA (DOWN)
DK GREEN		LT GREEN		963	DIFF. TEMP. TO REAR DIFFERENTIAL
DK GREEN		ORANGE		773	HEATER & A/C CONTROL SW. (TEMP. SELECTOR) TO REHEAT AMPL.
DK GREEN		PURPLE		943	TRACTOR TRAILER RELAY B FEED
DK GREEN		WHITE		475	STOPLAMP SW. TO STOPLAMP RELAY (COIL TERM)
DK GREEN		YELLOW		142	TWO OR THREE SPEED AXLE SWITCH FEED
DK GREEN			WHITE	367	FUEL LEVEL RECEIVER TO FUEL LEVEL WARNING RELAY (REC. TERM)
DK GREEN			YELLOW	11	ELECTRONIC SWITCH TO IGNITION COIL NEG TERMINAL
LT GREEN				74	RELAY B TERMINAL TO LAMP (WATER)
LT GREEN				115	VACUUM DOOR LOCK SWITCH TO SOLENOID (LOCK)
LT GREEN				129	GLOW PLUG SWITCH FEED
LT GREEN				387	READING LAMP SWITCH TO READING LAMP (LH)
LT GREEN				469	SEAT BELT WARNING SWITCH FEED
LT GREEN				511	STOPLAMP SW. TO TURN SIGNAL SW.
LT GREEN				568	ALTERNATOR RELAY TO ALTERNATOR REGULATOR
LT GREEN				635	OIL TEMP. WARNING LAMP TO OIL TEMP. WARNING SWITCH
LT GREEN				673	SELECTOR SW. TO LEFT FUEL GAGE
LT GREEN				823	RADIO TO FADER CONTROL
LT GREEN				851	TRANSISTOR UNIT B TERM. TO DISTRIBUTOR



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
LT GREEN	BLACK			12	HEADLAMP DIMMER SWITCH TO HIGH BEAMS
LT GREEN	BLACK			444	SEQUENTIAL LH REAR OUTBOARD TURN SIGNAL LAMP
LT GREEN	ORANGE			9	LH REAR TURN SIGNAL LAMP
LT GREEN	ORANGE			442	SEQUENTIAL LH REAR INBOARD TURN SIGNAL LAMP
LT GREEN	ORANGE			956	W/SHIELD WIPER SW. TO W/SHIELD WIPER MOTOR FIELD RH
LT GREEN	PURPLE			797	BATTERY FEED TO STEREO
LT GREEN	RED			443	SEQUENTIAL LH REAR CENTER TURN SIGNAL LAMP
LT GREEN	RED			675	SELECTOR SW. TO RIGHT FUEL GAGE
LT GREEN	RED			904	(COIL) OR (ACCY.) TERM. OF IGN. SW. TO ALT. REG. (IGN. TERM.)
LT GREEN	WHITE			3	LH FRONT TURN SIGNAL LAMP
LT GREEN	YELLOW			54	INTERIOR LAMP SWITCH FEED
LT GREEN	YELLOW			869	RETARD VALVE TO CONTROL RELAY TERM. #1
LT GREEN		BLACK		933	ESC SWITCH TO ESC VALVE CONTROL
LT GREEN		ORANGE		243	POWER SERVO TO CLIMATE CONTROL UNIT (MODE)
LT GREEN		PURPLE		75	STARTING MOTOR RELAY TO SERIES PARALLEL SW. (#1 TERM)
LT GREEN		PURPLE		348	THERMOSTATIC SW. TO AIR COND. SW. SELECTOR TERM.
LT GREEN		RED		10	STOP LAMP SWITCH FEED
LT GREEN		WHITE		754	BLOWER MOTOR SPEED CONTROLLER TO RESISTOR #1 (MED.)
LT GREEN		YELLOW		455	CIRCUIT BREAKER TO FUEL VALVE
LT GREEN		YELLOW		765	HEATER AND A/C CONTROL SW. TO REHEAT & A/C FEED
LT GREEN		YELLOW		768	REFERENCE SENSOR TO HEAT DUCT THERMISTOR
LT GREEN			RED	162	EMERG. BRAKE WARNING LAMP TO EMERG. BRAKE SWITCH
LT GREEN			YELLOW	7	SEAT SWITCH ARM TERM TO RELAY FIELD TERM
LT GREEN	ORANGE			172	RELAY TO SEAT LATCH SOLENOID
				250	HEATER & A/C CONTROL SW. (LO-NORM) TO POWER SERVO
				589	WINDSHIELD WIPER SWITCH TO INTERMITTENT GOVERNOR GROUND
				261	BLOWER MOTOR TO SWITCH - HI



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CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
ORANGE	BLACK			697	SPEED REG. SW. OFF POSITION TO ON & OFF RELAY
ORANGE	LT BLUE			5	RH REAR TURN SIGNAL LAMP
ORANGE	LT BLUE			35	ALTERNATOR REGULATOR F TERM. TO ALTERNATOR
ORANGE	LT BLUE			445	SEQUENTIAL RH REAR INBOARD TURN SIGNAL LAMP
ORANGE	LT GREEN			89	GLOW PLUG TO GLOW PLUG SWITCH
ORANGE	LT GREEN			459	INDICATOR RELAY TO FLASHER
ORANGE	RED			447	SEQUENTIAL RH REAR OUTBOARD TURN SIGNAL LAMP
ORANGE	RED			515	RESISTOR TO BLOWER MOTOR (#1)
ORANGE	WHITE			381	MOVABLE STEERING COLUMN SOLENOID TO COURTESY LAMP SWITCH
ORANGE	WHITE			446	SEQUENTIAL RH REAR CENTER TURN SIGNAL LAMP
ORANGE	YELLOW			8	TURN SIGNAL FLASHER FEED
ORANGE		BLACK		458	TURN SIGNAL SWITCH TO INDICATOR RELAY
ORANGE		LT BLUE		43	LOW AIR BUZZER FEED
ORANGE		LT GREEN		73	LOW AIR BUZZER TO LOW AIR BUZZER SWITCH
ORANGE		LT GREEN		804	SPEAKER VOICE COIL FEED-FRONT (LEFT CHANNEL)
ORANGE		RED		604	SKID CONTROL MODULE TO RH WHEEL SENSOR HI
ORANGE		YELLOW		144	AMPLIFIER TO SERVO TRANSUCER FEED
ORANGE			BLACK	776	CLIMATE CONTROL BOX TO HIGH BLOWER RELAY
ORANGE			LT GREEN	27	EMA CONTROL TO EGR SWITCH
ORANGE			YELLOW	18	SEAT SWITCH TO RELAY FIELD TERM
PINK				194	WINDOW REG RELAY ACCY FEED
PINK	BLACK			474	STOPLAMP RELAY FEED
PINK	BLACK			787	FUEL PUMP SAFETY SWITCH TO FUEL PUMP MOTOR
	LT BLUE			806	SPEAKER VOICE COIL FEED-REAR (RIGHT CHANNEL)
				807	SPEAKER VOICE COIL FEED-REAR (LEFT CHANNEL)
				487	READING LAMP SWITCH TO READING LAMP
				173	DOOR SWITCH TO SEAT LATCH RELAY (COIL TERM)



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CAR STANDARD COLOR CODE CHART (BY COLOR)(Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
PINK	YELLOW			598	COIL TERM. OF IGN. SW. TO FUEL PUMP PRIMER SWITCH
PINK		LT BLUE		883	AIR COND CONTROL RELAY FEED
PINK		LT GREEN		917	VENT SWITCH TO BLOWER MOTOR LO
PINK		ORANGE		858	MAKE READY SWITCH TO BRAKE PEDAL PAD SWITCH
PINK		WHITE		371	BLOWER MOTOR RELAY TO MOTOR
PINK		YELLOW		626	OPEN DOOR WARNING LAMP FEED
PINK			BLACK	117	DOOR LOCK MOTOR (LOCK)
PINK			LT GREEN	120	DOOR LOCK SWITCH (UNLOCK)
PINK			ORANGE	118	DOOR LOCK MOTOR (UNLOCK)
PINK			YELLOW	119	DOOR LOCK SWITCH (LOCK)
PURPLE				246	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)
PURPLE				247	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)
PURPLE				500	HEADLAMP DIMMER SWITCH TO HEADLAMP DIMMER RELAY
PURPLE				923	SPEED CONTROL SW. TO SPEED REG. SOLENOID
PURPLE	LT BLUE			405	WINDOW REG. SW. TO BACK WIND. SW.
PURPLE	LT GREEN			404	WINDOW REG. SW. TO BACK WIND. SW.
PURPLE	ORANGE			131	CIGAR LIGHTER LAMP FEED
PURPLE	WHITE			860	MAKE READY SWITCH TO SET SPEED SWITCH
PURPLE	WHITE			977	BRAKE WARNING SWITCH TO INDICATOR LAMP
PURPLE	YELLOW			380	TURN SIGNAL SWITCH TO LH CORNERING LAMP
PURPLE		LT BLUE		147	AMPLIFIER FEEDBACK POTENTIOMETER FEED
PURPLE		LT GREEN		946	REAR WASHER PUMP FEED
PURPLE		ORANGE		298	FUSED ACCY FEED #2
PURPLE		WHITE		520	SEAT BELT WARNING LAMP TO WARNING LAMP SWITCH
				84	DECK LID SOLENOID FEED
			WHITE	758	HEATER AND A/C CONTROL SW. (LO-NORM) TO RESISTOR (LOW RANGE)
				63	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR



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CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
RED				123	TOP CONTROL SWITCH TO TOP CONT. MOTOR OR RELAY
RED				143	TWO OR THREE SPEED AXLE SWITCH TO TWO OR THREE SPEED AXLE MOTOR
RED				180	HORIZONTAL SEAT REG. MOTOR TO RELAY
RED				226	LF WINDOW REG SW TO LF WINDOW REG MOTOR
RED				253	INTERMEDIATE TERM 3 SPEED AXLE SWITCH TO SOLENOID VALVE FORWARD TANDE
RED				288	BATTERY FEED TO STOPLAMP SWITCH
RED				527	HEADLAMP DIMMER SWITCH OVERRIDE TO RHEOSTAT
RED				597	COIL TERM. OF IGN. SW. TO OIL PRESSURE SAFETY SWITCH
RED				605	SOLENOID
RED				633	IGN. SW. TO OIL TEMP. WARNING RELAY
RED				780	ENGINE ALARM RELAY (OIL PRESS.) F TERM. TO A TERM. IGN. SW.
RED				870	EMERGENCY STOP LAMP SWITCH TO TRACTOR-TRAILER PLUG
RED				924	HOLDING RELAY TO SPEED CONTROL SW. FEED
RED	BLACK			13	HEADLAMP DIMMER SWITCH TO LOW BEAMS
RED	BLACK			314	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT FRONT WINDOW REGULATOR MD
RED	LT BLUE			32	STARTER CONTROL
RED	LT BLUE			979	SEAT REGULATOR SWITCH TO FRONT MOTOR (LH)
RED	LT GREEN			16	IGNITION SWITCH TO IGNITION COIL BATT. TERMINAL
RED	LT GREEN			454	IGN. SW. COIL TERM. TO CIRCUIT BREAKER
RED	LT GREEN			983	SEAT REGULATOR SWITCH TO REAR MOTOR (LH)
RED	ORANGE			655	STARTING MOTOR RELAY SHUNT TO AMMETER
RED	ORANGE			955	W/SHIELD WIPER MOTOR ARM RH TO W/S WIPER SWITCH
RED	PINK			159	DOOR JAMB SWITCH TO BUZZER
	PINK			745	ANTENNA SWITCH TO POWER ANTENNA (UP)
				39	TEMP. GAGE TO TEMP. SENDING UNIT
				153	STARTING MOTOR RELAY TO FLASHER
				757	HEATER & A/C CONTROL SW. (HI-NORM) TO BLOWER MOTOR SW. RELAY



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
RED	WHITE			981	SEAT REGULATOR SWITCH TO HORZ. MOTOR (LH)
RED	YELLOW			15	HEADLAMP SWITCH TO HEADLAMP DIMMER SWITCH
RED	YELLOW			334	WINDOW REG SW TO WINDOW REG MOTOR
RED		BLACK		320	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT REAR WINDOW REGULATOR MOT
RED		BLACK		366	FUEL WARNING RELAY CONTROL
RED		BLACK		975	TRANSMISSION TEMPERATURE LAMP INDICATOR FEED
RED		LT BLUE		317	LEFT FRONT WINDOW REGULATOR SWITCH TO LEFT REAR WINDOW REGULATOR MOTO
RED		LT GREEN		602	COIL TERM. OF IGN. SWITCH TO BRAKE SKID CONTROL MODULE
RED		LT GREEN		810	STOPLAMP SW. TO STOPLAMP
RED		ORANGE		260	BLOWER MOTOR TO SWITCH - LO
RED		ORANGE		853	COIL TERM. IGN. SW. TO BALLAST RESISTOR E TERM.
RED		PINK		69	COIL TERM. IGN. SW. TO FUEL SOLENOID
RED		WHITE		383	EMERGENCY WARNING FLASHER FEED
RED		YELLOW		640	WARNING LAMPS FEED
RED			BLACK	647	WATER TEMP. WARNING LAMP TO WATER TEMP. SWITCH (HOT)
RED			LT BLUE	170	WINDOW REGULATOR SWITCH FEED
RED			LT BLUE	648	TACHOMETER
RED			LT BLUE	985	SEAT REGULATOR SWITCH TO FRONT MOTOR (RH)
RED			LT GREEN	766	HEATER AND A/C CONTROL SW. (DE-FOG INLET AIR CONTROL SOLENOID
RED			LT GREEN	962	DIFF. TEMP. SW. TO FRONT DIFFERENTIAL
RED			LT GREEN	989	SEAT REGULATOR SWITCH TO REAR MOTOR (RH)
RED			ORANGE	788	REHEAT AMPLIFIER TO HEAT DUCT THERMISTOR
RED			ORANGE	848	BALLAST RESISTOR E TERM. TO TRANSISTOR UNIT E TERM.
RED			PINK	756	HEATER AND A/C CONTROL SW. (HI-NORM) TO RESISTOR (LOW RANGE)
			WHITE	42	SWITCH TO WARNING LAMP
			WHITE	987	SEAT REGULATOR SWITCH TO HORZ. MOTOR (RH)
			YELLOW	105	OVERDRIVE KICKDOWN SWITCH TO OVERDRIVE RELAY



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CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
RED			YELLOW	328	WINDOW REG. MASTER CONT. SW. TO WIND. REG. SW. FEED
RED			YELLOW	960	AUX. HEATER FEED TO SWITCH
TAN				406	WINDOW REG. SW. TO BACK WIND. AUX. SW.
TAN	BLACK			407	WINDOW REG. SW. REAR TO LIMIT SW.
TAN	LT GREEN			23	ANTI THEFT SYSTEM SWITCH FEED
TAN	ORANGE			478	FOG LAMP SW. TO FOG LAMP
TAN	RED			408	WINDOW REG. SW. FRONT TO LIMIT SW.
TAN	WHITE			934	EMISSION SPEED SENSOR TO MODULATOR CONTROL
TAN	YELLOW			509	AIR COND. CONDENSOR THERMAL SWITCH FEED
TAN		BLACK		939	MODULATOR TO THERMO. SW.
TAN		LT BLUE		817	INDICATOR RELAY TO RH TURN LAMP
TAN		LT GREEN		494	TURN SIGNAL RELAY TO TURN SIGNAL FLASHER
TAN		ORANGE		184	AIR COND SW (LO) TO AIR COND BLOWER MOTOR
TAN		RED		133	RELAY TO MAP LAMP SWITCH
TAN		WHITE		818	INDICATOR RELAY TO LH TURN LAMP
TAN		YELLOW		114	FEED TO VACUUM DOOR LOCK SWITCH
TAN			BLACK	409	PRESSURE SWITCH TO KEY SWITCH
TAN			LT BLUE	200	IGNITION RELAY TO COOLANT FAN
TAN			LT GREEN	199	CONTROL RELAY TO IGNITION RELAY
TAN			ORANGE	197	COOLANT TEMPERATURE SWITCH TO CONTROL RELAY
TAN			RED	196	COOLANT FAN CONTROL RELAY FEED
TAN			WHITE	87	INTERLOCK MODULE TO CENTER SEAT SENSOR SWITCH
TAN			YELLOW	198	A/C PRESSURE SWITCH TO CONTROL RELAY
TE				17	LOW OIL PRESSURE WARNING LAMP TO LOW OIL PRESS. SENDING UNIT
				58	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR
				102	OVERDRIVE - KICKDOWN SWITCH TO OVERDRIVE GOVERNOR
				176	REAR WINDOW REGULATOR SWITCH FEED



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
WHITE				206	GROUND RETURN TO TOWING VEHICLE
WHITE				306	SEAT REG. SW. TO HORIZ. SOLENOID BATT. TERM.
WHITE				508	RHEOSTAT TO SENSOR
WHITE				519	GLOW PLUG SW. TO LAMP (FEED)
WHITE				671	SPEED REG. SW. ON POSITION TO ON & OFF RELAY
WHITE	BLACK			4	ALTERNATOR REG. S TERM. TO ALTERNATOR S TERM
WHITE	BLACK			950	WASHER CONTROL SWITCH FEED
WHITE	LT BLUE			2	RH FRONT TURN SIGNAL LAMP
WHITE	LT GREEN			642	WATER TEMP. WARNING LAMP TO WATER TEMP. SW. (COLD)
WHITE	LT GREEN			761	BLOWER MOTOR RELAY TO ENG. WATER TEMP. SWITCH (COLD)
WHITE	ORANGE			790	HEATER AND A/C CONTROL SW. TO INST. PANEL THERMISTOR
WHITE	ORANGE			925	SPEED CONTROL SW. TO SPEED REG. COUPLING COIL
WHITE	PINK			160	BUZZER TO WARNING INDICATOR RELAY
WHITE	PINK			775	HEATER & A/C CONTROL SW. (DEFOG) TO DEFROST CONT. SOLENOID
WHITE	PURPLE			296	FUSED ACCY FEED #1
WHITE	RED			31	OIL PRESSURE INDICATOR TO OIL PRESSURE SENDING UNIT
WHITE	YELLOW			247	POWER SERVO TO CLIMATE CONTROL UNIT (AMP)
WHITE		LT BLUE		20	DISTRIBUTION ELECTRONIC CONTROL FEED
WHITE		LT GREEN		805	SPEAKER VOICE COIL FEED-FRONT (RIGHT CHANNEL)
WHITE		PINK		146	SERVO VENT SOLENOID TO CONTROL TRANSISTOR
WHITE		RED		385	FLASHER TO EMERGENCY WARNING SWITCH
WHITE		YELLOW		920	BRAKE SW. TO SPEED CONTROL REG.
WHITE			PINK	33	STARTER CONTROL TO INTERLOCK MODULE
WHITE			PURPLE	26	DECK LID SWITCH TO ANTI THEFT MODULE
			RED	103	OVERDRIVE KICKDOWN SW. TO IGN. COIL
				37	BATTERY TO LOAD
				122	TOP CONTROL SWITCH TO TOP CONT. MOTOR OR RELAY



CAR STANDARD COLOR CODE CHART (BY COLOR) (Cont'd)

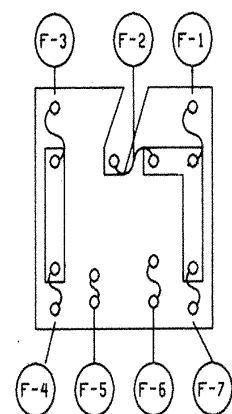
BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
YELLOW				179	HORIZONTAL SEAT REG. MOTOR TO RELAY
YELLOW				227	LF WINDOW REG SW TO LF WINDOW REG MOTOR
YELLOW				507	AMPLIFIER TO RHEOSTAT
YELLOW				593	SPEED CONTROL ACTUATOR TO CUTOFF RELAY
YELLOW				859	BRAKE PEDAL PAD SWITCH TO CONTROL RELAY TERM. #4
YELLOW	BLACK			283	TURN SIGNAL SW. TO LH REAR TURN SIGNAL LAMP
YELLOW	BLACK			313	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT FRONT WINDOW REGULATOR MO
YELLOW	LT BLUE			316	LEFT FRONT WINDOW REGULATOR SWITCH TO LEFT REAR WINDOW REGULATOR MOTO
YELLOW	LT BLUE			978	SEAT REGULATOR SWITCH TO FRONT MOTOR (LH)
YELLOW	LT GREEN			654	ALT. SHUNT TO AMMETER
YELLOW	LT GREEN			982	SEAT REGULATOR SWITCH TO REAR MOTOR (LH)
YELLOW	RED			45	HOT WATER TEMP. RELAY TO HOT WATER TEMP. SENDING UNIT
YELLOW	RED			61	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR
YELLOW	RED			333	WINDOW REG SW TO WINDOW REG. MOTOR
YELLOW	RED			753	HEATER & A/C CONTROL SW. TO BLOWER RELAY SW.
YELLOW	WHITE			29	FUEL GAGE TO FUEL GAGE SENDER
YELLOW	WHITE			980	SEAT REGULATOR SWITCH TO HORZ. MOTOR (LH)
YELLOW		BLACK		137	RADIO ANTENNA SWITCH FEED
YELLOW		BLACK		319	LEFT FRONT WINDOW REGULATOR SWITCH TO RIGHT REAR WINDOW REGULATOR MOT
YELLOW		LT BLUE		248	HEATER & A/C CONTROL SW. (DE-ICE) TO CLIMATE CONTROL UNIT
YELLOW		LT BLUE		990	SEAT REGULATOR SWITCH TO FRONT MOTOR (LH)
YELLOW		LT GREEN		6	HORN RELAY TO HORN
YELLOW		LT GREEN		193	WINDOW REGULATOR RELAY FEED
YELLOW		RED		148	SERVO FEEDBACK POTENTIOMETER SIGNAL TO AMPLIFIER
				244	THERMAL SW. TO CLIMATE CONTROL UNIT
			BLACK	219	SIGNAL UNIT LAMP TO FUEL SIGNAL RELAY
			LT BLUE	460	HORN SWITCH FEED



CAR STANDARD COLOR CODE CHART (BY COLOR)(Cont'd)

BASE	STRIPE	HASH	DOT	CIRCUIT	DESCRIPTION
YELLOW			LT BLUE	984	SEAT REGULATOR SWITCH TO FRONT MOTOR (RH)
YELLOW			T BLUE	6 113	STARTING MOTOR TO STARTING MOTOR RELAY
YELLOW			LT GREEN	375	MOVABLE STEERING COLUMN SOLENOID FEED
YELLOW			LT GREEN	660	AIR COND. CONTROL SW. TO FRESH-AIR RECIRC. DOOR SOLENOID
YELLOW			LT GREEN	988	SEAT REGULATOR SWITCH TO REAR MOTOR (RH)
YELLOW			RED	752	BLOWER MOTOR SPEED CONTROLLER TO RESISTOR #2 (MED.)
YELLOW			WHITE	36	ALTERNATOR OUTPUT
YELLOW			WHITE	986	SEAT REGULATOR SWITCH TO HORZ. MOTOR (RH)





FUSE PANEL LOCATION
L.H. SIDE OF DASH PANEL

- F-1 (15 AMP) W/S WASHER SWITCH, RADIO, BACKUP LAMP SWITCH, MANUAL START INTERLOCK & BACKUP LAMP SWITCH, T/S FLASHER
- F-2 (20 AMP) PARKING BRAKE WARNING LAMP, CONVERTIBLE TOP SWITCH
- F-3 (20 AMP) CIGAR LIGHTER, HORN SWITCH
- F-4 (14AMP) CLOCK, COURTESY LAMPS, MAP LAMP, GLOVE BOX LAMP, LUGGAGE COMPARTMENT LAMP
- F-5 (4 AMP) INSTRUMENT PANEL LAMPS
- F-6 (14 AMP) TACHOMETER, IGNITION SWITCH, WARNING LAMPS, SEAT BELT WARNING BUZZER, SEAT BELT WARNING LAMP, AMBIENT TEMPERATURE SENSOR SWITCH, E.G.R. CONTROL MODULE, E.G.R. CUTOFF MODULE, THROTTLE POSITION SOLENOID
- F-7 (14 AMP) HEATER
- NOTE: 30 AMP C/B REQUIRED FOR A/C

BULB CHART		
LAMP DESCRIPTION	CANDLEPOWER OR WATTAGE	TRADE NUMBER
HEADLAMP		
H1/LD BEAM	50-60	6014
FRONT PARK/TURN	3-32	1157NA
TAIL/STOP/TURN	3-32	1157
BACK-UP	32	1156
SIDE MARKER		
FRONT	2	194
REAR	2	194
LICENSE PLATE	4	97
COURTESY		
ENGINE COMPT	6	631
DOVE	12	561
GLOVE BOX	2	1895
INSTR PANEL	6	631
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OIL	2	194
PARKING BRAKE	2	256
SEAT BELT	PIA	R
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H1-BEAM	2	194
TURN	2	194

WIRING COLOR KEY

PRIMARY COLORS

BLACK	BK
BROWN	BR
TAN	T
RED	R
PINK	PK
ORANGE	O
YELLOW	Y
DARK GREEN	DG
LIGHT GREEN	LG
DARK BLUE	DB
LIGHT BLUE	LB
PURPLE	P
GRAY	GY
WHITE	W
HASH	(H)
DOT	(D)

HEAVY SOLID LINE REPRESENTS BATTERY FEED
HEAVY DASHED LINE REPRESENTS ACCESSORY FEED

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R.H.	E-36		
LICENSE	F-40		
MAP	B-45		
PARK AND TURN FRONT			
L.H.	F-33		
R.H.	F-35		

COMPONENT LOCATION CHART

RELAY PANEL	ABOVE GLOVE BOX
FUSE PANEL	RIGHT SIDE OF BRAKE PADAL SUPPORT
TURN SIGNAL FLASHER	ON RELAY PANEL
EMERGENCY WARNING FLASHER	TAPED TO 14401 HARNESS LEFT OF RELAY PANEL
KEY WARNING AND HEADLIGHTS "ON" BUZZER	ON RELAY PANEL
HEADLIGHTS "ON" RELAY	ON RELAY PANEL
SEAT BELT WARNING BUZZER	ON RELAY PANEL
AUTO. SEAT BACK RELEASE RELAY	ON RELAY PANEL
AUTO. SEAT BACK DIODE ASSEMBLY	TAPED TO HARNESS ABOVE RELAY PANEL
HEATED BACKLITE RELAY	ON RELAY PANEL
WINDSHIELD WIPER PAUSE CONTROL GOVERNOR	LOWER EDGE INSTRUMENT PANEL, RIGHT OF WIPER SWITCH
STOPLIGHT CIRCUIT BREAKER	ON RELAY PANEL
WINDOW SAFETY RELAY	ENGINE COMPT. REAR SIDE OF LEFT SHOCK TOWER

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R.H.	E-36	WATER TEMPERATURE	E-10
LICENSE	F-40		
MAP	B-45		
PARK AND TURN FRONT			
L.H.	F-33		
R.H.	F-35		

COMPONENT LOCATION CHART

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HEADLIGHTS "ON" RELAY	ON RELAY PANEL
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AUTO. SEAT BACK DIODE ASSEMBLY	TAPED TO HARNESS ABOVE RELAY PANEL
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CONTROL GOVERNOR	LOWER EDGE INSTRUMENT PANEL, RIGHT OF WIPER SWITCH
STOPLIGHT CIRCUIT BREAKER	ON RELAY PANEL
WINDOW SAFETY RELAY	ENGINE COMPT. REAR SIDE OF LEFT SHOCK TOWER

1973 MUSTANG

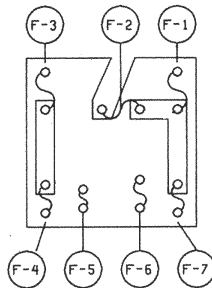
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FUSE PANEL LOCATION:
L.H. SIDE OF DASH PANEL

F-1 (15 AMP) W/S WASHER SWITCH, RADIO, BACKUP LAMP SWITCH, MANUAL
START INTERLOCK & BACKUP LAMP SWITCH, T/S FLASHER

F-2 (20 AMP) PARKING BRAKE WARNING LAMP, CONVERTIBLE TOP SWITCH

F-3 (20 AMP) CIGAR LIGHTER, HORN SWITCH

F-4 (14AMP) CLOCK, COURTESY LAMPS, MAP LAMP, GLOVE BOX LAMP,
LUGGAGE COMPARTMENT LAMP

F-5 (4 AMP) INSTRUMENT PANEL LAMPS

F-6 (14 AMP) TACHOMETER, IGNITION SWITCH, WARNING LAMPS, SEAT BELT
WARNING BUZZER, SEAT BELT WARNING LAMP, AMBIENT TEMPERATURE
SENSOR SWITCH, E.G.R. CONTROL MODULE, E.G.R. CUTOFF MODULE
THROTTLE POSITION SOLENOID

F-7 (14 AMP) HEATER
NOTE: 30 AMP C/B REQUIRED FOR A/C

WIRING COLOR KEY PRIMARY COLORS

BLACK	BK
BROWN	BR
TAN	T
RED	R
PINK	PK
ORANGE	O
YELLOW	Y
DARK GREEN	DG
LIGHT GREEN	LG
DARK BLUE	DB
LIGHT BLUE	LB
PURPLE	P
GRAY	GY
WHITE	W
HASH	(H)
DOT	(D)

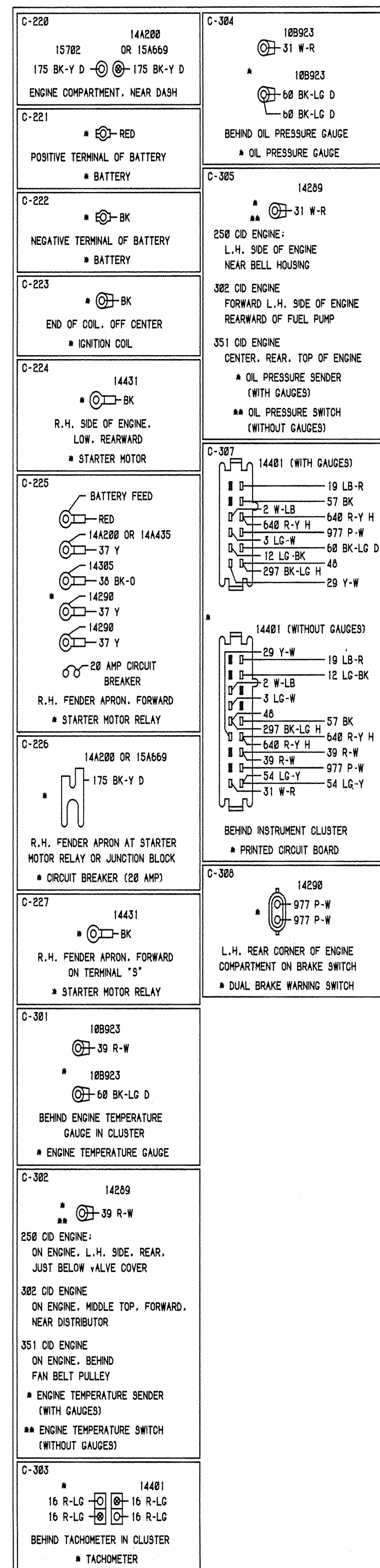
STRIPE IS UNDERSTOOD
AND HAS NO COLOR KEY

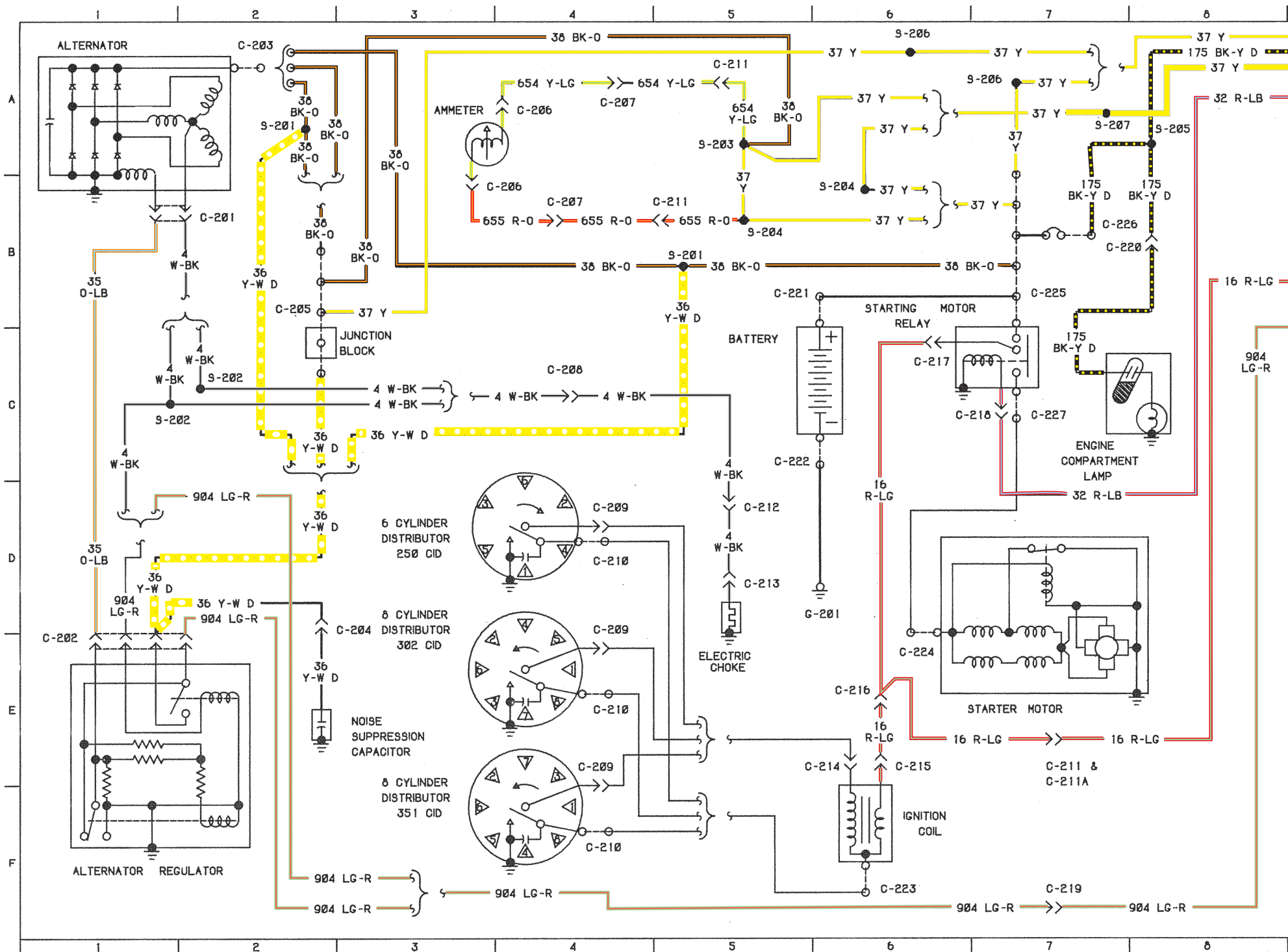
HEAVY SOLID LINE REPRESENTS BATTERY FEED
HEAVY DASHED LINE REPRESENTS ACCESSORY FEED

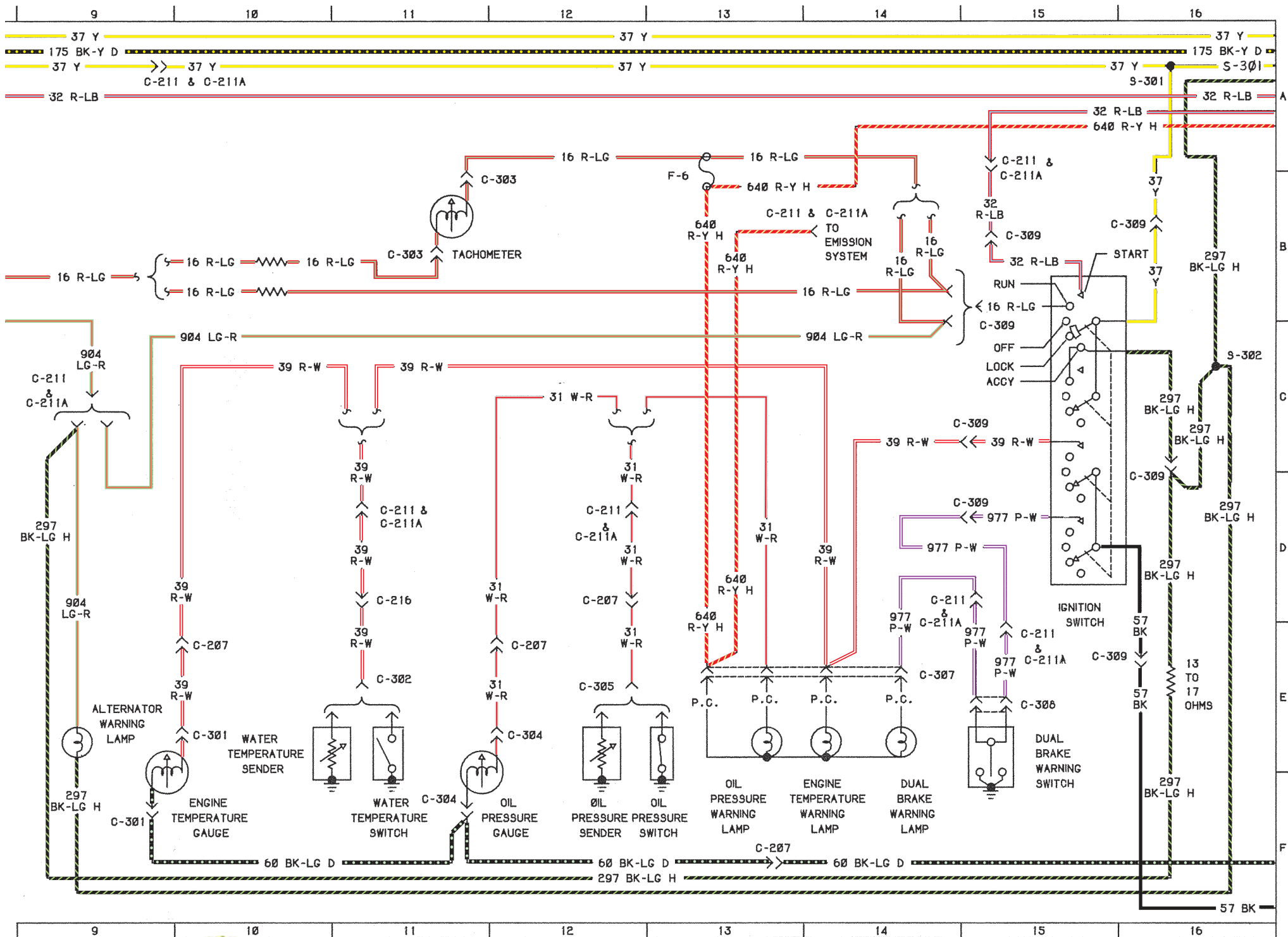
BULB CHART

LAMP DESCRIPTION	CANDLEPOWER OR WATTAGE	TRADE NUMBER
HEADLAMP		
HI/LO BEAM	50-60	6014
FRONT PARK/TURN	3-32	1157NA
TAIL/STOP/TURN	3-32	1157
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CIGAR LIGHTER	2	1895
CLOCK	2	194
CLUSTER	2	194
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HEATER CONTROL	.7	1445
PRNDL	.7	1445
RADIO	2	1893
WIPER SWITCH	2	1895
WARNING		
ALT	2	194
BRAKE	2	194
OIL	2	194
PARKING BRAKE	2	256
SEAT BELT		PIA
TEMP	2	194
INDICATOR		
AM-FM STEREO	.75	1892
HI-BEAM	2	194
TURN	2	194









Source Document
Ford Publication 365-163

COURSE 0333-001

1973

WIRING and VACUUM DIAGRAMS

Mark Corp
Aug 72 365-163



Ford Marketing Corporation
Ford Customer Service Division
Service Technical Communication



VACUUM SYSTEMS INDEX

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HOW TO USE THE VACUUM DIAGRAMS

IF IT IS A FORD CAR LINE VACUUM SYSTEM, THE TECHNICIAN WILL FIND A PAGE FOR THE TOTAL SCHEMATIC SYSTEM AS WELL AS A LISTING FOR A SCHEMATIC AND PICTORIAL OF EACH SUBSYSTEM ON EACH SECTION INDEX PAGE. IT IS RECOMMENDED THAT THE TECHNICIAN FIRST TURN TO THE TOTAL SYSTEMS SCHEMATIC TO DETERMINE IF THERE ARE ANY BRANCH SYSTEMS OPERATING FROM THE SAME SOURCE. THIS WILL ASSIST IN LOCATING SYSTEM TROUBLES. HE WILL THEN BE ABLE TO TURN TO A PAGE TO FIND DETAILED INFORMATION ON A PARTICULAR SYSTEM. IN TRACING VACUUM SYSTEMS, IT IS RECOMMENDED THAT A CIRCUIT BE TRACED FROM ITS CONTROL UNIT TO ITS SOURCE OF VACUUM, AND THEN FROM THE CONTROL UNIT TO THE OPERATING UNIT, NOTING POINTS OF POSSIBLE MALFUNCTION AND ACCESSIBILITY.

THE VACUUM SYMBOLS AND THEIR MEANINGS ARE NOTED ON EACH DIVIDER PAGE TO PROVIDE A CLEAR UNDERSTANDING OF THE DIAGRAMS.

VACUUM

CIRCUIT SYMBOLS



VACUUM NO. 1 OR 2 RESERVOIR



INTAKE MANIFOLD PORTING



VACUUM CONTROL



OR



DUAL VACUUM MOTOR



TEE CONNECTOR



4-WAY TEE CONNECTOR



VACUUM DISTRIBUTOR



OR



VACUUM LINE OR AIR SOURCE



CONNECTOR



BLEED VALVE AND CHECK VALVE



BLEED ON A MOTOR



OR



CAP (NOT OPEN)



GROUP CONNECTION



HOSE CLAMP



DASH RUBBER GROMMET



CHECK VALVE



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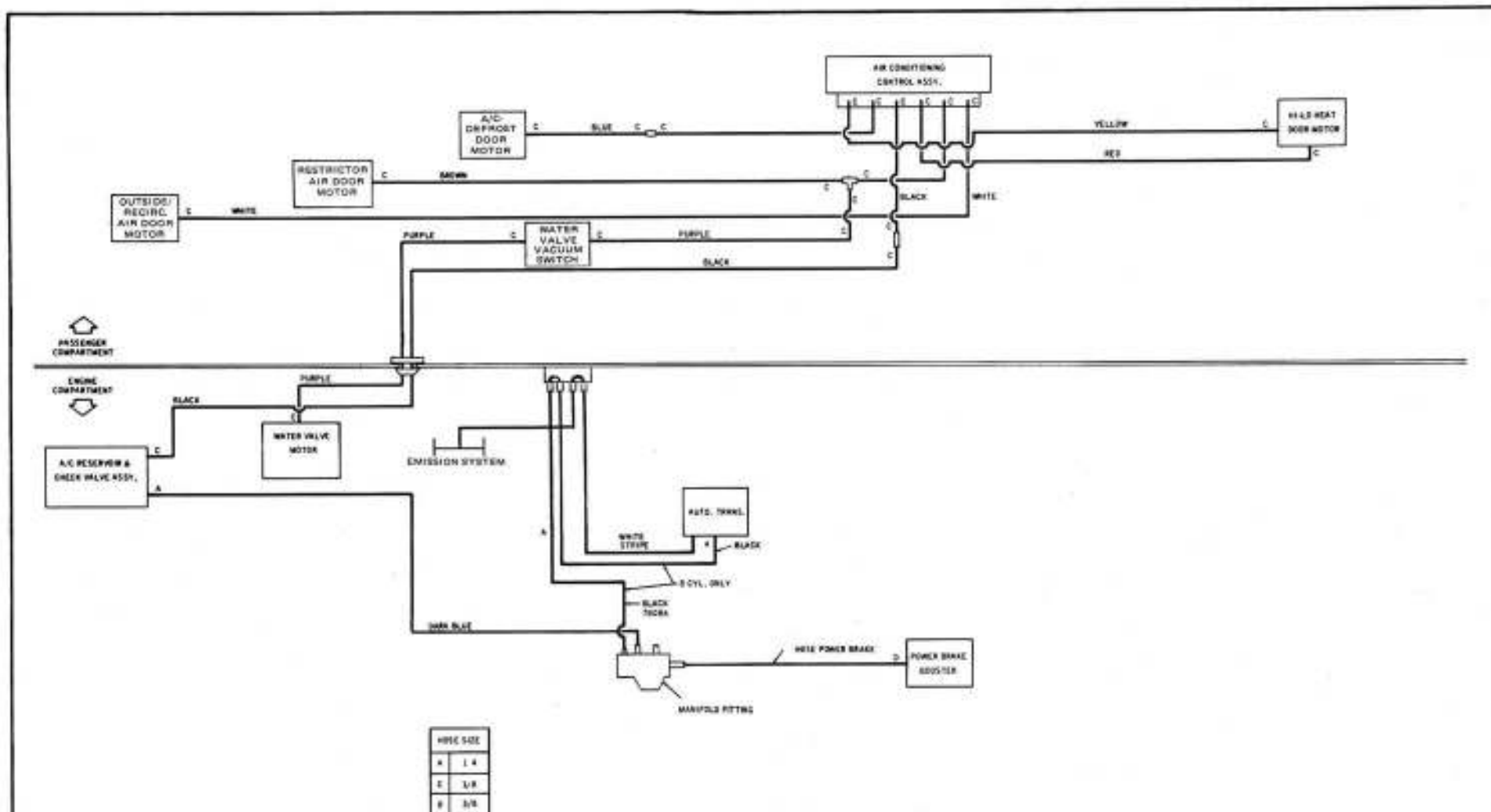
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1973 CAR SHOP MANUAL

Volume III Electrical

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Department

First Printing - September, 1972

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FOREWORD

This manual is divided into five volumes: 1 – Chassis, 2 – Engine, 3 – Electrical, 4 – Body, 5 – Maintenance and Lubrication. These volumes should provide Service Technicians with complete information covering normal service repairs on all 1973 model passenger cars built by the Ford Companies in the U. S. and Canada. As changes in the product occur, this information will be updated by Technical Service Bulletins. When issued, T.S.B. information always supersedes the information in the manual.

Information in each volume is grouped by system or component plus "General Service" part which contains information common to several similar components.

The table of contents on the first page of each volume indicates the general content of the book and provides a handy tab locator to make it easy to find the first page of each "Group." That page will contain an index to "Parts" and the first page of each "Part" contains a detailed index which gives page location for each service operation covered. Page numbers are consecutive in each "Part."

To make reference easier, information has been broken down into smaller units so that essentially there is now one "Part" for each component or system. Group numbers indicate the volume in which the group may be found.

Example: 11 – 02 – 21

Volume 1 – Group 11 – Part 02 – Page 21

Engine Diagnosis and Emission Systems diagnosis and service for 1973 model vehicles are covered in a separate publication (Form No. 365-12673F).

The descriptions and specifications in this manual were in effect at the time this manual was approved for printing. Ford Marketing Corporation reserves the right to discontinue models at any time, or change specifications or design, without notice and without incurring obligation.



Service Publications



Identification Codes

GROUP
30

PART 30-01 Car Identification Codes

3S56H100001
(VEHICLE IDENTIFICATION NUMBER)

MFD. BY FORD MOTOR CO. IN U.S.A.
DATE: 08/72 GVWR 5892
GAWR: FRONT 2964, REAR 2928

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

1	2	3	4	5	6	7	8	9	10	11	12
3	S	5	6	H	1	0	0	0	0	0	1
VEH. IDENT. NO.						PASSENGER					
BODY		COLOR	TRIM	TRANS.	AXLE	DRG					
57H		1C	DA	W	6	48					
(UNITED STATES)											

① CONSECUTIVE UNIT NO. ⑦ COLOR CODE
 ② BODY SERIAL CODE ⑧ VEHICLE TYPE
 ③ MODEL YEAR CODE ⑨ DISTRICT - SPECIAL EQUIPMENT
 ④ ASSEMBLY PLANT CODE ⑩ REAR AXLE CODE
 ⑤ ENGINE CODE ⑪ TRANSMISSION CODE
 ⑥ BODY TYPE CODE ⑫ TRIM CODE

MFD. BY FORD MOTOR CO.
IN U.S.A.

DATE: 08/72

THIS VEHICLE MANUFACTURED
FOR EXPORT

VEH. IDENT. NO.	MODEL	COI
TRIM	DRG	DRG

(EXPORT)

MFD. BY FORD MOTOR CO.
OF CANADA LTD. IN CANADA

DATE: 08/72 GVWR 5892
GAWR: FRONT 2964, REAR 2928

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

3B49S500001						PASSENGER					
VEH. IDENT. NO.						TYPE					
BODY		COLOR	TRIM	TRANS.	AXLE	DRG					
33B		1C	DA	W	6	B1					

(CANADA)



Y5410-C

FIG. 1 Vehicle Identification and Certification Labels

OFFICIAL VEHICLE IDENTIFICATION NUMBER

Official Vehicle Identification

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VEHICLE CERTIFICATION LABEL

The Vehicle Certification Label (V.C. Label) (Fig. 1) is attached to the rear face of the left front door on all 4-door models and Mustangs and Cougars, and to the left door lock pillar on all other 2-door models. The upper half of the label contains the name of the manufacturer, the month and year of

manufacture, the Gross Vehicle Weight Rating (GVWR), the Gross Axle Weight Rating (GAWR), and the certification statement.

The V.C. label also contains the Vehicle Identification Number. This number is also used for warranty identification of the vehicle. The first number indicates the model year. The letter following the model year number

indicates the manufacturing assembly plant. The next two numbers designate the Body Serial Code followed by a letter expressing the Engine Code.

The last six digits of the Vehicle Identification Number indicate the Consecutive Unit Number of each unit built at each assembly plant. The Consecutive Unit Numbers begin as follows:

100,001—Ford, Torino, Mustang, Thunderbird, Maverick and Pinto.

500,001—Mercury, Meteor, Montego, Cougar, Comet.

800,001—Lincoln Continental and

Continental Mark IV.

The remaining information on the V.C. Label consists of pertinent vehicle identification codes:

The BODY code is two numerals and a letter identifying the body style.

The COL (color) code is a number and letter indicating the exterior paint color code.

The TRIM code consists of a two-letter or a letter-number combination designating the interior trim.

The AXLE code is a number or letter indicating the rear axle ratio and standard or locking type axles.

The TRNS. code is a number or letter indicating the type of transmission.

The DSO code, consisting of two numbers, designates the district in which the car was ordered and may appear in conjunction with a Domestic Special Order or Foreign Special Order number when applicable. Ford of Canada DSO codes consist of a letter and a number.

The following charts provide the various codes and their respective identification:



ASSEMBLY PLANT, ENGINE, TRANSMISSION, REAR AXLE RATIO, DISTRICT AND EXTERIOR PAINT CODES
ASSEMBLY PLANT CODES

Code Letter	
A	Atlanta
B	Oakville (Canada)
E	Mahwah
F	Dearborn
G	Chicago
H	Lorain
J	Los Angeles
K	Kansas City
N	Norfolk
P	Twin Cities
R	San Jose
S	Allen Park (Pilot)
T	Metuchen
U	Louisville
W	Wayne
X	St. Thomas
Y	Wixom
Z	St. Louis

ENGINE CODES

Codes	No. of Cyls.	Displacement
A	8	460-4V
C	8	460-4V Police
F	8	302-2V
H	8	351-2V
L	6	250-1V
N	8	429-4V
Q	8	351-4V (CJ)
S	8	400-2V
T	6	200-1V
W	4	91-1V (1600 cc)
X	4	122-2V (2000 cc)
3①	6	250-1V

① Low Compression Export

DISTRICT CODES
LINCOLN-MERCURY

Code	District
11	Boston
15	New York
16	Philadelphia
17	Washington
21	Atlanta
22	Dallas
23	Jacksonville
26	Memphis
31	Buffalo
32	Cincinnati
33	Cleveland
34	Detroit
41	Chicago
42	St. Louis
46	Twin Cities
51	Denver
52	Los Angeles
53	Oakland
54	Seattle
84	Home Office Reserve
90	Export

FORD OF CANADA

Mercury Code	Region	Ford Code
A1	Central	81
A2	Eastern	82
A3	Atlantic	83
A4	Midwestern	84
A6	Western	86
A7	Pacific	87
12	Export	12

DISTRICT CODES
FORD

Code	District
11	Boston
12	Buffalo
13	New York
14	Pittsburgh
15	Newark
16	Philadelphia
17	Washington
21	Atlanta
22	Charlotte
23	Memphis
24	Jacksonville
25	Richmond
26	New Orleans
28	Louisville
41	Chicago
42	Cleveland
43	Milwaukee
45	Lansing
46	Indianapolis
47	Cincinnati
48	Detroit
52	Dallas
53	Kansas City
54	Omaha
55	St. Louis
56	Davenport
57	Houston
58	Twin City
71	Los Angeles
72	San Jose
73	Salt Lake City
74	Seattle
75	Phoenix
76	Denver
83	Government
84	Home Office Reserve
85	American Red Cross
87	Body Company
89	Transportation Services
90-99	Export

TRANSMISSION CODES

Codes	Type
1	3-Speed Manual
5	4-Speed Manual
E	4-Speed Manual
W	Automatic (C4)
U	Automatic (C6)
X	Automatic (FMX)
Z	Automatic (C6 Special)

REAR AXLE RATIO CODES

Conventional	Lock	Ratio
2	K	2.75:1
3	L	2.79:1
6	Ø	3.00:1
7	-	3.40:1
9	R	3.25:1
1	S	2.50:1
1	T	3.00:1
1	U	3.00:1

EXTERIOR PAINT COLOR CODES

Code	M-32-J Number	Color	Code	M-32-J Number	Color
1A	5100-A	Lt. Gray Met.	4U	5212-A	Brt. Lime Gold Met.
1C	1724-A	Black	5A	3314-A	Pewter Met.
1D	5106-A	Silver Met.	5D	5102-A	Ginger Bronze Met.
2B	3560-A	Brt. Red	5F	5099-A	Dk. Brown Met.
2C	5011-A	Red Met.	5H	3564-A	Ginger Met.
2G	5070-A	Med. Red Met.	5J	5071-A	Med. Ginger Met.
2J	3059-A	Maroon	5K	5076-A	Dk. Gold Met.
2K	5255-A	Fuschia	5L	5003-A	Tan
3A	921-A	Platinum	5M	5144-A	Med. Chestnut Met.
3B	3429-A	Lt. Blue	5N	5146-A	Med. Orange Met.
3D	5087-A	Med. Blue Met.	5P	5206-A	Copper Met.
3G	5094-A	Brt. Dk. Blue Met.	6B	3565-A	Lt. Goldenrod
3K	5210-A	Brt. Blue Met.	6C	3492-A	Med. Goldenrod
3L	5209-A	Silver Blue Met.	6D	3341-A	Yellow
4B	5025-A	Brt. Green Gold Met.	6E	5080-A	Med. Brt. Yellow
4C	5072-A	Ivy Bronze Met.	6F	5079-A	Brt. Yellow Gold Met.
4D	5069-A	Dk. Ivy Bronze Met.	6G	5086-A	Brt. Yellow Gold Met.
4N	5173-A	Med. Aqua	6L	5136-A	Med. Gold Met.
4P	3462-A	Med. Green Met.	9A	1619-A	White
4Q	3542-A	Dk. Green Met.	9C	5289-A	White
4S	5060-A	Lt. Green			


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BODY SERIAL AND STYLE CODES

Vehicle	Body Serial Code	Body Style Code	Body Type	Model	Vehicle	Body Serial Code	Body Style Code	Body Type	Model	
TORINO	27	53B	4-Dr. Sedan Hardtop	Torino	MERCURY	48	57B	4-Dr. Hardtop	Monterey— Custom	
	25	65B	2-Dr. Hardtop			54	53F	4 Dr. Pillar Hardtop		
	30	65D	2-Dr. Hardtop	Gran		56	65F	2-Dr. Hardtop		Marquis
	31	53D	4-Dr. Sedan Hardtop	Torino		58	57F	4-Dr. Hardtop		
	35	63R	2-Dr. Fastback	Gran		63	53H	4 Dr. Pillar Hardtop		
	38	65R	2-Dr. Hardtop	Torino Sport		66	65H	2-Dr. Hardtop		
	40	71B	Torino	Station		68	57H	4-Dr. Hardtop	Brougham	
	42	71D	Gran. Torino	Wagons 4-Dr.		62	53K	4 Dr. Pillar Hardtop		
	43	71K	Torino Squire			64	65K	2-Dr. Hardtop		
	47	97D	Ranchero 500	Ranchero		67	57K	4-Dr. Hardtop	Monterey Wagon	
	48	97R	Ranchero GT			72	71B	4-Dr. 6 Pass. ②		
	49	97K	Ranchero Squire			74	71H	4-Dr. 6 Pass. ②	Marquis Wagon	
COMET	30	54B	4-Dr. Sedan	Standard	76	71K	4-Dr. 6 Pass. ②	Marquis Colony Park Wagon		
	31	62B	2-Dr. Sedan①		MERCURY (CANADA ONLY)	40	53X	4 Dr. Pillar Hardtop	Marquis	
COUGAR	91	65D	2-Dr. Hardtop①	41		65X	2-Dr. Hardtop			
	92	76D	Convertible	42		57X	4-Dr. Hardtop			
	93	65F	2-Dr. Hardtop	49		53B	4 Dr. Pillar Hardtop	Rideau 500		
	94	76F	Convertible	51	65B	2-Dr. Hardtop				
FORD	52	65D	2-Dr. Hardtop (Canada Only)	Custom 500	50	53B	4 Dr. Pillar Hardtop	Montcalm		
	53	53D	4-Dr. Sedan	Custom 500	52	65B	2-Dr. Hardtop			
	54	53F	4-Dr. Sedan	Galaxie 500	53	57B	4-Dr. Hardtop			
	56	57F	4-Dr. Hardtop	LTD		70	71B	Rideau 500-6 Pass. ②	Station Wagons-4 Dr.	
	58	65F	2-Dr. Hardtop			71	71B	Montcalm-6 Pass. ②		
	61	76H	Convertible	MONTEGO	02	53B	4-Dr. Sedan Hardtop	Montego		
	62	65H	2-Dr. Hardtop		03	65B	2-Dr. Hardtop			
	63	53H	4 Dr. Pillar Hardtop		LTD Brougham		04	53D	4 Dr. Sedan Hardtop	Montego MX
	64	57H	4-Dr. Hardtop				05	63D	2-Dr. Fastback	
	66	53K	4 Dr. Pillar Hardtop				07	65D	2-Dr. Hardtop	
	67	57K	4-Dr. Hardtop				10	53K	4-Dr. Sedan Hardtop	Montego MX Brougham
	68	65K	2-Dr. Hardtop				11	65K	2-Dr. Hardtop	
	72	71D	4-Dr. Wagon		Custom 500 Ranch ②	16	63R	2-Dr. Fastback	Montego GT	
	74	71F	4-Dr. Wagon		Country Sedan②	08	71D	Montego MX	Station Wagons-4 Dr.	
	76	71H	4-Dr. Wagon		Country Squire ②	18	71K	Montego MX Villager		
LINCOLN CONTINENTAL	81	65A	2-Dr. Hardtop		MUSTANG	01	65D	2-Dr. Hardtop	Standard	
	82	53A	4-Dr. Sedan Hardtop			02	63D	2-Dr. Sportsroof		
MARK IV	89	65D	2-Dr. Hardtop			03	76D	Convertible		
MAVERICK	91	62A	2-Dr. Sedan	Standard		04	65F	2-Dr. Hardtop	Grande	
	92	54A	4-Dr. Sedan			05	63R	2-Dr. Sportsroof	Mach 1	
	93	62D	2-Dr. Sport Sedan	Grabber	PINTO	10	62B	2-Dr. Sedan	Standard	
MERCURY	44	53B	4 Dr. Pillar Hardtop	Monterey		11	64B	3-Dr. Model		
	46	65B	4 Dr. Hardtop			12	73B	2-Dr. Wagon		
					THUNDERBIRD	87	65K	2-Dr. Hardtop		
① Also "GT" ② Also available w/Dual Face Rear Seats										

① Also "GT"

② Also available w/Dual Face Rear Seats

CY1412-C



INTERIOR TRIM CODES

Code	Trim Scheme	Code	Trim Scheme	Code	Trim Scheme	Code	Trim Scheme
COMET		A3	W/Ginger*	FR	Med. Green	EQ	W/Blue*
Random Stripe B/Cloth and		A6	W/Avocado*	FT	Beige-Brn.	EW	W/Black*
Corinth. Vinyl (L/B Bench)		Random Stripe B/Cloth and		Barletta B/Cloth and		E5	W/Green*
BA	Black	Corinth. Vinyl (H/B Bucket)		Corinth. Vinyl (L/B Bench)		E9	W/Tobacco*
BB	Med. Blue	BA	Black	GA	Black	Sarasota B/Cloth and	
BF	Ginger	BB	Med. Blue	GB	Med. Blue	Corinth. Vinyl (L/B S/Bench)	
BG	Avocado	BF	Med. Ginger	GF	Ginger	FF	Ginger
Tooled Leather/Corinth. Vinyl		BG	Avocado	GR	Med. Green	FP	Silver
(L/B Bench)		BU	Tan	GT	Beige-Brn.	FY	Gold
HA	Black	Sebring Knit and Corinth. Vinyl		Aurora B/Cloth and		Victoria B/Cloth and	
HB	Blue	(H/B Bucket)		Corinth. Vinyl (H/B Flight Bench)		Corinth. Vinyl (L/B Flight Bench)	
HC	Orange	CA	Black	HA	Black	GA	Black
HF	Ginger	CB	Med. Blue	HB	Med. Blue	GP	Silver
HG	Avocado	CF	Med. Ginger	HR	Med. Green	GT	Beige-Brn.
Aurora B/Cloth and Corinth. Vinyl		CG	Avocado	HT	Beige-Brn.	Natural Grain Leather and	
(L/B Bench)		CU	Tan	HZ	Tobacco	Mateao Vinyl (L/B Flight Bench)	
JA	Black	CQ	W/Blue*	Aurora B/Cloth and		HA	Black
JB	Blue	CW	W/Black*	Corinth. Vinyl (H/B S/Bench)		HP	Silver
JF	Ginger	C3	W/Ginger*	JA	Black	HT	Beige-Brn.
JG	Avocado	C6	W/Avocado*	JB	Med. Blue	MAVERICK	
Corinth. Vinyl (L/B Bench)		Natural Grain Leather and		JR	Med. Green	Random Stripe B/Cloth and	
KA	Black	Mateao Vinyl (H/B Bucket)		JT	Beige-Brn.	Corinth. Vinyl (L/B Bench)	
KB	Blue	DA	Black	JZ	Tobacco	BA	Black
KC	Orange	DB	Med. Blue	Ruffino/Corinth. Vinyl (H/B S/Bench)		BB	Med. Blue
KF	Ginger	DF	Med. Ginger	KA	Black	BF	Ginger
KG	Avocado	OG	Avocado	KB	Med. Blue	BG	Avocado
Corinth. Vinyl (H/B Bucket)		OU	Tan	KF	Ginger	Tooled Leather/Corinth. Vinyl	
LA	Black	DQ	W/Blue*	KR	Med. Green	(L/B Bench)	
LB	Med. Blue	DW	W/Black*	LINCOLN CONTINENTAL		HA	Black
LC	Orange	D3	W/Ginger*	Sarasota B/Cloth and		HB	Blue
LF	Ginger	D6	W/Avocado*	Corinth. Vinyl (L/B Flight Bench)		HC	Orange
LG	Avocado	Random Stripe B/Cloth and		AF	Ginger	HF	Ginger
Corinth. Vinyl (H/B Bucket)		Corinth. Vinyl (H/B Bucket)		AP	Silver	HG	Avocado
PU	Tan	EA	Black	AY	Gold	Aurora B/Cloth and Corinth. Vinyl	
CONTINENTAL MARK IV		EB	Med. Blue	Westminster B/Cloth and		(L/B Bench)	
Westminster B/Cloth and		EF	Med. Ginger	Corinth. Vinyl (L/B Flight Bench)		JA	Black
Corinth. Vinyl (L/B S/Bench)		EG	Avocado	BA	Black	JB	Blue
AA	Black	EU	Tan	BB	Dk. Blue	JF	Ginger
AB	Dk. Blue	FORO		BR	Dk. Green	JG	Avocado
AD	Dk. Red	Linares B/Cloth and		BZ	Tobacco	Corinth. Vinyl (L/B Bench)	
AP	Silver	Corinth. Vinyl (L/B Bench)		Westminster B/Cloth and		KA	Black
AR	Dk. Green	AA	Black	Corinth. Vinyl (L/B S/Bench)		KB	Blue
AT	Beige-Brn.	AB	Med. Blue	CA	Black	KC	Orange
AY	Gold	AR	Med. Green	CB	Dk. Blue	KF	Ginger
AZ	Tobacco	AT	Beige-Brn.	CR	Dk. Green	KG	Avocado
Victoria Corduroy B/Cloth		Akron/Corinth. Vinyl (L/B Bench)		CZ	Tobacco	Natural Grain Leather and	
AH		BA	Black	Mateao Vinyl (L/B Flight Bench)		Corinth. Vinyl (H/B Bucket)	
Cranberry		BB	Med. Blue	DA	Black	LA	Black
Natural Grain		BR	Med. Green	DB	Dk. Blue	LB	Med. Blue
Leather/Corinth. Vinyl		BT	Beige-Brn.	DD	Dk. Red	LC	Orange
(L/B S/Bench)		Ruffino/Corinth. Vinyl (L/B Bench)		DF	Ginger	LF	Ginger
BA	Black	CA	Black	DP	Silver	LG	Avocado
BB	Dk. Blue	CB	Med. Blue	DR	Dk. Green	Corinth. Vinyl (H/B Bucket)	
BD	Dk. Red	CR	Med. Green	DT	Beige-Brn.	PU	Tan
BF	Med. Ginger	CT	Beige-Brn.	OY	Gold	MERCURY	
BP	Silver	Baroda B/Cloth and		OZ	Tobacco	Linares B/Cloth and	
BR	Dk. Green	Corinth. Vinyl (L/B Bench)		DD	W/Blue*	Corinth. Vinyl (L/B Bench)	
BT	Beige-Brn.	DA	Black	DW	W/Black*	AA	Black**
BY	Gold	DB	Med. Blue	D5	W/Green*	AB	Med. Blue**
BZ	Tobacco	DR	Med. Green	D9	W/Tobacco*	AR	Med. Green**
BQ	W/Blue*	DT	Beige-Brn.	Natural Grain Leather and		AT	Beige**
BW	W/Black*	Ruffino/Corinth. Vinyl (L/B Bench)		Mateao Vinyl (L/B S/Bench)		Akron/Corinth. Vinyl (L/B Bench)	
B5	W/Green*	EA	Black	EA	Black	BA	Black**
B9	W/Tobacco*	EB	Med. Blue	EB	Dk. Blue	BB	Med. Blue**
COUGAR		EF	Ginger	ED	Dk. Red	BR	Med. Green**
Ruffino/Corinth. Vinyl		ER	Med. Green	EF	Ginger	BT	Beige**
(H/B Bucket)		ET	Beige-Brn.	EP	Silver	Barletta B/Cloth and	
AA	Black	Ruffino/Corinth. Vinyl (L/B Bench)		ER	Dk. Green	Corinth. Vinyl (L/B Bench)	
AB	Med. Blue	FA	Black	ET	Beige-Brn.	CA	Black
AF	Med. Ginger	FB	Med. Blue	EY	Gold	CB	Med. Blue
AG	Avocado	FC	Ginger	EZ	Tobacco	CR	Med. Green
AO	W/Blue*					CT	Beige

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***White Trim with Black Components

CY1413C



INTERIOR TRIM CODES (Cont'd)

Code	Trim Scheme	Code	Trim Scheme	Code	Trim Scheme	Code	Trim Scheme
DA	Ruffino/Corinth. Vinyl (L/B Bench)	ZR	Med. Green	FA	Black		Sphere B/Cloth and Corinth. Vinyl (L/B Bench)
DB	Black	ZT	Beige	FB	Med. Blue	BA	Black
DR	Med. Blue	ZZ	Tobacco	FF	Med. Ginger	BB	Med. Blue
DT	Med. Green		MONTEGO	FG	Avocado	BR	Med. Green
	Beige		Sphere B/Cloth and Corinth. Vinyl (L/B Bench)	FU	Tan	BT	Beige-Brn.
GA	Black	AA	Black		Sebring Knit and Corinth. Vinyl (H/B Bucket)	BZ	Tobacco
GB	Med. Blue	AB	Med. Blue	GA	Black		Ruffino/Corinth. Vinyl (L/B Bench)
GR	Med. Green	AR	Med. Green	GB	Med. Blue	CA	Black
GT	Beige		Tahiti/Corinth. Vinyl (L/B Bench)	GF	Med. Ginger	CB	Med. Blue
HA	Ruffino/Corinth. Vinyl (L/B Bench)	BA	Black	GG	Avocado	CF	Ginger
HB	Black	BB	Med. Blue	GU	Tan	CR	Med. Green
HR	Med. Blue	BR	Med. Green	GW	White***	CT	Beige-Brn.
HT	Med. Green		Sphere B/Cloth and Corinth. Vinyl (L/B Bench)		PINTO		Balmoral B/Cloth and Corinth. Vinyl (L/B Bench)
	Beige	CA	Black		Dallas/Corinth. Vinyl (H/B Bucket)	DA	Black
	Radiant B/Cloth and Corinth. Vinyl (H/B S/Bench)	CB	Med. Blue	AA	Black	DF	Ginger
JA	Black	CR	Med. Green	AB	Med. Blue		Balmoral B/Cloth and Corinth. Vinyl (L/B Bench)
JB	Med. Blue	CT	Beige-Brn.	AF	Med. Ginger	EA	Black
JR	Med. Green	CZ	Tobacco	AG	Avocado	EF	Ginger
JT	Beige		Ruffino/Corinth. Vinyl (L/B Bench)	AT	Beige-Brn.		Ruffino/Corinth. Vinyl (L/B Bench)
JZ	Tobacco	DA	Black	AQ	W/Blue*	FA	Black
	Abalone B/Cloth and Corinth. Vinyl (L/B Bench)	DB	Med. Blue	AW	W/Black*	FB	Med. Blue
KA	Black	DF	Ginger	A3	W/Ginger*	FF	Ginger
KB	Med. Blue	DR	Med. Green	AG	W/Avocado*	FR	Med. Green
KR	Med. Green	DT	Beige-Brn.		Manston B/Cloth and Corinth. Vinyl (H/B Bucket)	FT	Beige-Brn.
KT	Beige		Valino/Corinth. Vinyl (L/B Flight Bench)	BA	Black		Ruffino/Corinth. Vinyl (L/B Bench)
KZ	Tobacco	EA	Black	BB	Med. Blue	GA	Black
	Ruffino/Corinth. Vinyl (L/B Bench)	EB	Med. Blue	BC	Orange	GB	Med. Blue
LA	Black	EF	Ginger	BF	Med. Ginger	GF	Ginger
LB	Med. Blue	ER	Med. Green	BG	Avocado	GR	Green
LF	Ginger	ET	Beige-Brn.	BH	Fuchsia		Ruffino/Corinth. Vinyl (H/B Bucket)
LR	Med. Green		Ruffino/Corinth. Vinyl (H/B Bucket)	BT	Beige-Brn.	KA	Black
LT	Beige	FA	Black	BY	Yellow	KB	Med. Blue
LZ	Tobacco	FB	Med. Blue		Corinth. Vinyl (H/B Bucket)	KF	Ginger
	Radiant B/Cloth and Corinth. Vinyl (H/B S/Bench)	FF	Ginger	CA	Black	KR	Med. Green
MA	Black	FR	Med. Green	CB	Med. Blue	KT	Beige-Brn.
MB	Med. Blue	FT	Beige-Brn.	CF	Med. Ginger		Ruffino/Corinth. Vinyl (H/B Bucket)
MR	Med. Green		Kismet B/Cloth and Corinth. Vinyl (L/B Flight Bench)	CG	Avocado	MA	Black
MT	Beige	GA	Black	CT	Beige-Brn.	MB	Med. Blue
MZ	Tobacco	GB	Med. Blue	CO	W/Blue*	MF	Ginger
	Radiant B/Cloth and Corinth. Vinyl (L/B Bench)	GR	Med. Green	CW	W/Black*	MR	Med. Green
NA	Black	GT	Beige-Brn.	C3	W/Ginger*	MT	Beige-Brn.
NB	Med. Blue	GZ	Tobacco	CG	W/Avocado*		Inverness B/Cloth and Corinth. Vinyl (L/B Flight Bench)
NR	Med. Green		Valino/Corinth. Vinyl (L/B Flight Bench)		THUNDERBIRD	NA	Black
NT	Beige	HA	Black		Lambeth B/Cloth and Corinth. Vinyl (H/B Bucket)	NB	Med. Blue
NZ	Tobacco	HB	Med. Blue	GA	Black	NR	Med. Green
	Valino/Corinth. Vinyl (H/B S/Bench)	HF	Ginger	GB	Dk. Blue	NT	Beige-Brn.
SA	Black	HR	Med. Green	GF	Ginger	NZ	Tobacco
SB	Med. Blue	HT	Beige-Brn.	GR	Dk. Green		Sphere B/Cloth and Corinth. Vinyl (L/B Bench)
SF	Ginger		Ruffino/Corinth. Vinyl (H/B Bucket)		Aurora B/Cloth and Corinth. Vinyl (L/B S/Bench)	OA	Black
SR	Med. Green	JA	Black	HA	Black	OB	Med. Blue
ST	Beige	JB	Blue	HB	Dk. Blue	OR	Med. Green
SZ	Tobacco	JF	Ginger	HF	Ginger	QT	Beige-Brn.
	Barletta B/Cloth and Corinth. Vinyl (L/B Bench)	JR	Green	HR	Dk. Green	OZ	Tobacco
VA	Black	JT	Beige-Brn.	HY	Gold		Ruffino/Corinth. Vinyl (L/B Bench)
VB	Med. Blue		MUSTANG	HZ	Tobacco	RA	Black
VR	Med. Green		Ruffino/Corinth. Vinyl (H/B Bucket)		Natural Grain Leather and Mareau Vinyl (L/B S/Bench)	RB	Med. Blue
VT	Beige	AA	Black	KA	Black	RF	Ginger
	Ruffino/Corinth. Vinyl (L/B Bench)	AB	Med. Blue	KB	Dk. Blue	RR	Med. Green
WA	Black	AF	Med. Ginger	KF	Ginger	RT	Beige-Brn.
WB	Med. Blue	AG	Avocado	KR	Dk. Green		Ruffino/Corinth. Vinyl (H/B Bucket)
WR	Med. Green	AU	Tan	KY	Gold	SA	Black
WT	Beige	AW	White***	KZ	Tobacco	SB	Med. Blue
	Ruffino/Corinth. Vinyl (L/B Bench)		Sebring Knit and Corinth. Vinyl (H/B Bucket)	KD	W/Blue*	SF	Ginger
YA	Black**	CA	Black	KW	W/Black*	SR	Med. Green
YB	Med. Blue**	CB	Med. Blue	K5	W/Green*	ST	Beige-Brn.
YR	Med. Green**	CF	Med. Ginger	K9	W/Tobacco*		Ruffino/Corinth. Vinyl (L/B Bench)
YT	Beige**	CG	Avocado		White Trim with Color Components	UA	Black
	Valino/Corinth. Vinyl (H/B S/Bench)	CJ	Tan		TORINO/RANCHERO	UB	Med. Blue
	Black	CW	White***		Ak-on/Corinth. Vinyl (L/B Bench)	UF	Ginger
	Black		Sebring B/Cloth and Corinth. Vinyl (H/B Bucket)	AA	Black	UR	Med. Green
				AB	Med. Blue	UT	Beige-Brn.
				AR	Med. Green		Balmoral B/Cloth and Corinth. Vinyl (L/B Bench)
				AT	Beige-Brn.	VA	Black
						VF	Ginger

VLY

***White Trim with Black Components

CY1414C


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Charging System

GROUP
31

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PART 31-02			
Batteries	31-02-01		
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PART 31-01 Charging System General Service

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DESCRIPTION AND OPERATION

CHARGING SYSTEM FUSE LINK

The fuse link is a short length of insulated wire integral with the engine compartment wiring harness. It is several wire gages smaller than the circuit that it protects. Production fuse links are the color of the circuit being protected by the fuse link. Service fuse links are green or black depending on

on the wire or on the terminal insulation. Color identification of the flag or connector is Red—18 Ga. wire, Orange—16 Ga. wire, or Green—14 Ga. wire. Fig. 1 shows fuse link installations.

When heavy current flows, such as when a booster battery is connected incorrectly or a short to ground occurs in the wiring harness, the fuse link burns

out and protects the alternator or wiring.

A burned out link may have bare wire ends protruding from the insulation, or it may only have expanded or bubbled insulation with illegible identification. If it is hard to determine if the link is burned out, perform a continuity test.



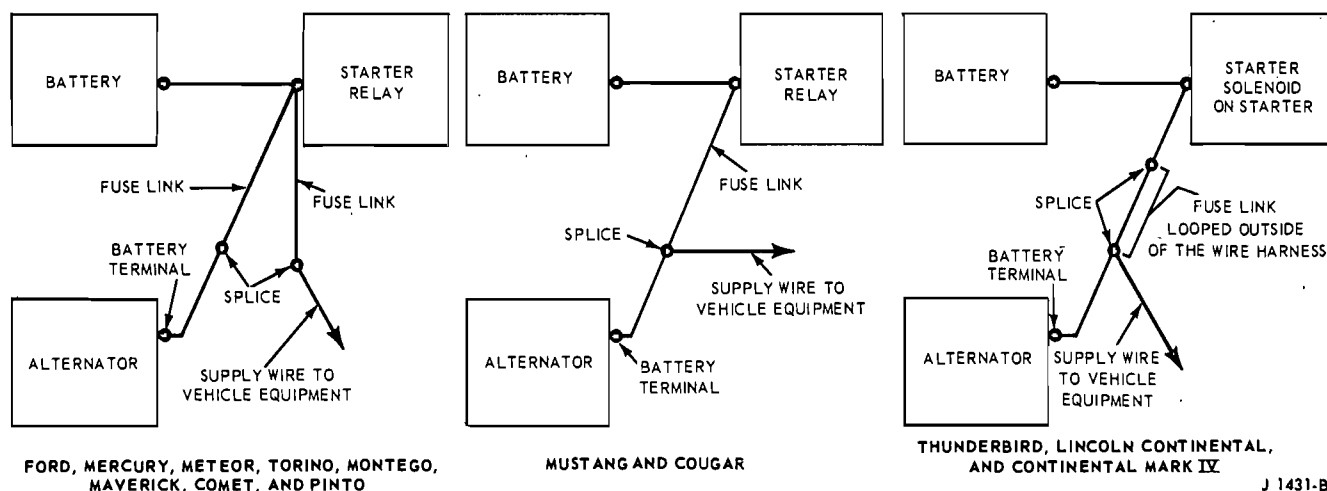


FIG. 1 Fuse Link Installation

TESTING

The alternator and alternator regulator are precision built units, and the equipment to make tests in the charging system must be accurate. Voltmeters must be accurate within 0.1 (one tenth) volt within the range of 12 to 16 volts and ammeters within one ampere at 30 to 65 amperes to permit correct measurement of the alternator and regulator. The meters on Rotunda equipment should be calibrated once a year and the date of calibration stamped on the meter face. It is recommended that this practice be followed by all technicians in order to maintain their meters at acceptable accuracy.

Where applicable, the tests are divided into On Vehicle and On Bench Test procedures. Either procedure can be followed depending on the equipment available for the tests.

Trouble shooting or diagnosis is required before actual repairs can be made in the electrical system. Even where an obvious fault makes the replacement of a unit necessary, you must still find out why the unit failed. The trouble shooting procedures given in the Electrical Systems Diagnosis Manual will aid in making a correct diagnosis. When a trouble is diagnosed correctly, unnecessary repairs are prevented, the time the vehicle is out of service will be decreased, and the repairs that are made will be permanent.

warning lamp does not come on and/or never goes out. This information will add in isolating the part of the system causing the problem.

The battery must be in proper state of charge (at least 1.200 specific gravity).

VISUAL INSPECTION

1. Check the fuse link located between the starter solenoid and the alternator. Replace the fuse link if burned.
2. Check the battery posts and battery cable terminals for clean and tight connections. Remove the battery cables (if corroded), clean and install them securely.
3. Check for clean and tight wiring connections at the alternator, regulator and engine.
4. Check the alternator belt tension and tighten to specification (if necessary).

INDICATOR LIGHT-ALTERNATOR CHARGING SYSTEM

Normal Charge Indicator

With Ignition switch off — Alternator lamp is off

With ignition switch on (engine not running) — Alternator lamp is on

With ignition switch on (engine running) — Alternator lamp is off

1. If the charge indicator lamp does not come on with the ignition key in the on position and the engine not running, check the I wiring circuit for an open circuit or burned out charge indicator lamp (ignition switch to regulator I terminal).
2. If the charge indicator light does not come on, disconnect the wiring plug connector at the regulator and connect a jumper wire from the I terminal of the regulator wiring plug

to the negative battery post cable clamp.

3. The charge indicator lamp should go on with the ignition key turned to the on position.
4. If the charge indicator bulb does not go on, check the bulb for continuity and replace (if burned out).
5. If the bulb is not burned out, an open circuit exists between the ignition switch and the regulator.

A good indication of a problem in the I wiring circuit (ignition switch to regulator I terminal) will show when the charge indicator light goes out with high engine rpm. This is caused by an open circuit in the 15 ohm resistor wire (connected in parallel with the indicator light) generally at the terminal point (either end of the resistor wire).

AMMETER-ALTERNATOR CHARGING SYSTEM

Normal Charge Indicator

With ignition switch off and no electrical load — Ammeter should show 0 or center scale.

With ignition switch on engine running — Needle deflects toward charge and returns toward center scale in two steps (fully charged battery).

With ignition switch off and headlamps on — Ammeter should show between 0 and discharge scale.

Refer to the Ford Car and Truck Diagnosis Manual for diagnosis of the alternator charging system.

TESTS USING A VOLT METER

When performing charging system tests with a voltmeter, turn OFF all lights and electrical components. Place the transmission in neutral and apply the parking brake. The battery must be charged to at least 1.200 specific gravity before starting the test.

ON VEHICLE TESTS

performing charging system

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Voltmeter Test Procedure

1. Connect the negative lead of the voltmeter to the negative battery cable clamp (not bolt or nut).
2. Connect the positive lead of the voltmeter to the positive battery cable clamp (not bolt or nut).
3. Record the battery voltage reading shown on the voltmeter scale.
4. Connect the red lead of a tachometer to the distributor terminal of the coil and the black tachometer lead to a good ground.
5. Then, start the engine and operate the engine at approximately 1500 rpm. With no other electrical load (foot off brake pedal and car doors closed), the voltmeter reading should increase 1 volt and not exceed 2 volts above the first recorded battery voltage reading. The reading should be taken when the voltmeter needle stops moving.
6. With the engine running, turn on the heater and/or air conditioner blower motor (high speed) and headlights on (high beam).
7. Increase the engine speed to 2000 rpm. The voltmeter should indicate a minimum of 0.5 volt above the first recorded battery voltage (Fig. 2).

If the above tests indicate proper voltage readings, the charging system is operating normally. Proceed to Test Results if a problem still exists.

Test Results

1. If the voltmeter reading indicates **over voltage** (more than 2.0 volts above battery voltage), stop the engine and check the ground connections between the regulator and alternator and/or regulator to engine. Clean and tighten connections securely and repeat the **Voltmeter Test Procedure**.
2. If **over voltage** condition still exists, disconnect the regulator wiring plug from the regulator and repeat the **Voltmeter Test Procedure**.
3. If **over voltage** condition disappears (voltmeter reads battery voltage), replace voltage regulator and repeat the **Voltmeter Test Procedure**.
4. If **over voltage** still exists with the regulator wiring plug disconnect, repair the short in the wiring harness between the alternator and regulator. Then, replace the regulator and connect the regulator wiring plug to the regulator and repeat the **Voltmeter Test Procedure**.

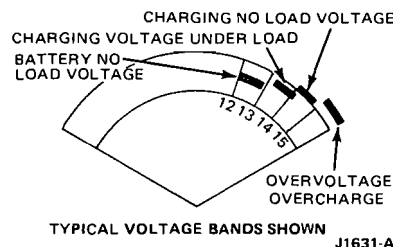


FIG. 2 Voltmeter Test Scale

Repair the wiring if no voltage is present at these terminals, and repeat the **Voltmeter Test Procedure**.

6. If the voltmeter reading does not increase one volt above battery voltage, proceed to the next step before performing field circuit tests.
7. Before performing other tests, the field circuit (regulator plug to alternator) must be checked for a grounding condition. If the field circuit is grounded and the jumper wire used as a check at the regulator wiring plug from the A to F terminals (Fig. 3), excessive current will cause heat damage to the regulator wiring plug terminals and may burn the jumper wire (Fig. 3). Also, if the field circuit was grounded, the connector wire inside the regulator will be burned open and an under voltage condition will result.
8. The field circuit should be checked with the regulator wiring plug disconnected and an ohmmeter connected from the F terminal of the regulator wiring plug to the battery ground. The ohmmeter

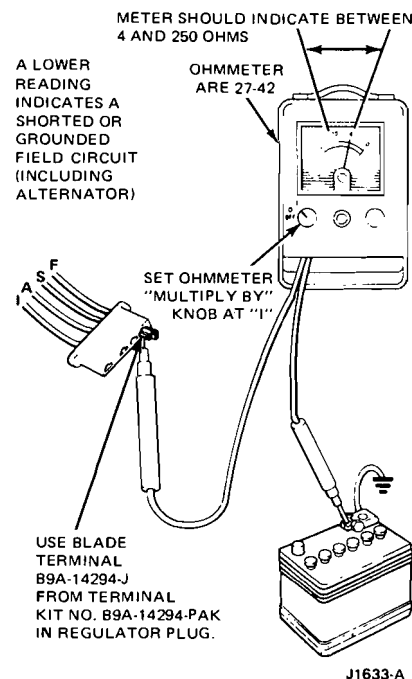


FIG. 4 Field Circuit Test

should indicate between 4 and 250 ohms (Fig. 4).

9. A check for the regulator burned-open wire is made by connecting an ohmmeter from the I to F terminals of the regulator (Fig. 5). The reading should indicate 0 (no resistance). If the reading indicates approximately 10 ohms, the connector wire inside the regulator is open. The field circuit grounded condition must be found and repaired before installing new regulator.

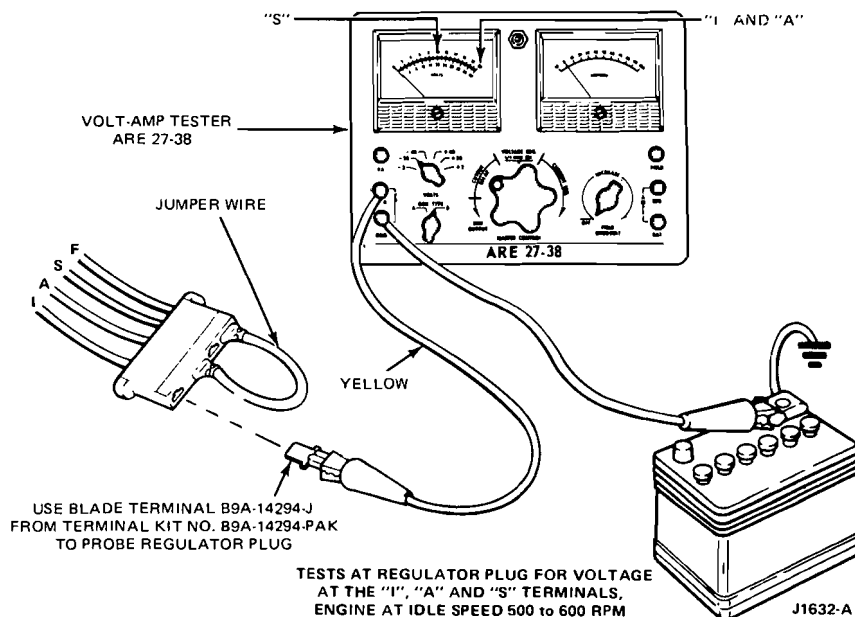


FIG. 3 Regulator Plug Voltage Tests

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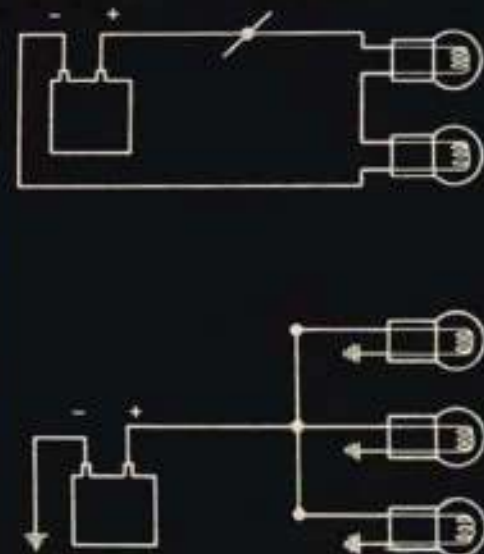


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NATIONAL SERVICE OFFICE
FORD DIVISION



FIRST PRINTING — JANUARY, 1968

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DEARBORN, MICHIGAN

INTRODUCTION

The Why and Wherefore of Wiring Diagrams

To the uninformed, a wiring diagram — or a wiring assembly — looks like it might take a genius to figure out.

Not so — as you'll find out when you get better acquainted with these subjects.

There're as understandable and logical as a road map and road markers, when you're finding your way on a cross-country drive.

The ability to read a wiring diagram and relate it to a vehicle's wiring system is, of course, an essential part of a modern service technician's skill. And it's growing in relative importance, too, due to owner's increasing demands for the comforts and conveniences supplied by electrically-operated options and accessories. This opens up greater opportunities, for the forward-looking technician.

The Purpose of this Booklet . . .

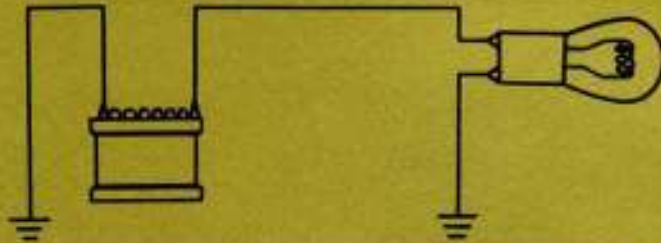
. . . is to acquaint you with the systems by which electrical circuits are traced on vehicles. Specifically, it is designed to help you acquire the ability to make your own power checks, quickly and accurately.

Scope of the Booklet

Basically, this is a printed version of the film, "How to Read a Wiring Diagram." It is in no sense a manual of the shop methods by which electrical repairs are made.

It *can* be a helpful guide that can introduce you to the principles of wiring diagrams and vehicle wiring. As you gain experience in reading wiring diagrams, you'll accumulate your own know-how in this important skill. When it becomes "second nature" to you, these pages will have served their purpose — and yours.





To show how to read wiring diagrams — and to explain how they can be used to help you troubleshoot problems in the electrical system — is what this booklet is all about. Obviously, these are important subjects.

A LOGICAL APPROACH TO ELECTRICAL DIAGNOSIS



If a customer comes in because his headlights aren't working, you can't just make a snap decision. That's not the *professional way*.



When you go to a doctor, for example, he tries to find out what's *really* wrong with you. He looks beyond the aches and pains you feel, to see what's *causing* the trouble. We call this, *diagnosis*.



Troubleshooting an electrical system calls for diagnosis, too — *Your* diagnosis. *You're* the doctor. You must find out what's causing the trouble, and fix it.



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