

# Colorized

# Mustang Wiring & Vacuum Diagrams

*(with Electrical Illustrations)*

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Ford Training  
Course 13001, Vol 68 S7  
"How to Read Wiring  
Diagrams"  
Included!

A consolidated collection of original Ford  
electrical & vacuum diagrams with illustrations

## Color diagrams for:

- Convenience System; Exterior Lights; Interior Lights;
- Heater and Air Conditioner
- Horns; Convertible Top
- Ignition, Starting and Charging
- Heated Backlite, Cigar Lighter, Clock, Power Windows;
- Radio AM, FM and Stereo
- Tape; Windshield Wiper and Washer; Intermittent Wipers;
- Key Warning Buzzer; Mustang Emission Control

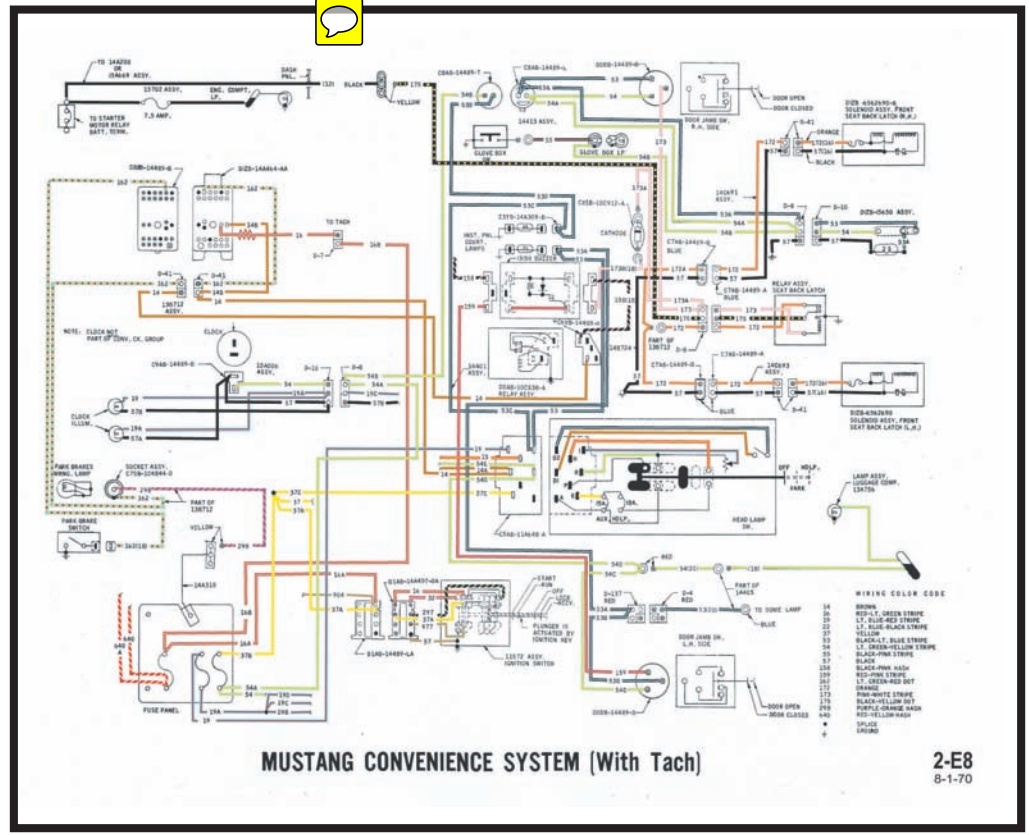
...and much more!!

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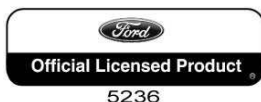
Example of colorized diagrams

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1971 Colorized Mustang Wiring and Vacuum Diagrams  
(Extracted from Form FD-7795P-71, Form 7098-71-3, FP-7635B, and FD-7943-G)

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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: *1971 Wiring and Vacuum Diagrams* (Form FD-7795P-71), *1965/1972 Ford Car Master Parts and Accessory Catalog* (Form FP-7635B), *1971 Car Shop Manual* (Volume III, FORM 7098-71-3), and *How to Read Wiring Diagrams* (FD-7943-G, January 1968).

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## ATTENTION

### Please Read This



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 because the color code on the page diagram does 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.

#### *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 Code Chart lists:

**38 – Black-Orange Stripe**

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 Form 7795P-71

1971

COURSE 13003 and 1703

**WIRING and VACUUM  
DIAGRAMS**



**SERVICE  
TRAINING**

FORM 7795P-71

# 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
- Maverick and Comet
- Mustang and Cougar
- Torino
- Montego
- Ford and Meteor
- Mercury
- Thunderbird
- Mark III
- Lincoln
- Bronco, Econoline and P-Series
- B and F-100-750 Series
- C and CT-Series
- W-Series
- L-Series



The illustrations contained in this book were in effect at the time the book was approved for printing. Ford Motor Companies, 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

Two styles of wiring diagrams are contained in this book.

I – Cars (Except Mustang, Cougar and Lincoln) and L-Series Truck.

II – Mustang, Cougar, Lincoln and Truck (Except L-Series)

## I – CARS (Except Mustang, Cougar and Lincoln) AND L-SERIES TRUCKS

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
- Locate inoperative system
- 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 "Back Up Lights Don't Work" the first thing we should do is verify the complaint.

If both lights do not work, 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 LAMPS – BACK-UP 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 Back-up lights are located at B-27. To locate B-27 on the schematic, find the number 27 at the top of the illustration.

Now, find the letter B 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 Fig. 2. Wiring Color Codes are listed at the bottom of the drawing. New Standard Wiring Color Codes are listed behind these instructions.

140B

Fig. 2 — Wire Color Code

## 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 this schematic for your convenience.

## II – MUSTANG, COUGAR, LINCOLN AND TRUCKS (Except L-Series)

The index page is the first page in each section. Each electrical schematic will have a notation as to the source of power for that system. All wires will be shown as single lines to provide a clear understanding of the diagrams. To trace a circuit, it is recommended to start at the ground circuit of the inoperative component, trace it through all connectors to the source, and note the possible trouble areas and points of most convenient access. Wire connectors will be identified on the schematic and the pictorial drawings, this will show the technician the location of the connectors. Most wire connectors are shown in open book fashion. A wire on the top right of a connector (open side by side) will be on the top left side of the other half of the connector. See Figure 9 (Wire No. 140 to No. 140A, etc.)

Wire disconnects and connectors will all be black unless a color code is noted on the diagram. The colored disconnects and connectors are to aid the technician in finding the proper circuit to be tested or traced. Pictorial drawings of a component will include the specific location of some components in cases where it is difficult to determine if the component is under the instrument panel or in the engine compartment.

Relays and switches are shown in the "System Off" position. 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.

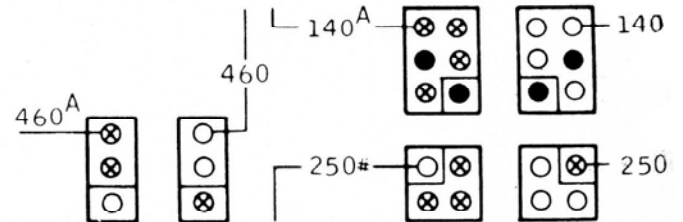


Fig. 9 – Connectors

# CAR STANDARD WIRE COLOR CODE CHART

## (1 OF 3)

### CIRCUITS IN CURRENT USE

CIRCUIT	DESCRIPTION	COLOR NO.	BASE	STRIPE	WIRE	DUT	CIRCUIT
1	HORN SWITCH CONTROL	69	DK BLUE				1*
2	RH FRONT TURN SIGNAL LAMP	55	WHITE	LT BLUE			2
3	LH FRONT TURN SIGNAL LAMP	39	LT GREEN	WHITE			3
4	ALTERNATOR REG. "S" TERM. TO ALTERNATOR "S" TERM	51	WHITE	BLACK			4
5	RH REAR TURN SIGNAL LAMP	25	ORANGE	LT BLUE			5
6	HORN RELAY TO HORN	138	YELLOW		LT GREEN	YELLOW	6
7	SEAT SWITCH ARM TERM TO RELAY FIELD TERM	232	LT GREEN				7
8	TURN SIGNAL FLASHER FEED	23	ORANGE	YELLOW			8
9	LH REAR TURN SIGNAL LAMP	36	LT GREEN	ORANGE			9
10	STOP LAMP SWITCH FEED	147	LT GREEN		RED		10
12	HEADLAMP DIMMER SWITCH TO HIGH BEAMS	34	LT GREEN	BLACK			12
13	HEADLAMP DIMMER SWITCH TO LOW BEAMS	14	RED	BLACK			13
14	HEADLAMP SWITCH TO TAIL LAMPS AND SIDE MARKER LAMPS	7	BROWN				14*
15	HEADLAMP SWITCH TO HEADLAMP DIMMER SWITCH	16	RED	YELLOW			15
16	IGNITION SWITCH TO IGNITION COIL "BATT." TERMINAL	17	RED	LT GREEN			16
17	LOW OIL PRESSURE WARNING LAMP TO LOW OIL PRESS. SENDING UNIT	58	WHITE				17
18	SEAT SWITCH TO RELAY FIELD TERM	215	ORANGE			YELLOW	18
19	INSTRUMENT PANEL LAMPS FEED	42	LT BLUE	RED			19
22	BRAKE FEED	41	LT BLUE	BLACK			22
28	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	181	BLACK			PINK	28
29	FUEL GAGE TO FUEL GAGE SENDER	32	YELLOW	WHITE			29
30	CONSTANT VOLTAGE UNIT AND INDICATOR LAMPS FEED	4	BLACK	LT GREEN			30
31	OIL PRESSURE INDICATOR TO OIL PRESSURE SENDING UNIT	52	WHITE	RED			31
32	STARTER CONTROL	18	RED	LT BLUE			32
37	ALTERNATOR REGULATOR "F" TERM. TO ALTERNATOR	25	ORANGE	LT BLUE			37
38	ALTERNATOR OUTPUT	223	YELLOW			WHITE	38
39	BATTERY TO LOAD	27	YELLOW				39*
39	POWER SUPPLY TO BATTERY	2	BLACK	ORANGE			39
39	TEMP. GAGE TO TEMP. SENDING UNIT	19	RED	WHITE			39
40	CIGAR LIGHTER FEED	45	LT BLUE	WHITE			40
41	WARNING LAMP FEED	103	BLACK		LT BLUE		41
42	SWITCH TO WARNING LAMP	206	RED			WHITE	42
43	LOW AIR BUZZER FEED	134	ORANGE		LT BLUE		43
44	TURN SIGNAL FLASHER TO TURN SIGNAL SWITCH	40	LT BLUE				44
45	HOT WATER TEMP. RELAY TO HOT WATER TEMP. SENDING UNIT	29	YELLOW	RED			45
48	BLIND CIRCUIT TERM IN HARNESS CANNOT BE CHECKED FOR CONT (COLOR OPT)	264	BLACK			WHITE	48*
51	SEAT REG. CONTROL SWITCH FEED	186	BLACK				51
53	COURTESY LAMP SWITCH TO COURTESY LAMP	5	BLACK	LT BLUE			53
54	INTERIOR LAMP SWITCH FEED	37	LT GREEN	YELLOW			54
59	CARGO LAMP SW. TO CARGO LAMP	61	BLACK	PINK			59
59	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	70	DK BLUE	ORANGE			59*
57	GROUND CIRCUIT	1	BLACK				57
59	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	50	WHITE			LT GREEN	59
60	CONSTANT VOLTAGE UNIT TO GAGE	184	BLACK				60
61	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	29	YELLOW	RED			61
63	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	13	RED				63
63	WINDSHIELD WIPER SW. TO WINDSHIELD WIPER MOTOR	64	DK GREEN				63
66	AIR SHIFT SWITCH TO INDICATOR LAMP	40	LT BLUE				66
66	COIL TERM. IGN. SW. TO FUEL SOLENOID	118	RED		PINK		66
73	LOW AIR BUZZER TO LOW AIR BUZZER SWITCH	133	ORANGE		LT GREEN		73
74	RELAY TERMINAL TO LAMP (WATER)	33	LT GREEN				74
75	STARTING MOTOR RELAY TO SERIES PARALLEL SW. (#1 TERM)	159	LT GREEN		PURPLE		75
80	ENGINE COMPARTMENT LAMP FEED	182	BLACK			ORANGE	80
84	LECK LID SOLENOID FEED	163	PURPLE		YELLOW		84
88	INSTRUMENT PANEL LAMP SWITCH FEED	6	BLACK	WHITE			88
89	GLOW PLUG TO GLOW PLUG SWITCH	24	ORANGE	LT GREEN			89
102	OVERDRIVE KICKDOWN SWITCH TO OVERDRIVE GOVERNOR	58	WHITE			RED	102
104	OVERDRIVE KICKDOWN SW. TO IGN. COIL	297	WHITE				104
104	OVERDRIVE KICKDOWN SW. TO OVERDRIVE SOLENOID	43	LT BLUE	ORANGE			104
109	OVERDRIVE KICKDOWN SWITCH TO OVERDRIVE RELAY	203	RED			YELLOW	109
109	OVERDRIVE SOLENOID TO OVERDRIVE RELAY	40	LT BLUE				109
111	WARNING LAMP TO LIGHTS ON RELAY	3	BLACK	YELLOW			111
112	WARNING LAMP RELAY FEED	183	BLACK			YELLOW	112
113	STARTING MOTOR TO STARTING MOTOR RELAY	222	YELLOW			LT BLUE	113
114	FEED TO VACUUM DOOR LOCK SWITCH	113	TAN				114
117	VACUUM DOOR LOCK SWITCH TO SOLENOID (LOCK)	33	LT GREEN		YELLOW		117
116	VACUUM DOOR LOCK SWITCH TO SOLENOID (UNLOCK)	188	BROWN			ORANGE	116
117	DOOR LOCK MOTOR (LOCK)	207	PINK			BLACK	117
118	DOOR LOCK MOTOR (UNLOCK)	208	PINK			ORANGE	118
119	DOOR LOCK SWITCH (LOCK)	209	PINK			YELLOW	119
120	DOOR LOCK SWITCH (UNLOCK)	210	PINK			LT GREEN	120
122	TOP CONTROL SWITCH TO TOP CONT. MOTOR OR RELAY	27	YELLOW				122
123	TOP CONTROL SWITCH TO TOP CONT. MOTOR OR RELAY	13	RED				123
129	MAP LAMP SWITCH TO MAP LAMP	9	BROWN	YELLOW			129
126	COURTESY LAMP SW. TO INSTR. PANEL COURTESY LAMP	182	BLACK			ORANGE	126
127	COURTESY LAMP SW. TO "C" PILLAR LAMPS	185	BLACK			LT BLUE	127
129	GLOW PLUG SWITCH FEED	33	LT GREEN				129
131	CIGAR LIGHTER LAMP FEED	60	PURPLE	ORANGE			131
133	RELAY TO MAP LAMP SWITCH	111	TAN		RED		133
137	RADIO # ANTENNA SWITCH FEED	136	YELLOW		BLACK		137
138	DOOR JAMB SWITCH TO LIGHTS ON RELAY	11	BROWN	LT BLUE			138
140	BACK UP LAMP	61	BLACK	PINK			140
141	TWO OR THREE SPEED AXLE SWITCH TO TWO OR THREE SPEED AXLE MOTOR	181	BLACK			PINK	141
142	TWO OR THREE SPEED AXLE SWITCH FEED	142	DK GREEN		YELLOW		142
143	TWO OR THREE SPEED AXLE SWITCH TO TWO OR THREE SPEED AXLE MOTOR	13	RED				143
151	SPEED CONTROL ON-OFF SWITCH TO AMPLIFIER	156	LT BLUE			BLACK	151
153	STARTING MOTOR RELAY TO FLASHER	19	RED	WHITE			153
158	KEY WARNING SWITCH TO BUZZER	98	BLACK		PINK		158
159	DOOR JAMB SWITCH TO BUZZER	63	RED		PINK		159
160	BUZZER TO WARNING INDICATOR RELAY	88	WHITE	PINK			160
162	EMERG. BRAKE WARNING LAMP TO EMERG. BRAKE SWITCH	230	LT GREEN			RED	162
170	WINDOW REGULATOR SWITCH FEED	205	RED			LT BLUE	170
171	CIRCUIT BREAKER TO SEAT LATCH RELAY	4	BLACK	WHITE			171
172	RELAY TO SEAT LATCH SOLENOID	28	ORANGE				172
173	DOOR SWITCH TO SEAT LATCH RELAY (COIL TERM.)	85	PINK	WHITE			173
175	TOP CONTROL SWITCH OR RELAY FEED	183	BLACK			YELLOW	175
176	REAR WINDOW REGULATOR SWITCH FEED	90	WHITE				176
177	HORIZONTAL SEAT REG. MOTOR TO RELAY	27	YELLOW				177
180	HORIZONTAL SEAT REG. MOTOR TO RELAY	13	RED				180
181	FLOWER MOTOR FEED	8	BROWN	ORANGE			181
182	THERMOSTAT SWITCH FEED	17	BROWN	WHITE			182
184	AIR COND SW (LO) TO AIR COND BLOWER MOTOR	112	TAN		ORANGE		184
186	DEFOGGER SW. TO DEFOGGER MOTOR	108	BROWN		LT BLUE		186
188	CIRCUIT BRKR. TO HEADLAMP SW. "BATT." TERM.	1	BLACK				188
191	DEFOGGER SW. TO DEFOGGER MOTOR	71	DK BLUE	YELLOW			191
193	WINDOW REGULATOR RELAY FEED	138	YELLOW		LT GREEN		193
194	WINDOW REG RELAY ACQY FEED	79	PINK				194
196	COOLANT FAN CONTROL RELAY FEED	194	TAN			RED	196
197	COOLANT TEMPERATURE SWITCH TO CONTROL RELAY	195	TAN			ORANGE	197
198	A/C PRESSURE SWITCH TO CONTROL RELAY	196	TAN			YELLOW	198
199	CONTROL RELAY TO IGNITION RELAY	197	TAN			LT GREEN	199
200	IGNITION RELAY TO COOLANT FAN	198	TAN			LT BLUE	200
*206	GROUND RETURN TO TOWING VEHICLE	58	WHITE				206*
*207	MARKER LAMP SWITCH TO MARKER LAMPS	1	BLACK				207*
*212	AUXILIARY CIRCUIT FEED TO TRACTOR TRAILER PLUG	69	DK BLUE				212*



# CAR STANDARD WIRE COLOR CODE CHART

## (2 OF 3)

CIRCUITS IN CURRENT USE  
\*\*\*\*\*

CIRCUIT

CIRCUIT	COLOR NO.	BASE	STRIPE	WASH	DUT	CIRCUIT
213	219	YELLOW				215
226	13	RED			BLACK	226
227	27	YELLOW				227
241	44	LT BLUE	YELLOW			241
243	149	LT GREEN		ORANGE		243
244	149	YELLOW		WHITE		244
245	10	BROWN	LT GREEN			245
246	46	PURPLE				246
247	89	WHITE	YELLOW			247
248	139	YELLOW		LT BLUE		248
249	57	DK BLUE	LT GREEN			249
250	26	ORANGE				250
253	13	RED				253
254	1	BLACK				254
255	157	LT BLUE		RED		255
260	119	RED		ORANGE		260
261	21	ORANGE	BLACK			261
262	62	BROWN	PINK			262
269	159	BLACK		ORANGE		269
282	64	DK GREEN				282
283	28	YELLOW	BLACK			283
284	13	RED				284
287	103	BLACK		WHITE		287
296	56	WHITE	PURPLE			296
297	101	BLACK		LT GREEN		297
298	162	PURPLE		ORANGE		298
306	40	LT BLUE				306
307	50	WHITE				307
313	28	YELLOW	BLACK			313
314	14	RED	BLACK			314
316	31	YELLOW	LT BLUE			316
317	122	RED		LT BLUE		317
319	136	YELLOW		BLACK		319
320	117	RED		BLACK		320
328	203	RED			YELLOW	328
329	20	YELLOW	RED			329
333	16	BLACK	YELLOW			333
334	100	BLACK		YELLOW		334
347	150	LT GREEN		PURPLE		347
348	4	BLACK	LT GREEN			348
364	157	LT BLUE		RED		364
365	117	RED		BLACK		365
366	228	DK GREEN			WHITE	366
367	109	BROWN				367
369	129	PINK		WHITE		369
371	221	YELLOW			LT GREEN	371
372	109	BROWN		WHITE		372
379	47	PURPLE	YELLOW			379
380	24	ORANGE	WHITE			380
381	123	RED		WHITE		381
383	174	WHITE		RED		383
385	33	LT GREEN				385
387	9	BROWN	YELLOW			387
399	259	LT BLUE			BLACK	399
400	73	GRAY	BLACK			400
401	74	GRAY	RED			401
402	78	GRAY	WHITE			402
403	86	PURPLE	LT GREEN			403
404	87	PURPLE	LT BLUE			404
405	90	TAN				405
406						406
407	91	TAN	BLACK			407
408	92	TAN	RED			408
409	193	TAN			BLACK	409
442	36	LT GREEN	ORANGE			442
443	35	LT GREEN	RED			443
444	34	ORANGE	BLACK			444
445	25	ORANGE	LT BLUE			445
446	26	ORANGE	WHITE			446
447	22	ORANGE	RED			447
450	67	DK GREEN	LT GREEN			450
454	17	RED	LT GREEN			454
455	140	LT GREEN		YELLOW		455
458	130	ORANGE		BLACK		458
459	24	ORANGE	LT GREEN			459
460	222	YELLOW			LT BLUE	460
469	33	LT GREEN				469
474	98	PINK	BLACK			474
475	145	DK GREEN		WHITE		475
478	93	TAN				478
480	104	BROWN	ORANGE			480
482	192	BROWN		PINK		482
483	81	PINK	ORANGE			483
484	114	TAN		LT GREEN		484
487	46	PURPLE				487
494	49	GRAY				494
500	40	LT BLUE				500
502	155	DK BLUE		WHITE		502
503	1	BLACK				503
504	27	YELLOW				504
505	50	WHITE				505
507	94	TAN				507
508	33	LT GREEN	YELLOW			508
509	22	ORANGE				509
511	6	BLACK	WHITE			511
512	50	WHITE				512
519	166	PURPLE		WHITE		519
520	6	BLACK	WHITE			520
526	13	RED				526
527	184	BLACK			LT GREEN	527
530	35	LT GREEN				530
536	103	BLACK		WHITE		536
537	28	ORANGE				537
538	72	DK BLUE				538
539	2	ORANGE	WHITE			539
541	161	LT BLUE		WHITE		541
542	27	YELLOW				542
543	182	BLACK			ORANGE	543
547	13	RED				547
548	82	PINK	YELLOW			548
549	58	LT BLUE		PINK		549
550	121	RED			LT GREEN	550
551	131	ORANGE		RED		551
552	126	PINK		YELLOW		552
553	99	BLACK		ORANGE		553
554	1	BLACK				554
555	13	RED				555
556	40	LT BLUE				556
557	34	LT GREEN				557
558	120	RED		YELLOW		558
559	54	WHITE	LT GREEN			559
407						407
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559						559

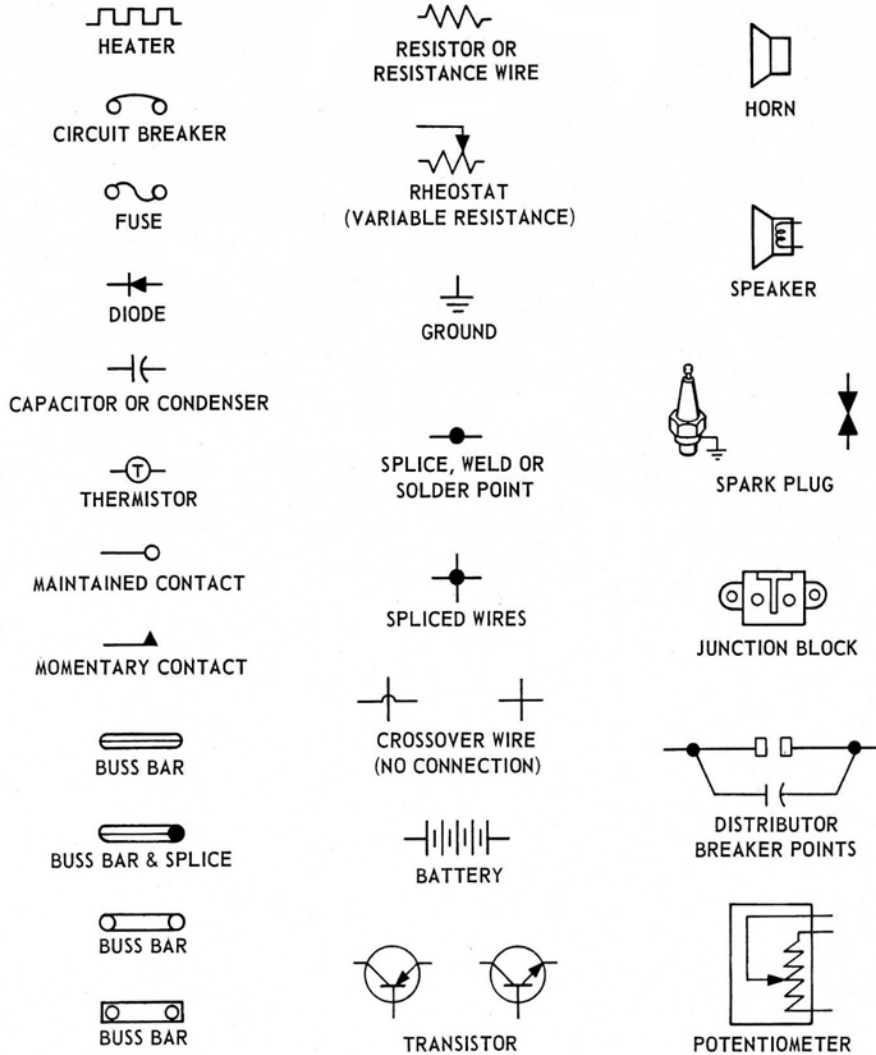
# CAR STANDARD WIRE COLOR CODE CHART

## (3 OF 3)

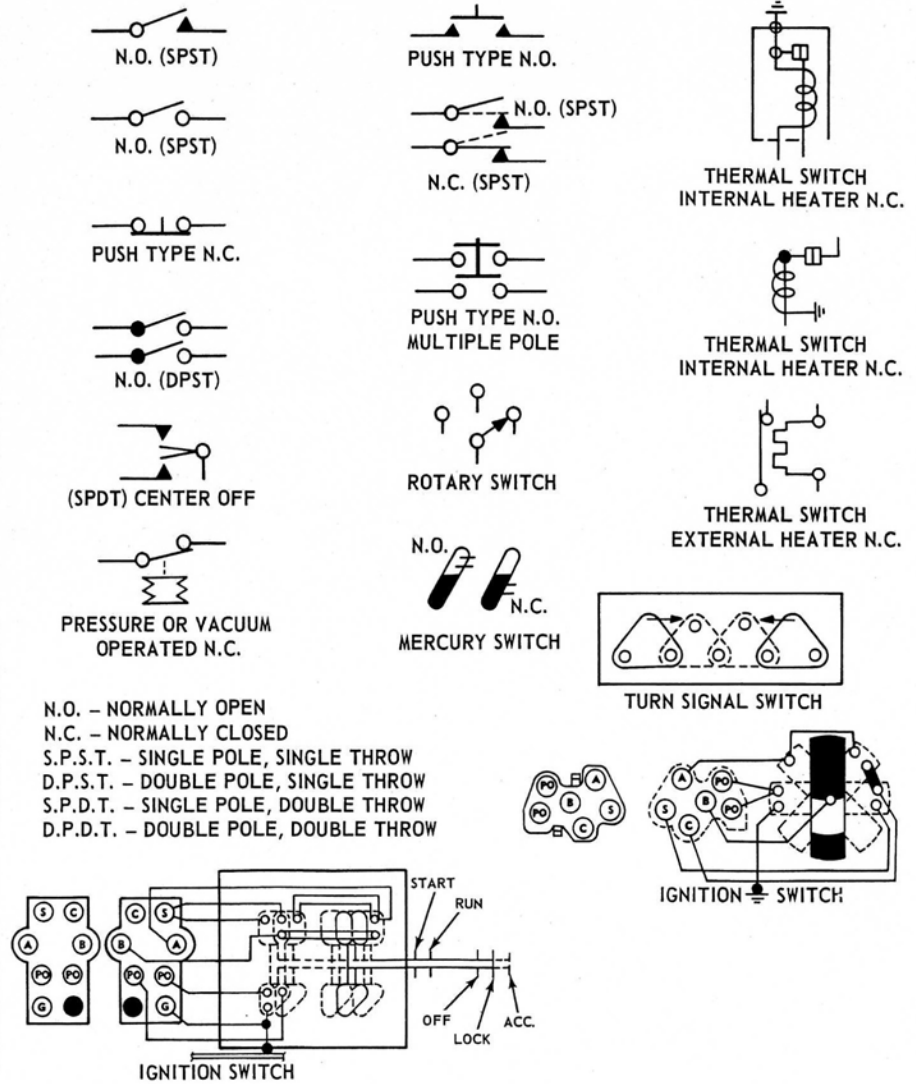
CIRCUITS IN CURRENT USE  
\*\*\*\*\*

CIRCUIT	COLOR NO.	BASE	STRIPE	WASH	DUT	CIRCUIT
647	200	RED			BLACK	647
648	205	RED			LT BLUE	648
654	30	YELLOW	LT GREEN			654
655	15	RED	ORANGE			655
660	221	YELLOW			LT GREEN	660
671	50	WHITE				671
672	109	BROWN		WHITE		672
673	35	LT GREEN				673
674	35	BROWN	WHITE			674
675	35	LT GREEN	RED			675
683	187	BROWN			PINK	683
684	6	BLACK	WHITE			684
686	75	GRAY	ORANGE			686
687	76	GRAY	YELLOW			687
688	77	GRAY	LT BLUE			688
697	21	ORANGE	BLACK			697
745	113	RED		PINK		745
746	66	DK GREEN	YELLOW			746
751	155	DK BLUE		WHITE		751
752	220	YELLOW			RED	752
753	20	YELLOW	RED			753
754	191	LT GREEN		WHITE		754
755	12	BROWN	WHITE			755
756	201	RED			PINK	756
757	19	RED	WHITE			757
758	240	PURPLE			WHITE	758
761	54	WHITE	LT GREEN			761
765	149	LT GREEN		YELLOW		765
766	204	RED			LT GREEN	766
767	43	LT BLUE	ORANGE			767
768	149	LT GREEN		YELLOW		768
769	160	LT BLUE		YELLOW		769
773	141	DK GREEN		ORANGE		773
775	89	WHITE	PINK			775
776	213	ORANGE			BLACK	776
780	13	RED				780
787	124	PINK		BLACK		787
788	202	RED			ORANGE	788
790	53	WHITE	ORANGE			790
797	38	LT GREEN	PURPLE			797
804	133	ORANGE		LT GREEN		804
805	178	WHITE		LT GREEN		805
806	84	PINK	LT BLUE			806
807	84	PINK	LT GREEN			807
808	8	BROWN	ORANGE			808
810	121	RED		LT GREEN		810
817	115	TAN		LT BLUE		817
818	116	TAN		WHITE		818
822	184	BLACK			LT GREEN	822
823	33	LT GREEN				823
848	202	RED			ORANGE	848
850	244	LT BLUE			WHITE	850
851	33	LT GREEN				851
852	154	LT BLUE		PINK		852
853	119	RED		ORANGE		853
854	106	BROWN		YELLOW		854
858	125	PINK		ORANGE		858
859	27	YELLOW				859
860	48	PURPLE		WHITE		860
861	45	LT BLUE	WHITE			861
865	3	BLACK	YELLOW			865
869	37	LT GREEN	YELLOW			869
870	13	RED				870
883	129	PINK		LT BLUE		883
904	35	LT GREEN	RED			904
914	69	DK GREEN	ORANGE			914
917	127	PINK		LT GREEN		917
920	177	WHITE		YELLOW		920
923	46	PURPLE				923
924	13	RED				924
924	13	RED				924
925	53	WHITE	ORANGE			925
934	97	TAN	WHITE			934
939	110	TAN		BLACK		939
941	6	BLACK	WHITE			941
943	144	DK GREEN		PURPLE		943
946	164	PURPLE		LT GREEN		946
950	91	WHITE				950
955	15	RED	BLACK			955
955	15	RED	ORANGE			955
956	36	LT GREEN	ORANGE			956
960	203	RED			YELLOW	960
962	204	RED			LT GREEN	962
963	143	DK GREEN		LT GREEN		963
975	117	RED		BLACK		975
976	184	BLACK			LT GREEN	976
977	43	PURPLE	WHITE			977
978	31	YELLOW	LT BLUE			978
979	19	RED	LT BLUE			979
980	32	YELLOW	WHITE			980
981	19	RED	WHITE			981
982	30	YELLOW	LT GREEN			982
983	17	RED	LT GREEN			983
984	222	YELLOW			LT BLUE	984
985	205	RED			LT BLUE	985
986	225	YELLOW			WHITE	986
987	206	RED			WHITE	987
988	221	YELLOW			LT GREEN	988
989	204	RED			LT GREEN	989
993	12	BROWN	WHITE			993

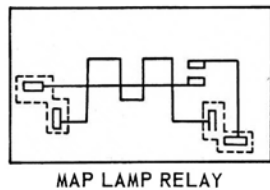
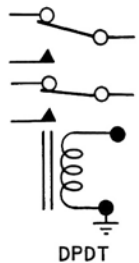
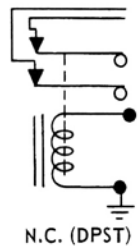
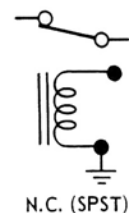
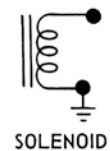
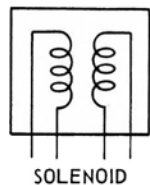
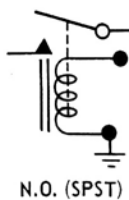
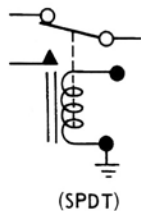
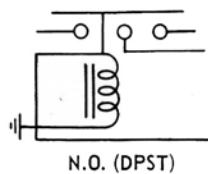
## CIRCUIT SYMBOLS



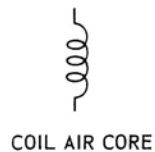
## SWITCHES



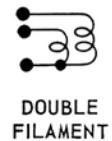
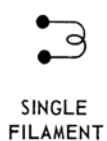
## RELAYS



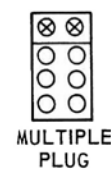
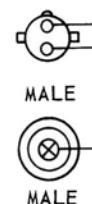
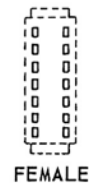
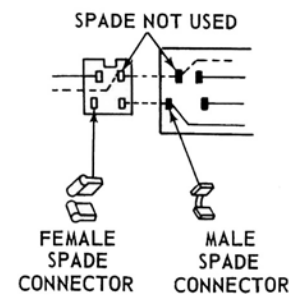
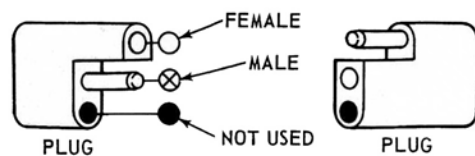
N.O. - NORMALLY OPEN  
 N.C. - NORMALLY CLOSED  
 S.P.S.T. - SINGLE POLE, SINGLE THROW  
 D.P.S.T. - DOUBLE POLE, SINGLE THROW  
 S.P.D.T. - SINGLE POLE, DOUBLE THROW  
 D.P.D.T. - DOUBLE POLE, DOUBLE THROW



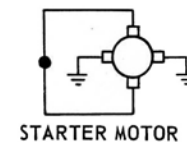
## LAMPS



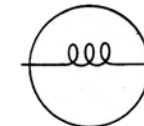
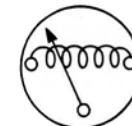
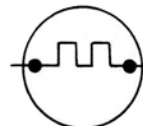
## CONNECTORS



## MOTORS



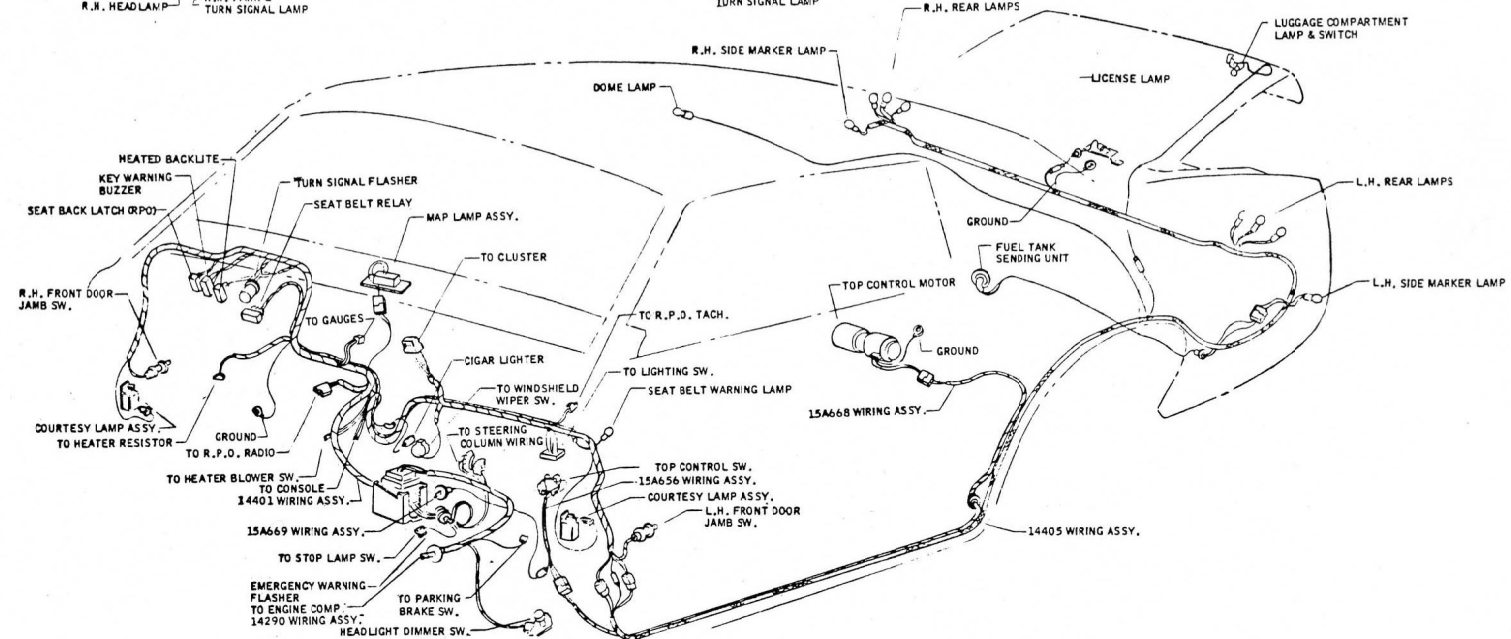
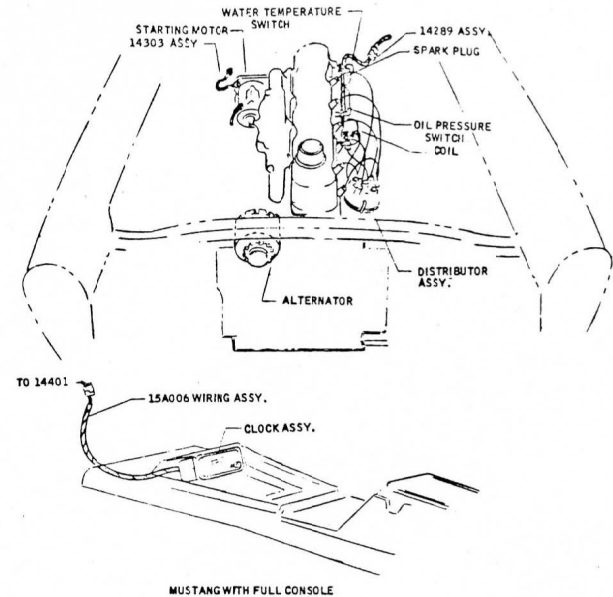
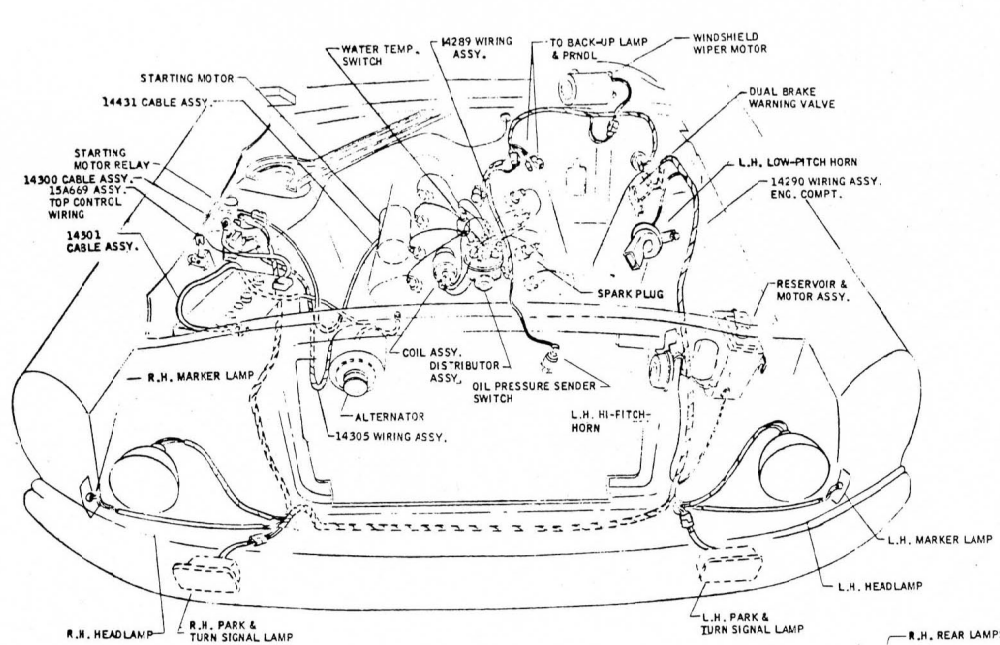
## GAUGES



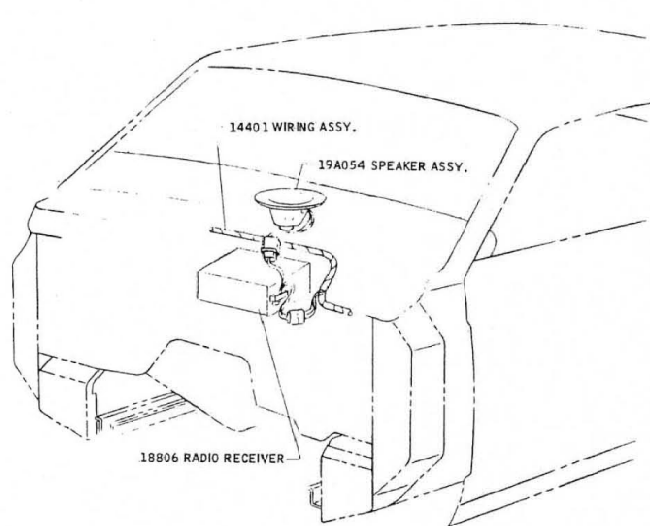
# 1971 MUSTANG AND COUGAR ELECTRICAL DRAWINGS

## SECTION 2 INDEX

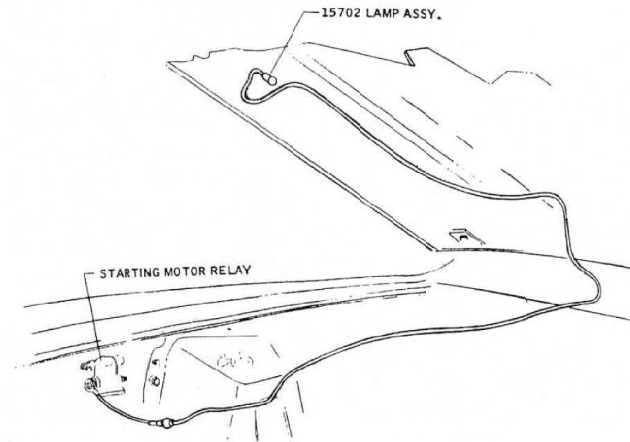
	PICTORIAL	SCHEMATIC		PICTORIAL	SCHEMATIC		PICTORIAL	SCHEMATIC
<b>AIR CONDITIONER</b>								
Mustang & Cougar	2-E5	2-E28						
<b>CHARGING</b>								
Mustang	2-E2	2-E10 & 11						
Cougar	2-E3	2-E10 & 11						
Cougar XR7	2-E3	2-E12 & 13						
<b>CIGAR LIGHTER</b>								
Mustang	2-E2	2-E22						
Cougar	2-E3	2-E22						
<b>CLOCK</b>								
Mustang	2-E5	2-E22						
Cougar	2-E4	2-E23						
<b>CONVENIENCE SYSTEMS</b>								
Mustang		2-E8						
Cougar		2-E14						
<b>CONVERTIBLE TOP</b>								
Mustang & Cougar	2-E2 & 3	2-E19						
<b>EMISSION CONTROL</b>								
Mustang 6 Cyl. Auto. Trans.		2-E34						
<b>EXTERIOR LIGHTS</b>								
Mustang	2-E2	2-E16 & 17						
Cougar	2-E3	2-E18 & 20						
Mach I		2-E15						
<b>GAUGES</b>								
Mustang	2-E5	2-E11						
Cougar	2-E5	2-E13						
Cougar XR7	2-E5	2-E14						
<b>HEADLAMP "ON" WARNING BUZZER</b>		2-E29						
<b>HEATED BACKLITE</b>								
Mustang		2-E6						
Cougar		2-E33						
<b>HEATER AND DEFROSTER</b>								
Mustang & Cougar	2-E2 & 3	2-E28						
<b>HORNS</b>								
Mustang & Cougar	2-E2 & 3	2-E34						
<b>KEY WARNING BUZZER</b>		2-E30						
<b>IGNITION</b>								
Mustang	2-E2	2-E10 & 11						
Cougar	2-E3	2-E12 & 13						
<b>INTERIOR LIGHTS</b>								
Mustang	2-E2	2-E22						
Cougar	2-E3	2-E23						
Cougar XR7	2-E3	2-E24						
<b>PARKING BRAKE WARNING LIGHT</b>		2-E9 & 13						
<b>POWER SEAT</b>								
Cougar		2-E25						
<b>POWER WINDOWS</b>								
Mustang & Cougar	2-E4	2-E32						
<b>RADIO AND STEREO TAPE</b>								
Mustang & Cougar	2-E4 & 5	2-E31						
<b>SEAT BACK LATCH</b>		2-E7 & 8						
<b>SEAT BELT REMINDER LIGHTS</b>								
Mustang & Cougar	2-E2 & 3	E9 & E13						
<b>STARTING</b>								
Mustang	2-E2	2-E11						
Cougar	2-E3	2-E12						
Cougar XR-7	2-E3	2-E13						
<b>TACHOMETER</b>								
Mustang & Cougar	2-E5	2-E11 & 13						
<b>TURN SIGNALS</b>								
Mustang	2-E2	2-E16 & 17						
Cougar	2-E3	2-E20 & 21						
<b>WINDSHIELD WIPERS AND WASHERS</b>								
Mustang & Cougar	2-E2 & 3	2-E26						
Mustang & Cougar (Intermittent)		2-E27						



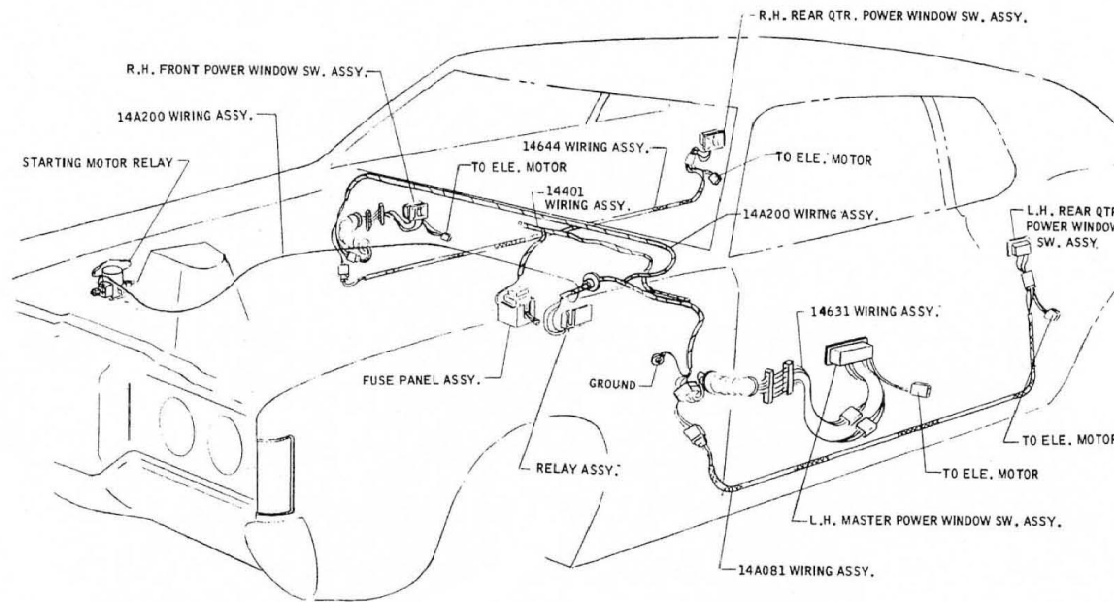
**MUSTANG OVERALL VIEW PICTORIAL**



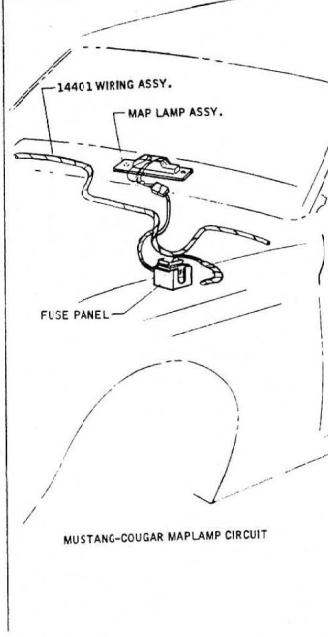
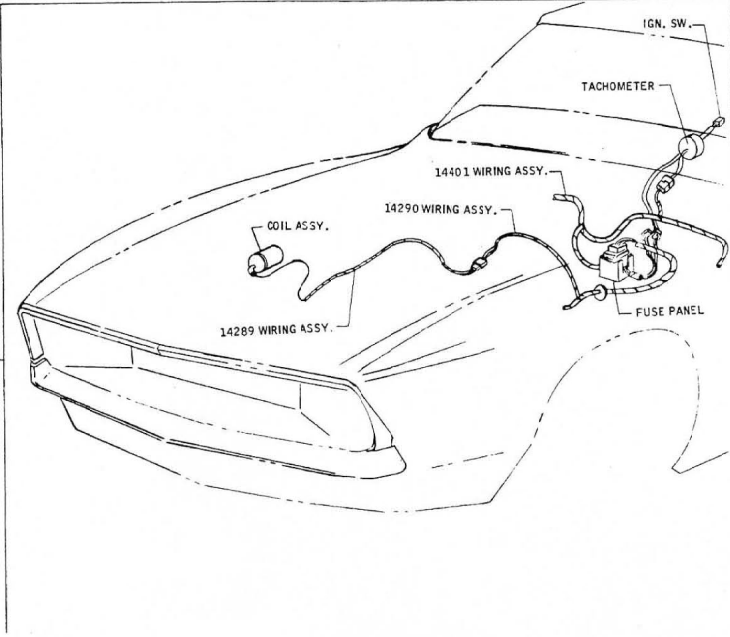
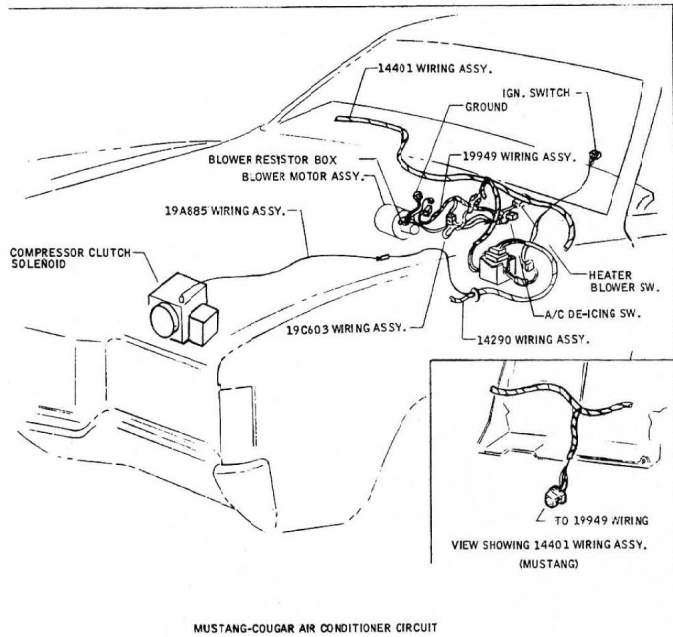
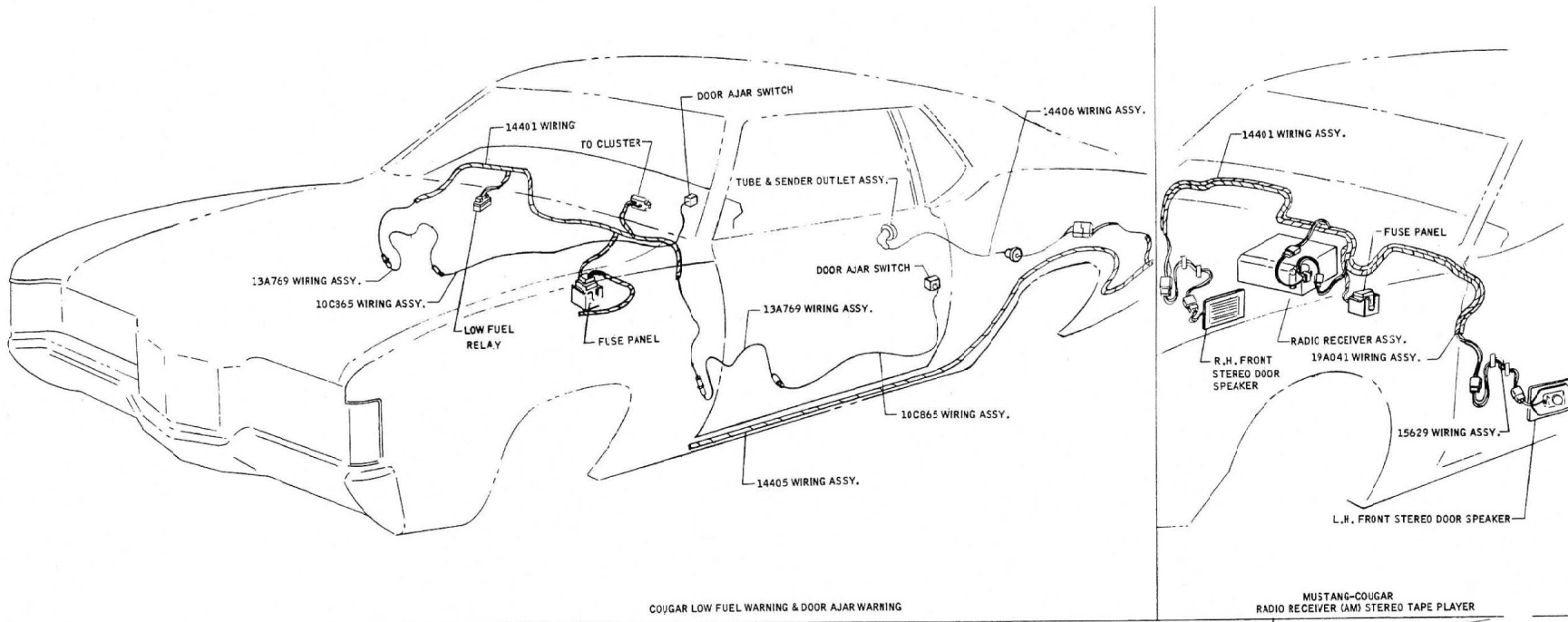
MUSTANG-COUGAR AM RADIO & FRONT SPEAKER



COUGAR-ENGINE COMPARTMENT LAMP

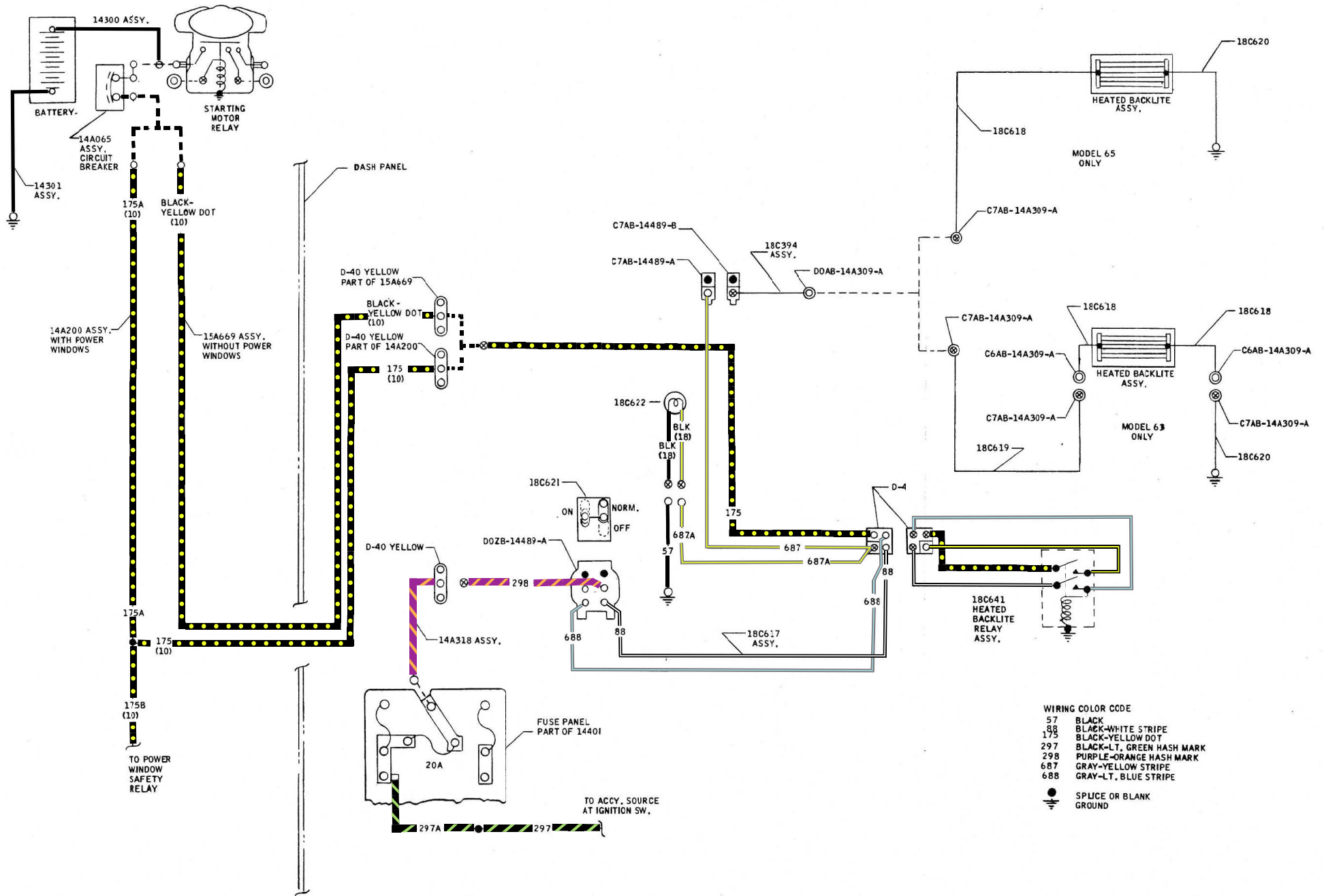


## MUSTANG AND COUGAR PICTORIALS

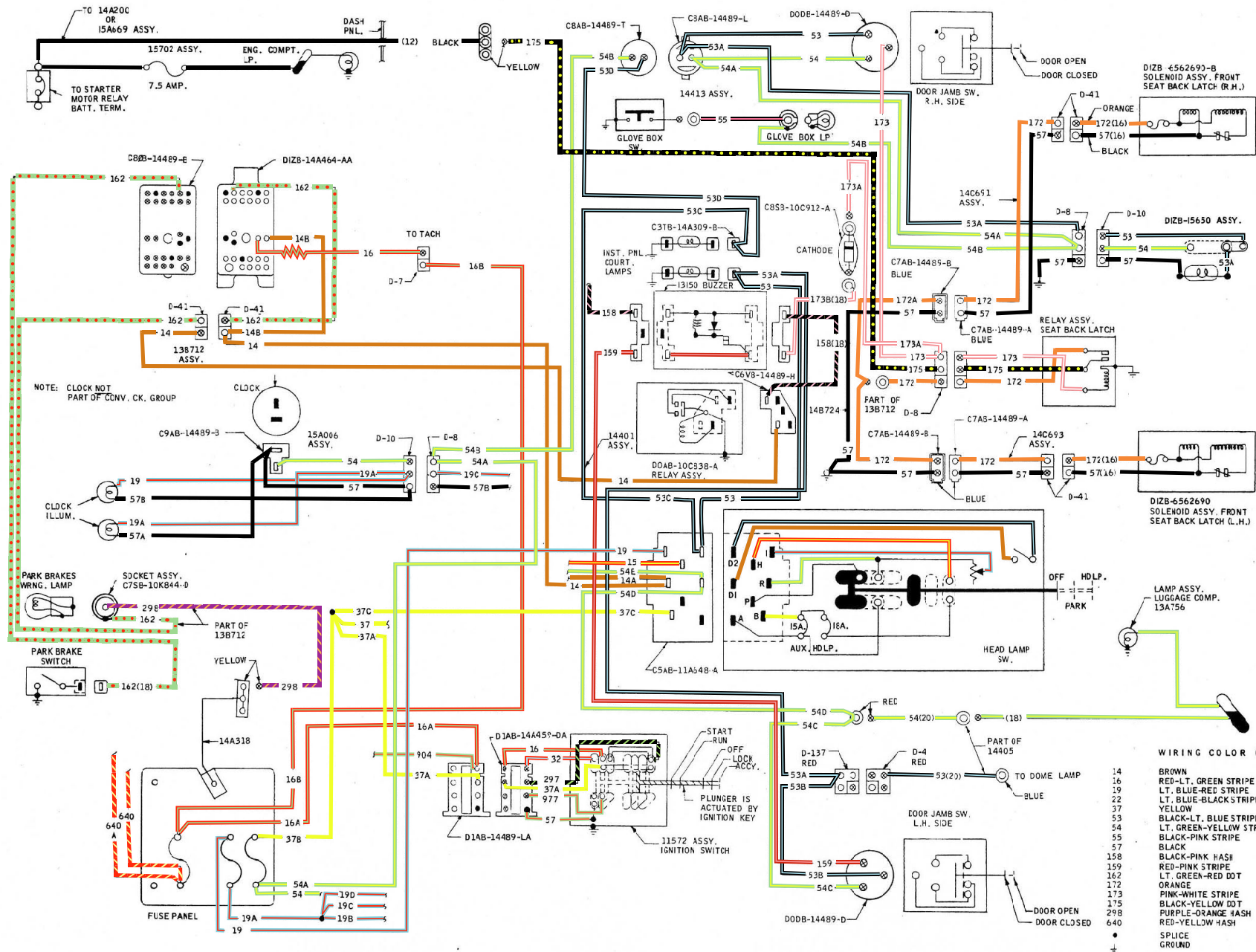


# MUSTANG AND COUGAR PICTORIALS





# MUSTANG HEATED BACKLITE



## MUSTANG CONVENIENCE SYSTEM (With Tach)

Source Document  
Ford Publication Form 7795P-71

1971

COURSE 13003 and 1703

**WIRING and VACUUM  
DIAGRAMS**



**SERVICE  
TRAINING**

FORM 7795P-71

# 1971 VACUUM SYSTEMS INDEX

## FORD-MERCURY-METEOR VACUUM SYSTEM

INCLUDES FORCED VENT SYSTEM .....	V-2
INCLUDES MANUAL AIR CONDITIONER .....	V-3
INCLUDES AUTOMATIC TEMPERATURE CONTROL .....	V-4

## LINCOLN CONTINENTAL VACUUM SYSTEM .....

V-5

## MAVERICK-COMET VACUUM SYSTEM .....

V-6

## MUSTANG-COUGAR VACUUM SYSTEM .....

V-7

## PINTO VACUUM SYSTEM .....

V-8

## THUNDERBIRD-MARK III VACUUM SYSTEM .....

V-9

## TORINO-MONTEGO VACUUM SYSTEM .....

V-10

# 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

