

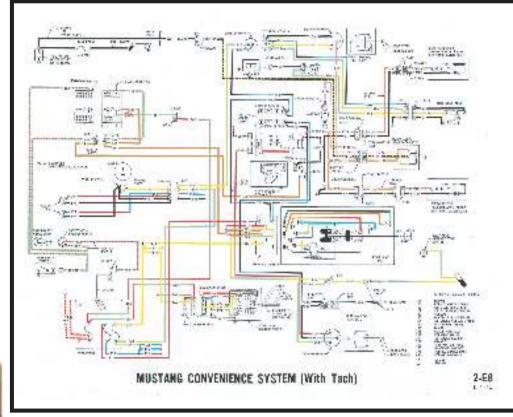
A consolidated collection of original Ford electrical & vacuum diagrams with illustrations

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!!





Copyright © 2008, Forel Publishing Company, LLC, Woodbridge, Virginia

All Rights Reserved. No part of this book may be used or reproduced in any manner whatsoever without written permission of Forel Publishing Company, LLC. For information write to Forel Publishing Company, LLC, 3999 Peregrine Ridge Ct., Woodbridge, VA 22192

1971 Colorized Mustang Wiring and Vacuum Diagrams (Extracted from Form FD-7795P-71, Form 7098-71-3, FP-7635B, and FD-7943-G) EAN: 978-1-60371-030-5 ISBN: 1-60371-030-2

Forel Publishing Company, LLC
3999 Peregrine Ridge Ct.
Woodbridge, VA 22192
Email address: webmaster@ForelPublishing.com
Website: http://www.ForelPublishing.com



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

Note from the 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).

Disclaimer

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



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 STRIPEHowever, 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.

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



Source Document Ford Publication Form 7795P-71



COURSE 13003 and 1703

WIRING and VACUUM DIAGRAMS



SERVICE TRAINING



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.
- Mayerick 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 offect at the time the book was approved for prioring. Ford Meter 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.

 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.

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 hattery 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 be hind these instructions.



Fig. 2 — Wire Color Code

140B

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 component will include

BUYIT NOW! In the engine

Click Here To Order









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.

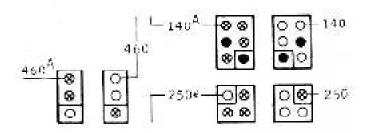


Fig. 9 - Connectors

CAR STANDARD WIRE COLOR CODE CHART [1 OF 3]

2	45.4	1 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	277.80 50.	4999	Contract.	100000	12009	TERROR
2	Contract years			CN 20.742	-200			
S	A se febet the	CONTRACTOR OF THE CA	5.3	end re	34.37625			
S	4.14 [606] 13	CC MINISTER AND CONTRACTOR		ICE SECTION	ALC:			
Total Content Total Conten	9. 4(3) 89. 000.	ME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			11 1 1			
2007 Gentler also Bette College Coll	F. ARREST OF LETT.	WELFARD THE STATE OF				177. (\$300)		
	3 313T 695 2H	MAN TOTAL C. ACTION FORLY TEST		C.C. market		0.000	PERMITS.	
	William Committee	ALASIM CONT.						
# 15 A 16 A	Acceptance of the second	0.545956.2877.		7 200 5	20.00	0.72		
# 15 A 16 A			52	100 100 100	ALC: VALUE OF	M0.81		
		CORP. NOTEGO C. C. COMP. M. C. C.		100				
The Content and Content (1997) 1997 19		THE RESERVE OF THE PROPERTY OF THE PROPERTY AND THE PROPERTY OF THE PROPERTY O	5.6		100 S 10 S 10 H			193
	WILLIAM BURNEYS	10 P14 C15	58		7.0 27			
Fig. Act Selection Act								
1	18.1. 主义图 (A.S.) - 29 19	сирии приняская принятия под стак воду испоражения восполячения при при						
1	DECEMBER OF STREET	3000 000 0 A F (A R A R A) TRIBER		41.10	300		7.000	188
	to their carter of	CAMILL CAME (LEEK)		in the second			P	
	A 1405 - 1470	A DOMESTIC OF THE DESIGNATION OF THE PROPERTY		390406	7.53		£ 4865	
Compared to the first of the	7 7 7 7 7 1	Tigg tart studes	- 202	SELECTION			60000	
		ODE DOUBLE 14 O MET UT 12 1 1 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0			EL SINK NO			
1						•		
Agriculture 1985	A STATE COST	P. 12 to the control of the control			11 6 4		30000	
12 13 14 15 15 15 15 15 15 15					WO(234)		99014	
1	化工作工程 医骶线性 化氯化镍矿 化二氯化丁	PORT OF THE PORT O			0.0000000			
	THE PERSON NAMED IN	A TO MICHINA			V2222	1		
	the state waste.	C. CHEE C. (C. 220.9) (ACC)	52					
Filled for June 1 June 2	医乳腺性 医维尔氏病 化邻苯酚 化二氯化					ALTONOMICS IN		
10 to 14 september 12 les years 2016 11 to 15 september 12 les years 2016 12 to 15 september 12 les years 2016 13 to 15 september 12 les years 2016 14 to 15 september 12 les years 11 to years 11 to 15 september 12 years 12 september 12 years						175 C - C - C - C - C - C - C - C - C - C	38335	
			1100	ARREST	Lance 1	STATE OF THE PARTY.		
	(4) 3.10(004) acceptant	Printers of Tube Symmet, \$4270H	35	4.4 Sept	1000000			
	Company of the second	EXPLANATION OF STREET	14.75 14.75	ACCUSE.	129610			
	OF THE PARTY OF THE	ga agam ga masunga daya at an tempatan dan 1943. Saka Bangga Canada at an	VIII. OTTO	A 460			20116	
Districts pairs defined that 27	1000	DE TRAITE AND	5.5		27 Sec. 1			
10 10 10 10 10 10 10 10			127	ALCOHOLD !	- SEE CON-			
	Charles And American	Strain Text in The Mill Clark of Mills and Commence and C	00%					
Compared to the Compared to	54 - 1932 CIME	A LOCALIZACIONE PROGRESSIONE A PRINCIPAZIONE	- 125		S. B. C. C. Cont.			
10 10 10 10 10 10 10 10	(工) (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	LUV	= 7/3					
Comparison Com	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NATIONAL OF A STATE OF A STATE OF THE STATE					1.1 4 (01)	E
10 Company 10	C 121 of 641	CIDAL PIL TO MANAGER F MIRES MOTES	724		MARK			
	A STREET STREET	wight to the almostical white estate			18-55 U			
Control Section Section Control Cont	The second of the second	etieningis in etersersisk kress error				Q40 1/2	-	
	5.5 · · · · · · · · · · · · · · · · · ·	Schill Long Alter Dalling Alternation				61m		
74 ALLON OF TEXT CAN FOR COMPANY OF THE TEXT OF THE TE		ANNEL DE LA TRES ESTADA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DEL CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA D				hill back		
% CARRING COURT () 19 CONTO FRANCE, NO. 12 1200 100 100 100 100 100 100 100 100	A REST OF THE PARTY OF THE PART	The Artist Control of	533	THE PERSON	1	2001/2009	8	
ia ilonguli aditoli della la	医氯化二胺医氯化物 计安定工程器	(1) [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	10.0	\$61, CHEEK		3596533-F		
64 - 184 - 1	68 Technology 70.57	AT OFFICE AND THE		189858		Sun in	088660	
	64 1607 CLS 30 CC 160123421	LUMB HALL	700	100 Acres	344.6	1997/04/		

98 CD-NGC TO 221 App Sylves	ewast.	orace :	(11892)			064
ise Silverite i official matrix or represent the way		SPLES.	100000000			150
284 (394 984 974 944 962 45 986 (300 234 0 468)	1450	MILES TO				142
194 PARATETY KINGSSE ON TO UNCASSES OUTSYLES		61 4445	489831			494
ARE ENTREPOSE OF THE AREA SERVICES AND PROFILED TO BE ALL		08.3			21 E 1 E 1	100
CRE FALLER IN CALIFACT, AN AVERSATIAN RELAY		(4. W. St.				100
The state like the are the a tribute that was		BENEFIT	1774.30		THE RESIDENCE	50
2 April 100 Cine (Cine (Ci		File Add			PETER	285
CCT (STATE DAS RECORDED DE RESPECTAR MONTHE PRESENT	724	新发生		04100	L. ALVE	333
224 Fift For relief power chief GeZich		C 32006		256,000		66
() A SYCHEM TOOK LEEK SKEETET FO SELEKOLK (LICEN) ALK SACTOR TOOK LEEK SKEETE ON STOLKER LEEK ELKE		65.945				200
4.4. Martine body jame period on apprehing transfer of the north entry entry (1996)		PING			Links.	162
4.55		PERM			200425	100
CCS Troff CoSt 542 ps in order		6144			MILLIAM	464
000 ADV AVA - 000 AP 10		W1.40			al land	
SZERTÉM CHÁTHÓ MUCHCÁ PO TRY CÚLO, MORGA ÓM MÚLAC	8,998,01	Part Shirt	10			150
and like course, suggest to for court, words on think.	6.23	4.1	francis I			350
ARE REPORTED AND AREA OF THE PROPERTY OF THE P		20356	154,500		098366	43.5
The Countries was no cases have constant was	10.850	40.000	100 CH 10		TERMEN	320
ALT CHARLEST LAND THE THE THE STEEL ALTER	2880	B. Mark			State of the contract of	100
125 office 5718 billion case	227	CO MELLE	Landau Land			180
101 Prote Carte Clark Prof.	6.5	AUSSIE	274531	10000		135
150 FALSE I THE LIBER RECTOR	122	FELCO.		20.504		127
115 (157) * 4 (154) KALTON FIEL 124 (157) 1449 SATION +3 [2015] OH 05_4-	528	442.5	100 KI 4 KI	21907		122
Lin Sens in Last	277	M. ach	10000			145
Lot law as refer perce and regions to an on their serve case Bords.	404	Burne		Tarana 1	93.00	2.25
ing yan sa meet gerra asin meninsa rice	348	Bell HARRY	3	of Course		10.3
Les that to their small said graves on the on three course were borned	150	Sec.				152
190 Safet Colling, assert safety of assignment	1998	127-74-04	100000	DEGREE		154
18a 19a47346 korde at an he purasta	112	SEE	49318	100000		133
ENR. SER LARRIERO SACEREL DE MUSTOS.	1.98	BLACK.	10000	(Elberge)		
LOS 1839 JOHN SMIFTS OF BUSINESS	2.3	SEE	Cable .	100mm		190
Lbg Budder De Foreign dericolium est an	82833	65 A 15 C	1734		3-270	153
117 CHEME, ERING MANATOR LINE IN LYTHE, EDING SETTING	2285	TAL CHOICE.	ELVIOL		25.34 1.1 mag (1)	124
	627	MI ACK	WOOL			126
120 SERVICE REPERCA OF SERVICES DELVA	40	DECEMBER 1	*****			158
271 1209 Selfice to sear renes return (0010 16960)	46	FINE	680000			60%
175 TH LUMINOU MACTER OF ME BY CARE	133	EL Nex	572555		1900 3.94	120
016 NEON SENSON SELECTION (TREET) - 1 PERO	3.46	set to 2			1101045	126
ENG ARRIVATION SERVICES AND AND ARREST	- 22	SELECTION.				100
Ten elektronic Str. siny error il artisi	4.5	PF 2				2.29
LAN ALCHAR ANCOLOGO	100	BERNAS	190,5 (0.1)			1.8%
	4.9	Witter to	79475			100
(2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014) (2014)	3.1.5	38875		60163.04		1,84
DINITALANTI	134	Element		1000000		150
BUY IT NOW!	300	OLASSO E.	12000			100
= ERLD) Y =	.0.	17 30F	3713, Ur			120
	199			141 (2008)		133
	2.55	Pile	11 (A 100 COST (1)	90%	100
Willers To Order Comme	3.84	320			tan-ket	132
k Here To Order 🔷 🦠 🚥	37.00	179	1		THE LEW	100
the state of the s	6.45	144			THE STREET	184
DE BURELLES WELDS BOX COLUMN BURE	2.00	115	1		1000	900
The state of the s	58.	94071	1			284
VISA	7.7	8.678				263

CAR STANDARD WIRE COLOR CODE CHART (2 OF 3)

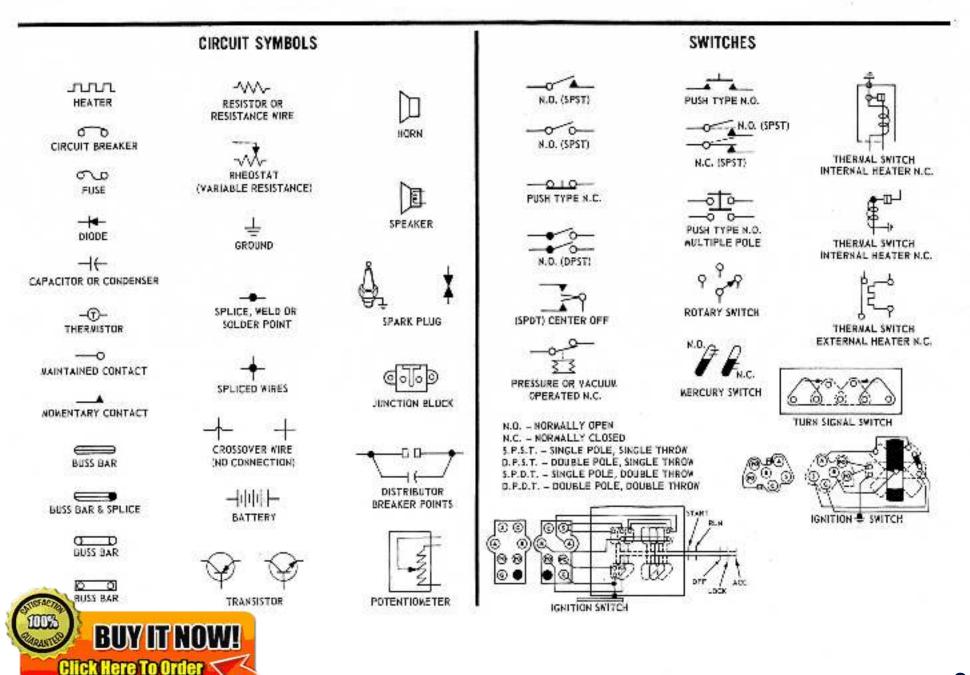
127.53	000,00 85	2.455	strate.	16.86		241
COCKUL WAIT LEAR ON HOW SOCKEL BYLEY LE RIMER ON I SE YOU'L MINING WET BUTUR	2013	201116			10.002	
er dir elleder et bigg en gji opphysiken lightyd . Frank en en en gan de de en	15	atti			910000	
Trace B. Sel Super land to the same	2.5		803821			
	2.40	77 - 81.0% - 27.0%	ection.	292656		
***** 1.2 (4.1 (2.1 (2.1 (2.1 (2.1 (2.1 (2.1 (2.1 (2	144	*ED1.04		49.77E		
i (1915 Sient in 1 Frank Charles) (1915 (1916) 1 Frank Sien in 1 Frank Lampson (1915 (1916)	47	327 mg	TO SERVICE			
F CIERT TITTE TO COMPANY AND THE CONTRACT CONTRACT	66	3134 EE	30000			
1247 1056 to 3 547 terming 15 1000 1447 1554 to 5 5447 terming 15 1000 1475 1546 terming 15 1000 terming 15 1000 1455 1546 terming 15 1000 terming 15 1000 terming 15 1000 1515 154 166 terming 15 1000 te	69. -234	POLICES.	PARTICLE .	and the second		- 8
Traine & Art Comfan, on thousand on highers thomas the	200	SK MIDE	90100	01.3000		
,这些是在"我的,我,我是我们的证据的证券的,你是有一个的Add in the about the form Add in the factor (1)	600	2000 M	3410750			- 9
The Process is the a signer fore garden to souther you've assessed because	170	375				
TEXT EXPLICIT CONTRACTOR AND CONTRACTOR OF CONTRACTOR C	1,55	7 - 20 A		40000		
A MANY PETER TO SACTOR I DE	Tay	96.5		94.2 9544.00		
e plate, personal de 10. bajoro e 4 dije	232	0.741.60	8.858	10000		
The lates of the second of the	265	37006	2013			
		4.5 14.5 1		999y (SE)		
TOTAL SECTION SEE THE SECTION STORY LAWS STATE SECTION SEED TO PRODUCE SECTION STORY ASSOCIATION CARTON SEED TO PRODUCE SECTION SECTION SPORES SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SEC	9.0	Se Carry.	MAGNES !	C36 34 04 11 1		
CONTROL FORE TO KNOW 447 SAGDEN	293	200	200000			
SPORES ROUTE FOR METALS.	4.3	N. 450		evens.	1	
1600, 1000 files and electrical e	500	MATE TO	25/20/2005	0.000		
2000 10 10 10 10 10 10 10 10 10 10 10 10	653	Mills and a second		of patter	100	
PEAL Mr.S. Sa. to assure, accurage march. Mars.	48	1.7 1.14		988- D		
1914 to 5. 5. to the money, additional bath, then, as the second of the second party from the second party fro	23	Sec. 12	52200		n	
ANT I THAT WAS DO NOT A STATE SHARE TO ALCHO THOSE MINISTER AND LONG.	2 26	10.00	903.08			
1171 Depart of their region of the collection of their region of finishing and accompany to the STEE bridge at the collection of the colle	e 19.	760	MARKET			
(D) bedel comb som dra scree in the serie active ac	122	0905 040 000	\$1.36.08	(Table 7)		- 3
AND I TRUST MUNICE STORE CHOICE SACTOR TO ACCUSE AND ALARDA MADE AND MADE AND	158	5045 045		KL12.8		
 DIFT TRIBUT HISTORY DIFFICULTING CONTROL OF A DIFFER DULL OF CONTROL MARKET SPACE IN CO. 	111	112		25.17.5		
ASSECT TO CONTROLL OF THE CASE	163.3		435.1		\$500 Sec. 1	
- PANTAN PROPINS AT ATRIBUTE DESCRIPTION AND APPLIE	2.5	3711.34	DE.		00000000	
TO BE STATE OF THE PARTY OF THE STATE OF THE	128	63 ACM	Milen.	15000		
PERIOD TO THE PROPERTY OF THE PERIOD PROPERTY	14661	40 0000		Participal Inches		
TO THE PERSON AND AND THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PE	757.95	863,681	1.1.168/155			
Table Soft Date of the state of	198	17:36.15		efr.	H-05/04/C	
Fig. 2009 he in an include. File Links Marriage for the party appelled within 1982, 1988;	111	10 (88),71		FE OCK	6001.00	
1. 其中的 1. 用的现在分词是有关的 2. 用的 1. 用的 1. 是的 1	100	23152		100 March	46.14.00	
Algerta Friton willer of street	73205	7764		4 H (4E		- 8
AlemPit Ciccolna er det ominente appu 114 august omitta in de ommangiger japp	1200	28.64.50		0.0000	64.50000	
145 SABERT NOTES : 15 (0000 2.5) 1760 1240 SABERT NOTES : 15 (0000 2.5) 1760 1240 L NOTES : 15 (0000 2.5) 1760 1747 C NOTES : 1440 PROPERTY : 1460 PROPERTY :	160	TAXABLE .	S01100	46176	STREET VIV	- 5
TO A PAPEAR IN A BARD THAT I TO JUNE OF A PROPERTY OF A PORCE OF A POPEAR OF A	1.53	28.44000	V/176			
	120	400	150.40%	45.176		-
Turkite A brahasas serven Astron Preise 1986 Astron of Braham Lee Ass.	172	· 数数数0000000000000000000000000000000000	8	9112		
CARTA IN ALTONOMIA SEPTEMBER ASTITUTE CARTA LINE ASTITUTE CARTA LINE ASTITUTE CARTA	7039	CONTRACTOR	busys.	100		- 8
	280	1 1100	101167		FC256	- 3
1915 as it Note about Bro. sits 1915 as it Note about Bro. sits 1916 by it sits it sits the sits	7.00	3000K	A 464		CH4076	- 3
AGREE BIT SE HE HER SERVE DAG FRANK MENERA BEG, CH. IN ESCE. WEG. 47721	620	2941	980			- 3
I NETTER BERLETT CONTROL OF CONTR		3841	37526			
- 大名の東京会 美国をいったい。本名はなどのははある。 ちゅうじ	100	239911	27 36656 2117			- 3
Salar Addition of the Salar Addition of the Salar	2.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FE-3000			- 5

6 1986) 447 - 64 - 246 - 1949 - 1949 - 64. 401 - 1180) 481 - 54 1400 - 1201 147 - 66.	100	Day.	10 a.s.		
St Principle Carron on the adults	2.90	11.5	10.00		TATE OF A C
W. Charlet and P. P. Sallin (1994) Charlet Light Community of the Commu	34	CONTRACTOR	099558		
		Et BEER	187.3		
C. COMMON CH. D. BERT DEFENDANCE THE PROPERTY OF A SEC. (1999). C. Miller C.	528.5		Q-100 F		
о постоянили по метре движене оден уторе прине. И 196 Милии Менекор Приба принед стак, движ	28.7	DESCRIPTION OF	LT Seek		
C. Shipper to a service our rough that shows they	100	955595	-BURY 8		m
FOR SEAL ASSESSMENT THOUSANDS THE STREET WARD	428	0805-07	410		
6. 168-18-12-22-21-00-21-20-22-21-20-20-1	2.00	The Charles	1.100000	The second	
TO A PRODUCT AND	140	96.0	A.C. 096 CO.	100 00	
And Death Bullion, was a real and a second discount of the con-	228	ELECTRICAL PROPERTY.	all and some		N.
"For a Braditation of the agent and the control of	(244)	08.4-77	LT SOLLY	AUGUS.	10
of the transfer of the contract of the contrac	100	State day	The Constitution of the Co		001741000
es internación academ comesa enga	355	L11 (30 C)			Contraction
9 Propagation State control	200	Latter and	Sec. 1986		
(5) \$100 Code Str. 10 September Review Code 15 Sept.	188	DECARRAS.	100000	etron	
M CONTARK SECTION CONTARY	7.3	2.46	28 About		
the Tarlotte Addition action them. The products outside they	35960	COCKER.		8.288 ·	
NO CONTRACTOR DE CONTRACTOR DE PRODUCTO DE PROCESA DE LA PARTICIO DE PARTICIO DE LA PROPERCIONA DEL PROPERCIONA DE LA PROPERCIONA DE LA PROPERCIONA DE LA PROPERCIONA DEL PROPERCIONA DE LA PROPERCIONA DEL PROPERCIONA DEL PROPERCIONA DE LA PROPERCIONA DEL PROPERCIONA DE LA PROPERCIONA DEL PROPERCIONA DEL PROPERCIONA DE LA PROPERCIONA DEL PROPERCIONA	197	EFUSE Film		1000	WHITE
	\$30H031		127,4550		
64 - N.B.C. C.C.C.M., M.S. and M.S. Harris Offices, Migrosoft 68 - P. G.C. C. M. Marketon M. Johnson, M. M. Marketon, M. M. Marketon, M. M. M. M. Marketon, M. M. M. M. M. Marketon, M.	31060	744	10,525,01	17.08883	
12 PERCEPHINATERIA TELEVISION DE LA PROPERTA DEL PROPERTA DE LA PROPERTA DEL PROPERTA DE LA PROPERTA DEL PROPERTA DEL PROPERTA DE LA PROPERTA DE LA PROPERTA DEL PROPER	3730	50,000,000			
03 - 00 04 1 20 0 10 00 00 00 10 00 00 00 00 00 00 00	1.0	25.63		100	
Profession to econymen needs assigned	398	67 16 16		Control of the Contro	
AN PERCENT DERIVE SUCCES TO DESCRIPTION ENGINEER AND DELIVER		F40000065		-+30E	
AN PERSONAL DISTRICT CONTRACTOR OF THE PROPERTY OF THE PROPERT	27	31.000			
AN THERESTALL DO NO. MARKS	10 A C	PER CW			
MAR	9.4	15210	Security.		
IN BOSELAND SM: TROPING CONLINES	133	PERFE	F12 (4) 25		
tg Teststek to mean's errer men	1.0	214-16	40.0		1.11
17 CASALATE RECORDS (Cart Title) in to contemp, see, 1982. [Conf.]	0.00	3,400	2000		
P Tale Bust on, to were troop	3.42	2252	A		
Constant all I billiotas care i Laborra per sersa	267	P-(3)(1)		30000	
S The between the expellent they be then	0.0200	H. W. S.	W101	3,507,700	191
of to-Museum pakene was in Syrippin (1) gripping. De 1819-18 molte per to i man propositi a como como di como como como como como como como com	34100	161.1			11 10 19 10 10 1
50 - 5.3455 Felle Bente italian dipenting ay addebe montasi 50 - 6.7500-755 Assess an addebe and a second	.84	MATC		l.	THE WALCE
of MINES Car elega menegations and ages from	6335	L.C. SHLEE		SINNYC	
on in 1995 the Court of the Cou	美術教会	W.350 - 11		migra.	L.F
LECTION TANK PROCESS OF AND SHIPLE WAS DE-	. 75	SEATTH OF	1799999		
d selection of the sele	0200	3900000	3,640.00		111
		RE-LOX	ARREST.	Share -	
	131	11 4000		16177	
	132	TOUR STORY			00000350
BUY IT NOW!	3760	1111			3500000
BUITA II II IV W LOS A PROSENTATOS	197	Fire Co.	ACCURAGE.		
	224	17 10 16	THERE		
Wild Charles Street	171	7.65		17 14075	
TOPO TO OURON (1931.17)	130	0.000000		46.5	
Here To Order San	125	7.1mc		The Car	
44 90 000 (20 4 7 0 4	699363	F13182		A Page 111	
20, 1786	93.3	91,353		4000	
	1.1	64.0			
VISA VISA	5.60	12000 Ho			
WISA CONTROL	98913	LT 100			
	393	300		261,165	
1047, 54, 100,01	10.6	46730	27 CO. W.		

CAR STANDARD WIRE COLOR CODE CHART (3 OF 3)

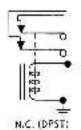
(1951)	200,38,607	8450	\$100.00	ETAR:	goe gradus
502 veito Ess, sema co sem no cense gene, sechica mono	200 m 3	360			60 aby 547 11 birth 546
· "我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	224	678	How makes 3		7.1 Wilds 3988
AND 100, SHOUT 10 MARKETS. 850 CLARTONS FILES ROLLY SHOUL BE FREDRICK	24	7711.0m	CT /03000		491 315
-000 -000 COMPANDED NAME OF THE PROPERTY OF TH	227	861 0110 D	09000		The Lorentz Str.
WALL READ WILL THE TAX TOXIDING TO BE A DRIVER OF AN	200	Marine .			200
AND CALLUTER SECURE AND ENTRY AND PRICE WATER	1,39	KALDA		401578	5.578
AND POLICIES SE, TO LIFE THE CASE OF THE PROPERTY OF THE PROPE	- 33	FEED WALES	111444	-0.000	1400 324
AZE TELEPOOR SA, TO THAT FUEL GASC	15	21 0300	65 C		8.00
1991 PARENTAL STATES OF THE CONTRACT OF THE PARENTAL PROPERTY OF THE PA	150	0.3095	Post Con-		TABLE NAS
AND TERROTERITARIES OF SELECTION OF PROPERTY OF SERVICE CAME Sec.	80430	2.366	PARTS.		50000 10000
Are that I the procedured argue on the dispersel.	32500	9500	wheets.		4.40
NAM COC PROD NAME AND RANGE FOR THE TERM OF AN ADMINISTRATION	26	2507 2525	VOLUM:	1	561 560
582 SAUNT REGIONAL PROFESSIONAL PROFESSION ASSESSMENT RELATIONS.	25	157691	B4953	100	551
745 Fulfate Agille to pour appoint appoint	139	11.0	535.00	PENE	740 740
745 POJESTA SALITZA PO POVER ANTESPO KINGRO	34.	16 3541-65	2143.36%	197913-22	7.40
735 ALPHAN HUTTH SPERK CONTROLLED TO HESTERN AS ATRICAL COST HERMAN HIS DR. SPERK CONTROLLED TO HESTERN AS ATRICAL	1,95 (1)	35 Mach	AUGUSTAN I	WECKS	11300
094 - ALOMAN MATOM SPERF CONTROLLED THE MESISTER BE 17870 (084 - 1241) 1 & 400 CONTROL SN. TO DIGNIE SELVE SN.	726	C11 1-	100		Pt-1 (6.2 742
And shows we on their contrates in their re-	171	1341 24 2 3045 54	EAT.	447.44	137
78% DUONCE HOTHER PRINTER HALLS IN MERCENDE TUCH MERCED.	15	45165	88315	5000	285
You wells are not delived by, referenced to broadtak order smooth	221	58.0	1.00		FF 50 70 0
281 - REATER Albert brightner bei ber-kriefen bei albeite belder beziehen.	2.00	47.0	95743		797
764 HEAVING AND AND COMMINSTORY, ALCOHOMOUS TO RECOGNED AND PROMEST 763 HIGHER HOUSE DOZEN TO BROW MATCH TORRES OF DESIGNATION	240	2000 CT	000000000000000000000000000000000000000	1	9152 214 214
SAS REGION NOON DECAM TO EACH MATER TEACH A SAC FIRST	744	7 2000	C>0.0000	VOTE CONTRACT	766
So whates use our country suggest that paper are country stored		100	POP - NOT		ACCOMPANY 288
281 ANDREAD SERVICE OF MARK, CARRY, CARRY STREET	2437.1	2 7000	Who wall		269 269
AND ADERSONS SERSON NO ADEC DOCT THE PROPERTY.	149	25,000		2541.24	2269
749 "E1425 3 400 (include swinds of the organise algebra Alexandria). 724 "E1446 X-200 (include swinds of the organism of the organi	166	34 3566	Lance B	7111124 050000	269
7-9 (115) 3 (7) (100 m) 50 (10 d) 4 (7) (2007) 2007 41 (4) (4014) 7/2 (410-2007) (30-10) 50 (10-10) 50 (1000) 70 (1000) 100 (1000) 7/3 (410-200) (400-10) (400-10) (400-10) (400-10) (400-10)	100	44.174	2.7 p.m.	0.000	272
[2] 在1800年 - 中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中国中	138	744.44	144		190-100g at 23 h
780 CREEK ALVAN EN ANTON THERESEN THE PERMITTO THE TONIC CONTRACT	3.4	400			St. 1989
After Model Port: September 1992 for the Person of the September 1992 for the September 199	224	0.000 0.000		10,424	divinas 766
And Gender adequation yaterun juga termejatta and Gender att van Spierre av. in tekt. Harris tukarensaan	4.5	457.7	44016567	South a series	-0.446545 - 250 277
187 GARTERN STREE ON PARADER	2.6	2 26660	54 Feb. F.		1342
BOA. SECRETAL WOLLD HAVE TELLVISIONED A SERV. CHARACTER	246.0	70.40.00	PROCESS OF THE PROPERTY OF THE	STEARCH	11806
ico Epanosa auto esti oppi-rent illovo suluvist. Ech Senati edist esti officalen arten danaden.	17800	4FTEE	120	电力服制度 处	3,000
FCA SABANDA MOICE ESTA FFETANCIA TARGET GARANCET. FCF SABANDA MOICE ENTE PERMANAN TITTE ENGANDEN.	64 83	72Wc 23wc	12.55 Ex.		FAA B 7
NAME OF TAXABLE AND TAXABLE TAXABLE TAXABLE AND TAXABL	100	440.46	25.000	1	203
60% Section Section in the respective expects as a 60% Subjects Section supercess	232	200	Mexicon and	0.75 H 2000 N	24.5
\$17 Depoching which has been likely likely	200	12.5%		27 H 900 S	817
ere depotation return de les cires l'ages	20.5	565	1	14000	14 E0080 GEORGE
COR SPERMENTALE TO 1 FROM CRO MITTER OF FEET FOR NO.	264	MANUAL PROPERTY.	t.	100000	111 72824 000 001
tao Parus id Fittis nomina. Bia Parusti Pesteral de Tish, no terraporte Luit de Sigan.	202	55.3			gFings 64s
say Britansi Paristina 2006 Com. 39 Juny 2016, 2017, Frinch	#150	170 21 416	1		4941E 499
681	- 25	17 36655	1		60
ALT THEORY TO LAKE ON FLOOR OF BUILDING SENTENCE. THE COM-	583	Car Secret		orthogo.	840
with Carl Tite. 2001 of its following states of the	213	10.3 m		alternation	679 894
odni C.G. Resert in Francis ministrat ili 1544. 884 - Pask Mayer segrapa ng 1890 C.B. Lan Typ seffici	225 -	69-21-9 61-54		SF2 47	879
902 BROOK YELL MAN KATOCA IN DOMESTIC THE AVERAGE OF	100	Vi same		25.65.050	898
Made Fact Ready section to been seen a section	9.9 4.9	F03401.7	25,576		380
WALL RECORD RELEASE TO CONTROL OFFICE ORBITS. AND	27.59%	1.70 (0.06)	APRIL .	1	650

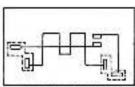
### #### #############################	192 111 427 529 629 629 629 630 631 631 631	by arm. () The tale of the court of the cou	97 -100- 90 (100- 00-000) 00-000 00-000 4-111	ET PREE	A 5 / Variable A 5 /	
### A PART CONTROL REPLET FOR S #### A PART CONTROL REPLET FOR S ####################################	71. 13. 23.1 23.1 141. 142. 143. 144. 144. 144. 144. 144. 144. 144	Sect f SCI Compared SCI SCI SCI SCI SCI SCI SCI SCI SCI SC	Change Cha Change Change Change Change Change Change Cha Cha Change Change Cha Cha Cha Cha Cha Cha Cha Cha Cha Cha	il spile burn	VALUE OF THE PARTY	
BUYIT NOW!	St. 6 9 mm 9 74 7 m	SEV SEVEN	SMP 11			š



N.O. (DPST)



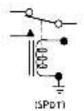




MAP LAMP RELAY

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

RELAYS



SOLENOID

200

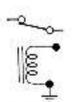
9

COIL AIR CORE

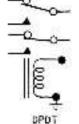
IONITION COIL











LAMPS

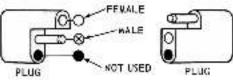






DOUBLE FILAMENT

CONNECTORS







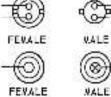
0

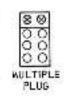
80 FENALE MALE SPADE SPADE CONNECTOR CONNECTOR

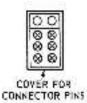
SPADE NOT USED









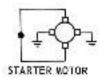


MOTORS









GAUGES







BUY IT NOW!



100%











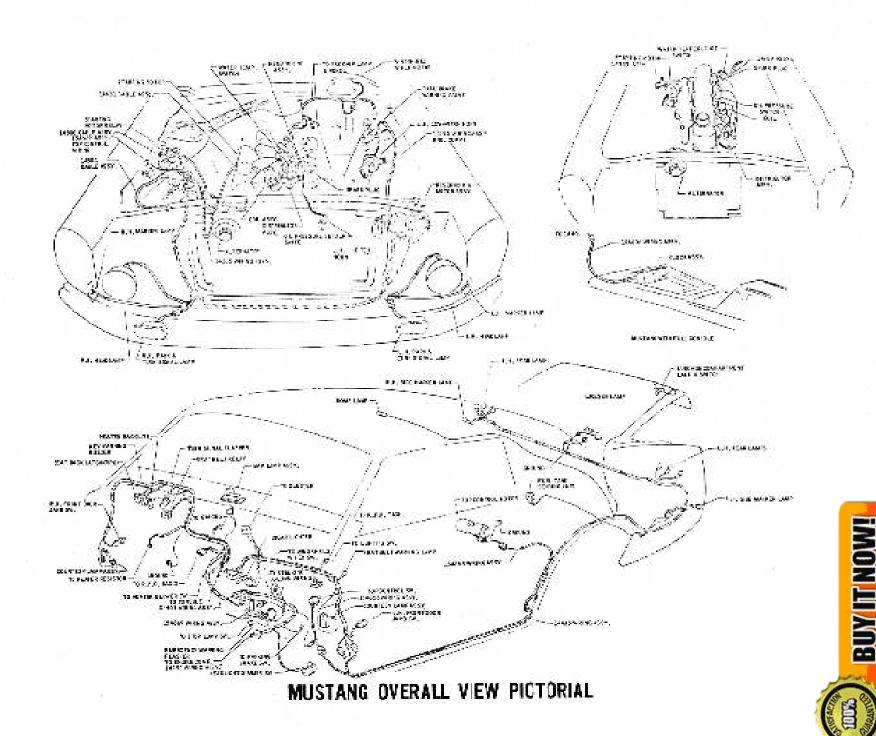
1971 MUSTANG AND COUGAR ELECTRICAL DRAWINGS

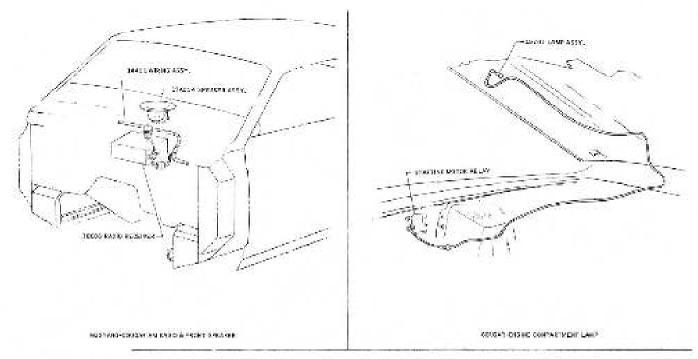
SECTION 2 INDEX

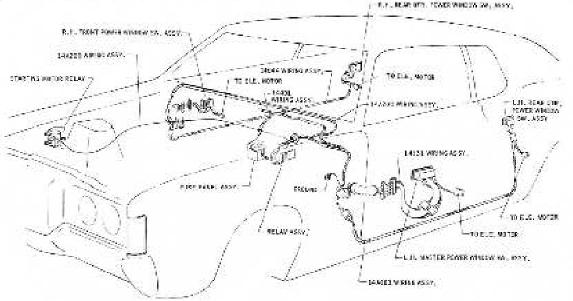
	PICTOPIAL	# CHANGE, IN
AIR CONDITIONER		
Musterig 8. Congst	2-85	2.42
CHARGING		
Vistoria	2 E2	.2E1281
20050	2.F3	261341
2auger X 77	2.00	.5-012-8
CIGAR LIGHTER		
Wigging	2.12	2.F3
Couge)	2-E3.	2 E2
CLOCK		
Nusaro		
Congress	2.64	2E0
CONVENIENCE SYSTEM	S	
Mustarg	See and the	2-9
Congression		20)
CONVERTIBLE TOP		
Mistoria Schlodar	242.43	y i=E
EMISSION CONTROL		
Migrary 9 Lyt. Auto. Trans	enym ses	2-63
EXTERIOR LIGHTS		
Mustarg		2 E 16 & L
Corger	2 2 Es	2 E 14 % 20
Nadi Lancas and a second	autoria e reces	Z-E3

	PURRAL	MONRAGUE
GAUGES Wistory	2-55	2-E13
HEADLAMP "ON" WARNING BUZZER		2.029
HEATED BACKLITE M.sonj Coupt		
HEATER AND DEFROSTER Number 2	1 07523	2.22
HORNS Musery & Cause	E28.3	2.634
KEY WARNING BUZZER		2 530
IGNITION Yesterg		
INTERIOR LIGHTS		
Denoise	2-62 . 2-63 . 2-63	2-120
PARKING BRAKE WARNING LIGHT		2-D9 & 10

	PUTCHNI	STREETS:
POWER SEAT		
Coupu - 1 to a 1 to a second	- 10-20-00-0	1.05
POWER WINDOWS		
Misning & Louge	2/54	24.32
RADIO AND STEREO TA	APE	
Posery 5 Conja	.25185.	2-631
SEAT BACK LATCH		2·E) 8 f
SEAT BELT REMINDER	LIGHTS	
Mussing & Druger	2 E3 8 E	19 A E13
STARTING		
Victory	2.62	2011
Cough XB-1	2-E3	
TACHOMETER		
Mustaing & Courter	255	2-211
TURN SIGNALS		2
Mistang	2.63	(284) 🖺
Coupe	2/81	2-623
WINDSHIELD WIPERS A WASHERS	,ND	2
Musneg & Cought		
Kirps g & Congr (Internito	en)	

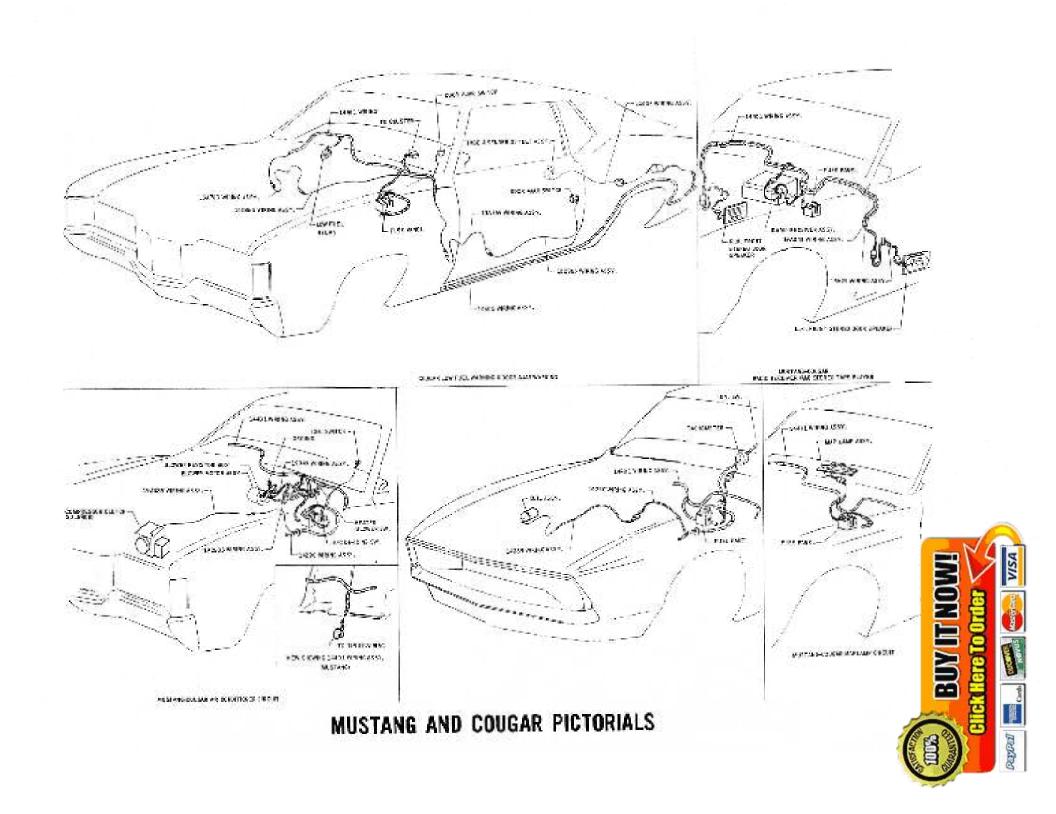


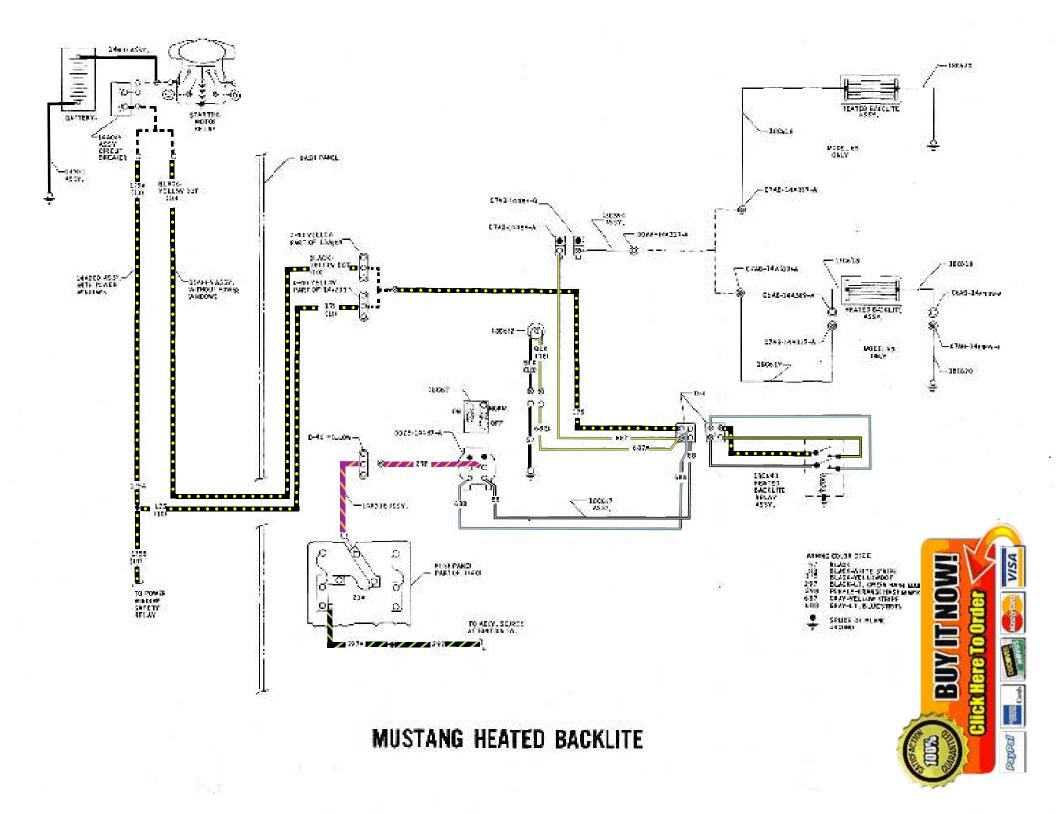


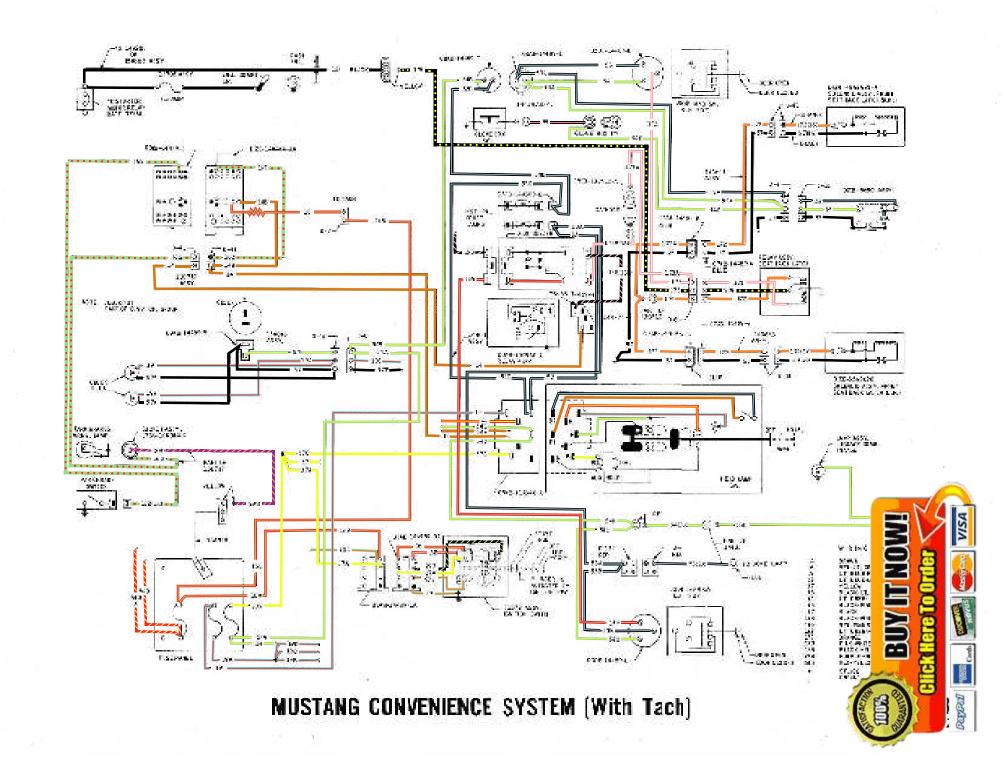












Source Document Ford Publication Form 7795P-71



COURSE 13003 and 1703

WIRING and VACUUM DIAGRAMS



SERVICE TRAINING



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	NISM NISM
THUNDERBIRD-MARK III VACUUM SYSTEM	Order Order
TORINO-MONTEGO VACUUM SYSTEM	Heklere To
	Ollic Tresta

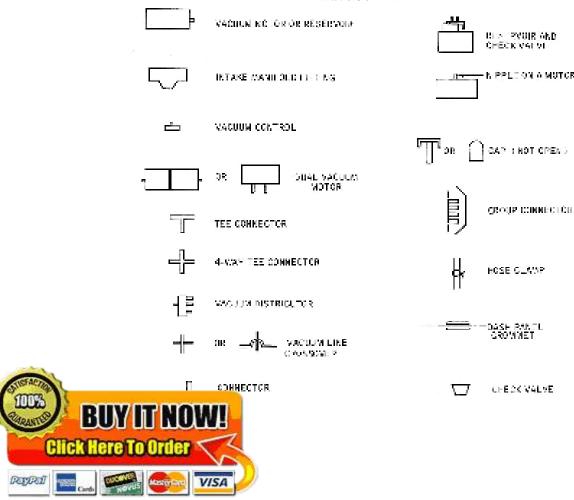
HOW TO USE THE VACUUM DIAGRAMS

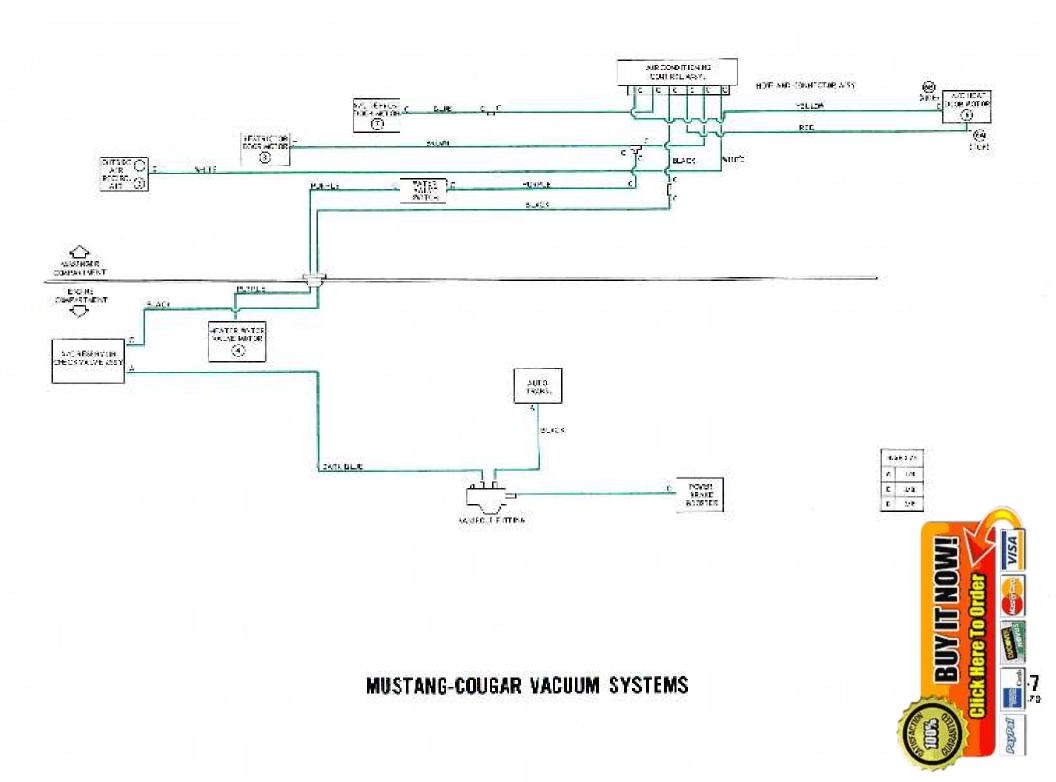
IF IT IS A FORD CAR LINE VACUUM SYSTEM, THE TECHNICIAN WILL FIND A PAGE FOR THE TOTAL SCHEMATIC SYSTEM AS WELL AS A LISTING FOR A SCHEMATIC AND PICTORIAL OF EACH SUBSYSTEM ON EACH SECTION INDEX PAGE IT IS RECOMMENDED THAT THE TECHNICIAN FIRST TURN TO THE TOTAL SYSTEMS SCHEMATIC TO DETERMINE IF THERE 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 MALIFUNCTION 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





1971 CAR Source Document 7098-71-3 Rublication Form 7098-71-3 SHO

Chassis

Volume II - Engine

Volume III - Electrical

Volume IV - Body

Volume V - Pre-Delivery



MAVERICK

TORINO

MUSTANG

MONTEGO

COUGAR

COMET

METEOR

MERCURY

LINCOLN CONTINENTAL

CONTINENTAL MARK III

IDENTIFICATION CODES 10)
WHEELS and TIRES	
BRAKES 12	2
STEERING	3
STEERING	ļ
DRIVING	
8MAFTS	j
CLUTCH and MANUAL	
TRANSMISSION 16	
AUTOMATIC TRANSMISSION 17	1
IDENTIFICATION CODES 20	1
	9
GASULINE ENGINES	
IGNITION SYSTEM . 23	3
FUEL SYSTEM 24	ļ
EXH 26	j
GASOLINE ENGINES	1
STARTING SYSTEM 28	3

VOLUME THREE ELECTRICAL

	_
IDENTIFICATION CODES	40
SEATS	41
WINDOW GLASS and	
MECHANISMS	42
STATIONARY WINDOW GLASS	43
DOORS, HOOD, LUB	
DOORS, HOOD LINE FOUR	-
INTERIOR TRIM	45
TOPS and EXTERIOR FINISHES	46
BODY SHELL, EXTERIOR TRIM,	
FRAME AND UNDERBODY	47
1	
MAINTENANCE and	
MAINTENANCE and	50
of the	

GROUP INDEX

IDENTIFICATION CODES

30

CHARGING SYSTEM

31

LIGHTING SYSTEM

32

INSTRUMENTS, CLUSTERS and CONTROLS

33

MAIN WIRING HARNESSES and CIRCUIT PROTECTION

34

AUXILIARY EQUIPMENT

35

VENTILATING HEATING and AIR CONDITIONING

36

SPEED CONTROL and ANTI-SKID CONTROL

37

BUY IT NOW! Click Here To Order \(\tau\) | IONS

FIRST PRINTING-SEPTEMBER, 1970 © 1970 FORD MARKETING CORPORATION, DEARBORN, MICHIGAN



100%









FOREWORD

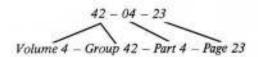
This manual is divided into five volumes: 1 – Chassis, 2 – Engine, 3 – Electrical, 4 – Body, 5 – Maintenance and Lubrication. These volumes should provide Service Technicians with complete information covering normal service repairs on all 1971 model passenger cars (except Pinto) built by the Ford Companies in the U. S. and Canada. Service procedures for the Pinto are covered in the Pinto Car Shop Manual. As changes in the product occur, this information will be updated by Technical Service Bulletins. When issued, TSB information always supersedes that published herein.

Within each volume, information is grouped by system or component plus "General Service" parts which contain information which is 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 locater 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.

Indicates:



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 oblication.





Identification Codes

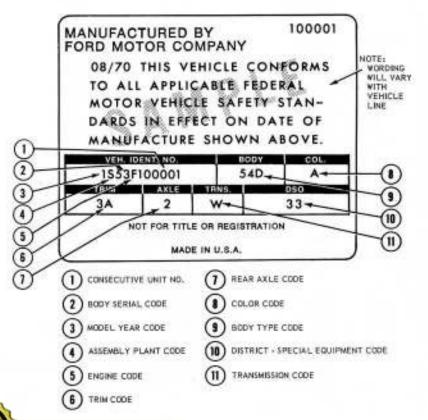
GROUP 20

PART 30-01 Car Identification Codes

OFFICIAL VEHICLE IDENTIFICATION NUMBER

The official Vehicle Identification Number (VIN) for title and registration purposes is stamped on a metal tab that is riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from outside (Fig. 1).

1S53F100001 ----



VEHICLE CERTIFICATION LABEL

The Vehicle Certification Label (V.C. Label) is attached to the rear face of the driver's door. The upper half of the label contains the name of the manufacturer, the month and year of manufacture 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.

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 or letter (or both) indicating the exterior paint color code. The TRIM code consists of a number-letter 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, numerals for manual and letters for automatic. 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.

MODEL YEAR CODE

The number 1 designates 1971.

Y 1298 - A

BUY IT NOW!

and Identification Number











CONSECUTIVE UNIT NUMBER

Starting Serial Numbers-1971 Passenger Cars 100,001-Ford, Torino, Mustang, Thunderbird, Maverick 500,001-Mercury, Meteor, Montego, Cougar, Comet 800,001-Lincoln Continental & Continental Mark III

ASSEMBLY PLANT CODES

	Atlanta
	Oakville (Canada)
	Mahwah
	Dearborn
	Chicago
	Lorain
The second	Los Angeles
	Kansas City
	Norfolk
	Twin Cities
	San Jose
	Allen Park
	Metuchen
	Louisville
	Wayne
	St. Thomas

CY-1299-A

DATE CODES

A number signifying the date preceeds the month code letter. A secondyear code letter will be used if the model exceeds 12 months.

Month	Code First Year	Code Second Year	
January	А	N.	
February	B	P	
March	C	Q	
April	D	R	
May	. E	S	
June	. F	T	
July		U	
August		٧	
September		W	
October		X	
November		Y	
December	M	Z	

DISTRICT CODES (DSO)

Units built on a Domestic Special Order, Foreign Special Order, or other Special orders will have the complete order number in this space. Also to appear in this space is the two-digit code number of the District which ordered the unit. If the unit is a regular production unit, only the District code numwill appear.

Code	District		
11	Boston		
13	New York		
15	Newark		
16	Philadelphia		
17	Washington		
21	Atlanta		
22	Charlotte		
24	Jacksonville		
25	Richmond		
28	Louisville		
32	Cleveland		
33	Detroit		
35	Lansing		
37	Buffalo		
38	Pittsburgh		
41	Chicago		
43	Milwaukee		
44	Twin Cities		
46	Indianapolis		
200	Cincinnati		
34.4440041111111111111111	Denver		
51	Kansas City		
53	Omaha		
54			
55	St. Louis		
56	Davenport		
61	Dallas		
62	Houston		
63 ,	Memphis		
64	New Orleans		
65	Oklahoma City		
71	Los Angeles		
72	San Jose		
73	Salt Lake City		
74	Seattle		
75	Phoenix		
83	Government		
84	Home Office Reserve		
85	American Red Cross		
89	Transporation Services		
90-99	Export		

LINCOLN-MERCURY

Code	District
11	Boston
15	New York
16	Philadelphia
17	Washington
1/	Mileste
41	en Coleman
22	Dallas
23	Jacksonville
26	Memphis
31	Buffalo
32	Cincinnati
55	Clausiand
24	Detroit
24	Contract of the Contract of th
<u> </u>	Chicago
42	
46	Twin Cities
51	Denver
52	Los Angeles
53	Orbland
**	Seattle
04	Home Office Reserve
89	at the same of the
90	Export

FORD OF CANADA

Code	District		
81 82 83 11 thru 17 84 86 87	Central Eastern Atlantic Export Midwestern Western Pacific		
Note: Canadian Lincoln- "A" in place of "B".	Mercury units use prefix		

CK2456-B













Charging System

GROUP

31

PART 31-01 PAGE	
Charging System General Service 31-01-01	Leece-Neville Alternators31-21-01
PART 31-02 Batteries31-02-01	PART 31-40 Autolite Alternator Regulator31-40-01
PART 31-10 Autolite Alternators	PART 31-42 Leece-Neville Alternator Regulator 31-42-01

PART 31-01 Charging System General Service

COMPONENT INDEX	PAGE	COMPONENT INDEX	PAGE
	31-01-01 31-01-02	Charging System	31-01-01 31-01-01 31-01-02

1 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 black. Service fuse links are green or black depending on usage. All

fuse links have the words FUSE LINK printed on the insulation. Fig. 1 shows fuse link installations.

The fuse link burns out, thus protecting the alternator or wiring, when heavy current flows, such as when a booster battery is connected incorrectly or a short to ground occurs in the wiring harness.

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.



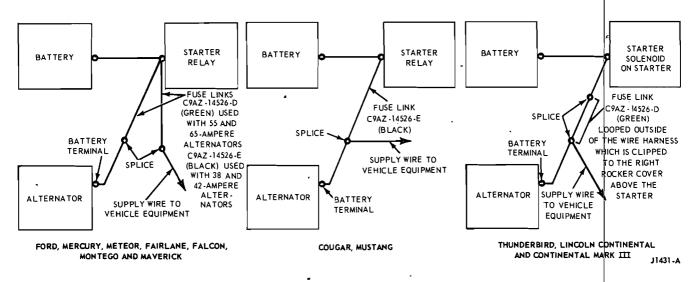


FIG. 1 Fuse Link Installation

2 TESTING

CHARGING SYSTEM

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 technicians with other than approved equipment in order to maintain their meters at acceptable accuracy.

Certain tests outlined in this section are illustrated in schematic and in pictorial form. The schematic illustrates the internal connections of the Rotunda equipment so that these connections can be duplicated when this equipment is not available. The

Rotunda test units are a combination of accepted instruments incorporated into a single unit. The various circuits involved in the tests can be selected by means of switches without the necessity of changing connections. This reduces the time required to test units and circuits on the vehicle.

Where applicable, the tests are divided into On The Vehicle and On The Test Bench 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.

FUSE LINK CONTINUITY TEST

- 1. On the Cougar, Mustang, Thunderbird, Lincoln Continental and Continental Mark III, make certain first that the battery is OK, then turn on the headlights or any accessory. If the headlights or accessory do not operate, the fuse link is probably burned out.
- 2. On the Ford, Mercury, Meteor, Torino, Montego, Maverick and Comet, there are two fuse links (Fig. 1). Use the same procedure as in step 1 to test the fuse link that protects the vehicle equipment.

To test the fuse link that protects the alternator, make certain that the battery is OK then check with a voltmeter for voltage at the BAT terminal of the alternator. No voltage indicates that the fuse link is probably turned out.

4 REMOVAL AND INSTALLATION



stud on one end. When the terminal is not required, cut off the fuse link as close to the terminal as possible and strip approximately 3/8-inch of insulation from the cut end.

- 2. Disconnect the battery ground cable.
- 3. Disconnect the fuse link and/or fuse link eyelet terminal from the battery terminal of the starter

relay. On the Thunderbird, Lincoln Continental and the Continental Mark III, the fuse link is looped outside of the wire harness behind the point at which the harness is clipped to the right rocker cover above the starter.

- 4. Cut the fuse link and the
- splice(s) from the wire(s) to which it is attached.
- 5. Splice and solder the new fuse link to the wire(s) from which the old link was cut. Use rosin core solder. Wrap the splice(s) completely with vinyl electricians tape.
- 6. Securely connect the eyelet terminals (if any) to the battery stud on the starter relay.
- 7. Install the repaired wiring as before using existing clips if provided.
- 8. Connect the ground cable to the battery.



ı

PART 31-02 Batteries

COMPONENT INDEX	PAGE	COMPONENT INDEX		PAGE
SPECIFICATIONS	31-02-03	TESTING With Rotunda Battery-Starter Tester (Are 16-31) With Rotunda Cell Analyzer (SRECA-200)	<u>.</u>	31-02 -02

2 TESTING

Tests are made on a battery to determine the state of charge and also the condition. The ultimate result of these tests is to show that the battery is good, needs recharging, or should be replaced.

If a battery has failed, is low in charge, or requires water frequently, good service demands that the reason for this condition be found. It may be necessary to follow trouble shooting procedures to locate the cause of the

trouble. Refer to the Ford Car and Truck Diagnosis Manual for battery diagnosis procedures.

Hydrogen and oxygen gases are produced during normal battery operation. This gas mixture can explode if flames or sparks are brought near the vent openings of the battery. The sulphuric acid in the battery electrolyte can cause a serious burn if spilled on the skin or spattered in the eyes. It should be flushed away

with large quantities of clear water.

Particular care should be used when connecting a booster battery in order to prevent sparks. Be certain to connect positive terminal to positive terminal and negative terminal to negative terminal.

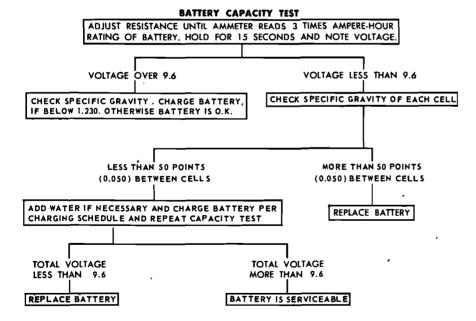
Before attempting to test a battery, it is important that it be given a thorough visual examination to determine if it has been damaged. The presence of moisture on the outside of the case and/or low electrolyte level in one or more of the cells are indications of possible battery damage.

Autolite batteries have a single one-piece cover which completely seals the top of the battery and the individual cell connectors. This cover must not be pierced with test probes to perform individual cell tests.

TESTS USING THE ROTUNDA CELL ANALYZER (SRECA-200)

The Rotunda Cell Analyzer (SRECA-200) measures the individual cell voltages by inserting probes into the cell openings. Follow the instructions provided with the unit.

A battery can also be tested by determining its ability to deliver current. This may be determined by conducting a Battery Capacity Test. Fig. 1 shows the battery capacity test in outline form.





J 1039- F

TESTS USING THE ROTUNDA BATTERY—STARTER TESTER ARE 16-31

Battery Capacity Test

- A high rate discharge tester (Rotunda Battery-Starter Tester ARE 16-31) in conjunction with a voltmeter is used for this test.
- 1. Turn the control knob on the BatteryStarter Tester to the OFF position.
- 2. Turn the voltmeter selector switch to the 20-volt position.
- 3. Connect both positive test leads to the positive battery post and both negative test leads to the negative battery post. The voltmeter clips must contact the battery posts and not the high rate discharge tester clips. Unless this is done, the actual battery terminal voltage will not be indicated.
- 4. Turn the load control knob in a clockwise direction until the ammeter reads three times the ampere hour rating of the battery. (A 45 ampere-hour battery should be tested at 135 amperes load).
- 5. With the ammeter reading the required load for 15 seconds, note the voltmeter reading. Avoid leaving the high discharge load on the battery for periods longer than 15 seconds.
- 6. If the voltmeter reading is 9.6 volts or more, the battery has good output capacity and will readily accept a charge, if required. Check the specific gravity. If the specific gravity reading is 1.230 or below, add water if necessary and charge the battery until it is fully charged (Fig. 1). Always disconnect the battery ground cable

Specific	Charge		Battery Co	pacity — A	mpere Hours	
Gravity Reading	Rate Amperes	45	55	70	80	85
1.125-1.150①	35	65 min.	80 min.	100 min.	115 min.	125 min.
1.150-1.175	35	50 min.	65 min.	80 min.	95 min.	105 min.
1.175-1.200	35	40 min.	50 min.	60 min.	70 min.	75 min.
1.200-1.225	35	30 min.	35 min.	45 min.	50 min.	55 min.
Above 1.225	5	2	2	2	@	2

- If the specific gravity is below 1.125, use the indicated high rate of charge for the 1.125 specific gravity, then charge at 5 amperes until the specific gravity reaches 1.250 at 80° F.
- ②Charge at 5 ampere rate only until the specific gravity reaches 1.250 at 80° F.
- At no time during the charging aperation should the electrolyte temperature exceed 130° F.

J 1355-C

FIG.2 Allowable Battery High Rate Charge Time Schedule

when charging the battery.

The battery is fully charged when the cells are all gassing freely and the specific gravity ceases to rise for three successive readings taken at hourly intervals. Additional battery testing will not be necessary after the battery has been properly charged.

Batteries

- 7. If the voltage reading obtained during the capacity test is below 9.6 volts, check the specific gravity of each cell.
- 8. If the difference between any two cells is more than 50 points (0.050), the battery is not satisfactory for service and should be replaced.
- 9. If the difference between cells is less than 50 points (0.050), the battery should be charged according to the charging schedule in Fig. 2. In some cases the electrolyte level may be

too low to obtain a specific gravity reading. In such cases water should be added until the electrolyte level just covers the ring in the filler well, then charge the battery at 35 amperes for the maximum charging time indicated in Fig. 2 for the capacity of the battery being tested.

- 10. After the battery has been charged, repeat the capacity test. If the capacity test battery voltage is still less than 9.6 volts, replace the battery. If the voltage is 9.6 volts or more, the battery is satisfactory for service.
- 11. If the battery is found to be discharged only, check for a loose fan belt, loose electrical connections and charging system performance.



9 SPECIFICATIONS

BATTERIES

Allowable Battery High Rate Charge Time Schedule								
Specific	Charge	Battery Capacity—Ampere Hours						
Gravity Reading	Rate Amperes	- 45	55	70	80	85		
1.125-1.150①	35	65 min.	80 min.	100 min.	115 min.	125 min.		
1.150-1.175	35	50 min.	65 min.	80 min.	95 min.	105 min.		
1.175-1.200	35	40 min.	50 min.	60 min.	70 min.	75 min.		
1.200-1.225	35	30 min.	35 min.	45 min.	50 min.	55 min.		
Above 1.225	5	3	0	.@	0	(ટ		

Olf the specific gravity is below 1.125, use the indicated high rate of charge for the 1.125 specific gravity, then charge at 5 amperes until the specific gravity reaches 1.250 at 80° F.

Ocharge at 5 ampere rate only until the specific gravity reaches 1.250 at 80° F.

At no time during the charging operation should the electrolyte temperature exceed 130° F.

	Battery Freez	ing Temperatures		
Specific Gravity	Freezing Temp	Specific Gravity	Freezing Temp	
1.280	−90°F	1.150	+5°F	
1.250	_62°F	1.100	+19°F	
1.200	−16°F	1.050	+27°F	
Amp	tery pere urs		umber Of lates	
45			54	
55			66	
70			66	
80			78	

CJ 1447-A



1965/72

FINAL ISSUE

Master Parts and ment 1635-B

Source Port Form FP 1635-B

Ford Publication

Supersends All Previous Issues, Changes and Revisions

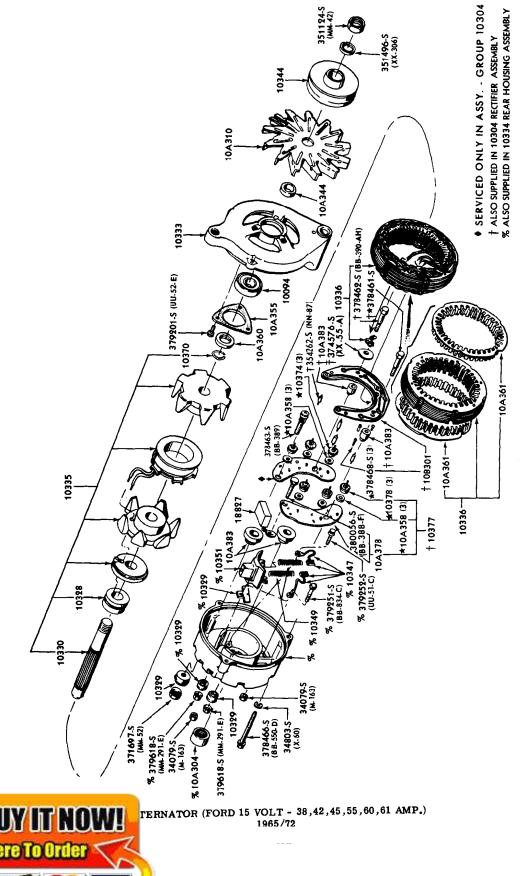


PYRIGHT 1975 --

FINAL ISSUE

FORD MOTOR

-- DEARBORN, MICHIGAN



PayPall

VISA



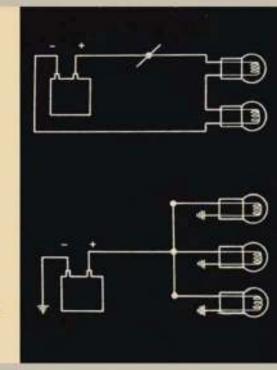


READY REFERENCE

13001

HOW TO READ WIRING DIAGRAMS

VOL 68 S7 L2A





REGISTERED TECHNICIAN

HOW TO READ WIRING DIAGRAMS

TABLE OF CONTENTS

		rag
INTRODUCTION		
A LOGICAL APPROACH TO ELECTRICAL DIAGNOSIS	. 	1
Like reading a road map		${2 \atop 2}$
CIRCUIT - A COMPLETE ELECTRICAL PATH BETWEEN TWO POINTS		5
2-wire circuit		6 6 7
OPEN CIRCUITS		8
Shorts		9 9 10
BREAKS IN PARALLEL CIRCUITS		11
Common points	· · · · · · · · · · · · · · · · · · ·	14 15 17 18 20 22
HINTS FOR TRACING WIRES THROUGH A DRAWING		23
Curve directions		25 26 28 29
CUAAAA A DV		31



NATIONAL SERVICE OFFICE FORD DIVISION



FIRST PRINTING - JANUARY, 1968

© 1968 FORD MOTOR COMPANY 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 . . .

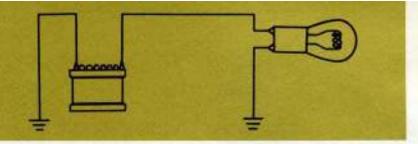
... is to acquaint you with the systems by which electrical circuits are traced on vehicles. Specifically, it is designed to help you acquire the ability to make your own power checks, quickly and accurately.

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

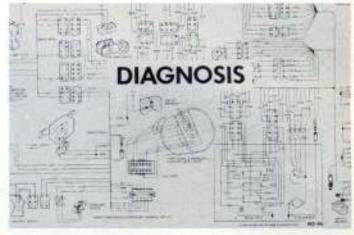


If a customer comes in because his headlights aren't working, you can't just make a snap decision. That's not the professional way.



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.





Click Here To Order





essional.