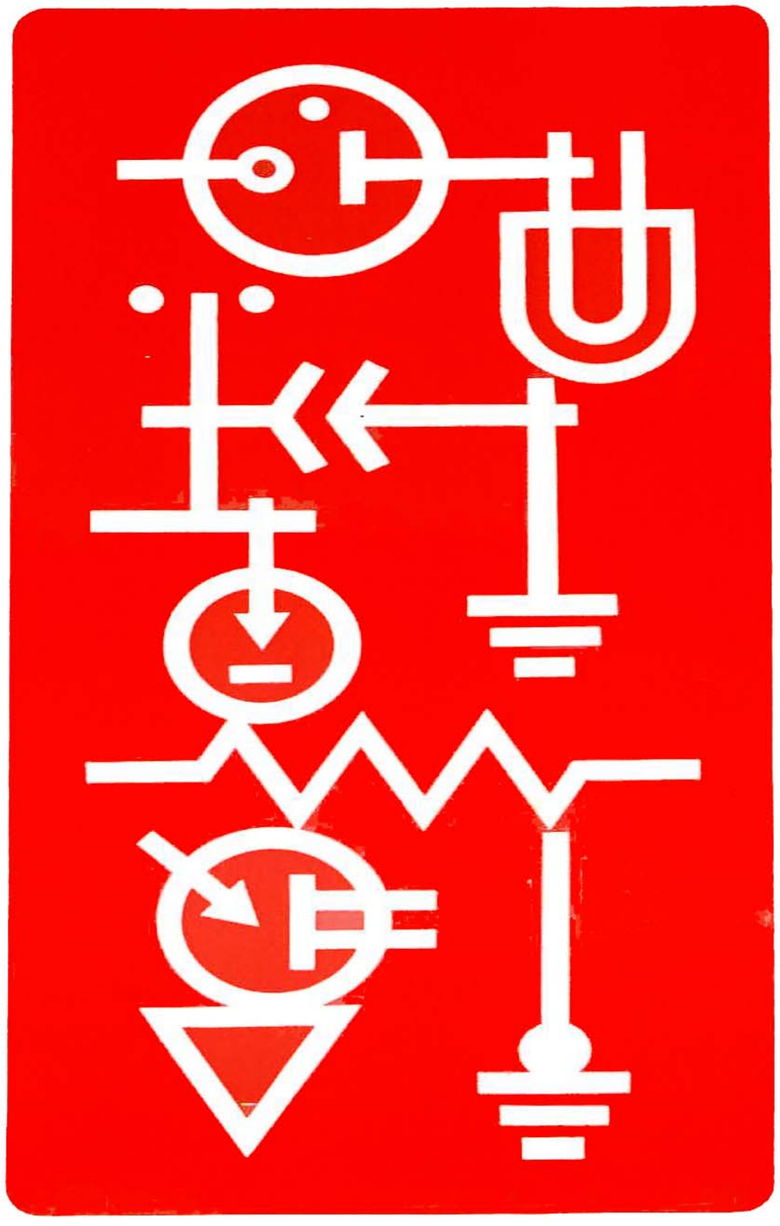
COURSE 0337-101



1977 Truck Wiring Diagrams

(100-800 Series)

Bronco
Econoline
F/100-350
B/F/600-700 Cowl
B/F/600-800 Cab

Complete Set of Original OEM
Ford Motor Company Wiring Diagrams

Ford Parts and Service Division
Training and Publications Department

1977 Ford Truck Wiring Diagrams (100-800 Series)
EAN: 978-1-60371-205-7
ISBN: 1-60371-205-4

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

Note from the Publisher

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

Disclaimer

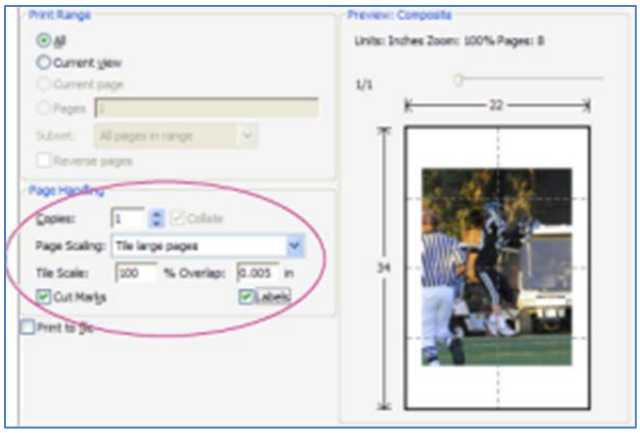
Although every effort was made to ensure the accuracy of this book, no representations or warranties of any kind are made concerning the accuracy, completeness or suitability of the information, either expressed or implied. As a result, the information contained within this book should be used as general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

How to Print Wiring Diagram Pages

Many of the original Ford wiring manuals were created in a very large format (11x17, 17x24, and 17x36) making it difficult to print on a standard home printer. Some printers will print only a portion of the entire page, while others will shrink the page into an unreadable format. However, Adobe Reader has the ability to print sections (known as Tiles) of the page onto standard 8.5x11 paper. Please use the steps below to print these wiring diagrams.

You can print a large format document, such as these wiring diagrams, by splitting the page across multiple sheets of paper (called "tiling"). The tiling option calculates how many sheets of paper are needed. You can adjust the size of the original to best fit the paper and specify how much each "tile" overlaps. You can then piece together the tiles.

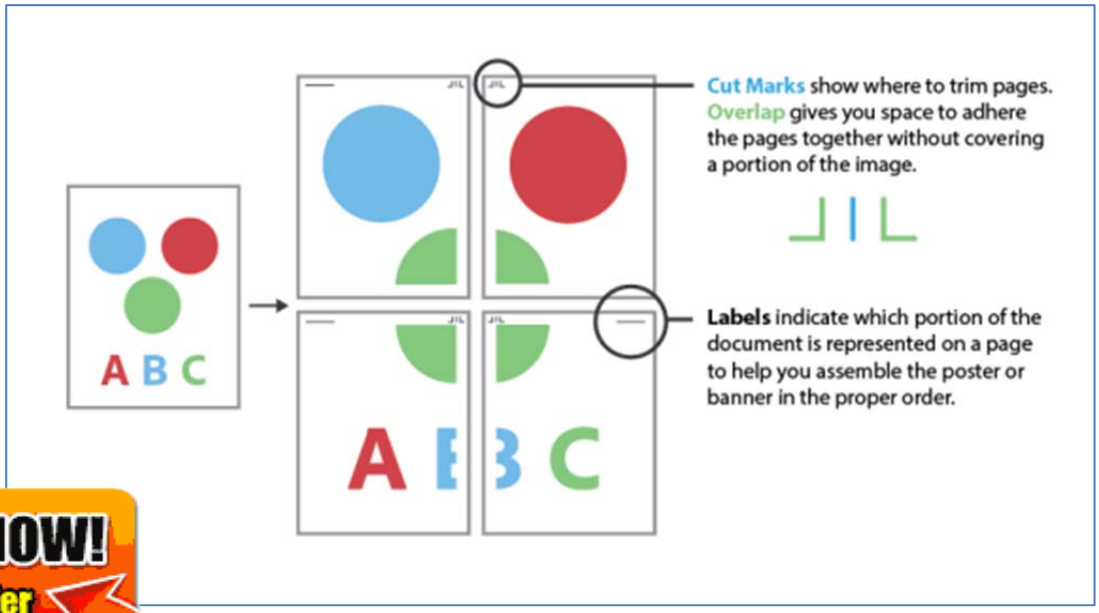
1. Choose File > Print.
2. From the Page Scaling pop-up menu, select one of the following options:
   Tile Large Pages Tile only the pages that are larger than the paper.
   Tile All Pages Tile all the pages in the PDF file.



Note: If the tile options are not in the menu, make sure that the following options are not selected in the Advanced Print dialog box: Print As Image or, for Acrobat only, Separations or In-RIP Separations. Also check your version of Reader. Reader 9 does not support tiling.

3. Set the following options as needed:
   Tile Scale Scales the pages by the amount you specify.
   Overlap Determines the amount each tile overlaps adjacent tiles.
   Cut Marks Adds guide marks to each page to help you trim the overlap.
   Labels Adds the filename and page number on each "tile".

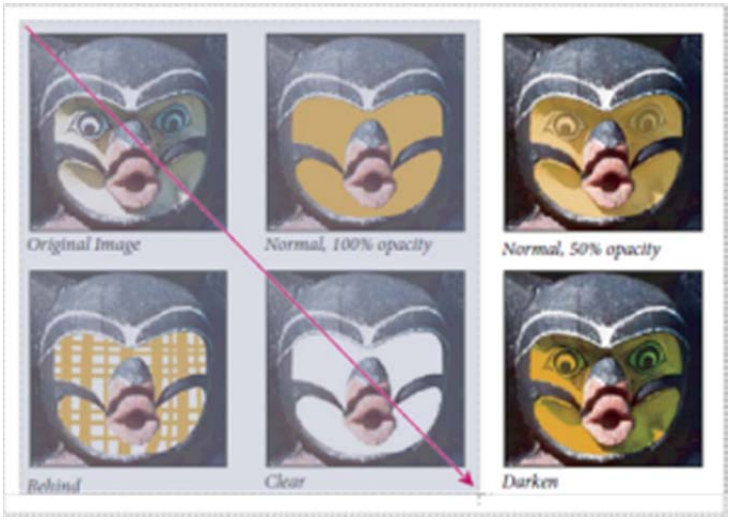
4. Click OK or Print.

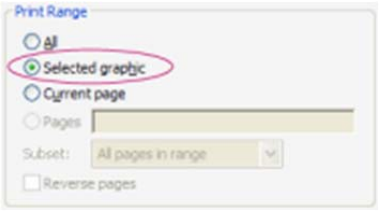


How to Print a Portion of a Wiring Diagram

You can print a portion of a page in a PDF. The Snapshot Tool lets you select just the area you want to print. The area can be text, graphics, or both. You can print the selected area full size or resize it to fit the paper.

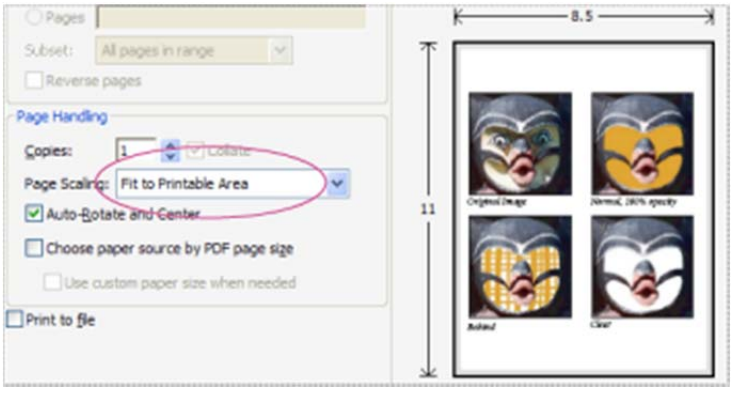
1. Open the PDF in Adobe Reader or Adobe Acrobat.
2. (Acrobat X/Reader X) Choose Edit > Take A Snapshot. (Acrobat 9/Reader 9) Choose Tools > Select & Zoom > Snapshot Tool.
3. Drag a rectangle around the area you want to print.
4. Choose File > Print.
5. Make sure that the **Selected Graphic** option is selected in the Print Range area of the Print dialog box.





6. (Optional) To enlarge the selected text or graphic to fit the sheet of paper, choose Fit To Printable Area from the Page Scaling pop-up menu.

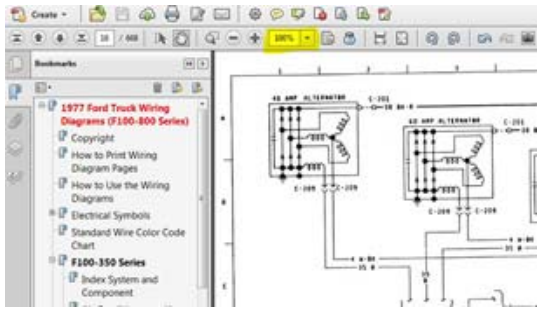
Note: Enlarging the area reduces the printed resolution.



7. Click OK or Print.

How to Print a Portion of a Wiring Diagram

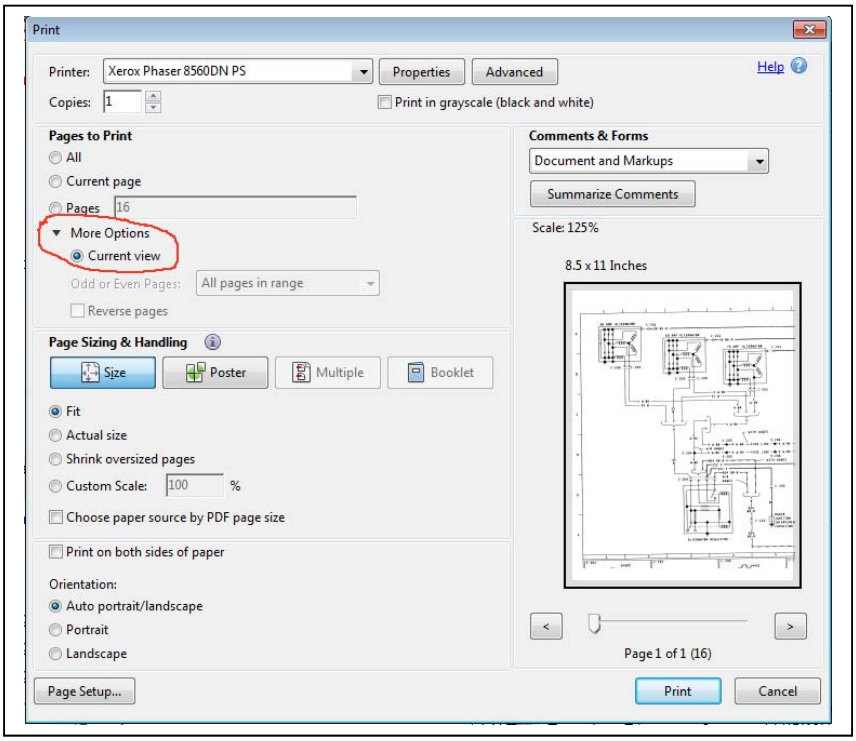
Print Current View



You can print just the current zoom-in view of a page in a PDF. The print ***Current View*** lets you print just the current view seen on the screen. The area can be text, graphics, or both. You can print the selected area full size or resize it to fit the paper.

1. Open the PDF in Adobe Reader or Adobe Acrobat.
2. Zoom into the portion of the diagram you want to print.
3. Choose File > Print.
4. Make sure the **Current View** option is selected in the Pages to Print area of the Print dialog box.

   Note – To select Current view, you may need to click the “More Options” dropdown.



5. (Optional) To enlarge the selected text or graphic to fit the sheet of paper, choose Fit To Printable Area from the Page Scaling pop-up menu.

Note: Enlarging the area reduces the printed resolution.

6. Click OK or Print.

1977 TRUCK WIRING DIAGRAMS

- Bronco
- Courier
- Econoline
- P-Series
- F-100-350 Series
- F-600-800 Series
- B-600-800 Series
- C-Series
- W-Series
- L-Series - Line Haul
- L-Series - City Delivery

Ford Parts and Service Division
Training and Publications Department

HOW TO USE THE WIRING DIAGRAMS

INDEX

An INDEX is provided behind the divider for each truck series. The index page contains an alphabetically arranged list of systems and components and a bulb usage list. The index lists the location of the components on the drawing. Examples of the two types of index references are shown:

A. To locate an electrical part at D-49, find the location number 49 at the top of the illustration. Then, find the letter D on the side of the illustration. Follow the number and the letter until the lines intersect. The part will be within an inch or two of the intersection.

B. To locate an electrical part at PG3-D10, turn to page 3 as indicated in the lower right corner of the sheet. Then, find the number 10 at the top of the illustration and the letter D on the side of the illustration. Follow the number and the letter until the lines intersect. The part will be within an inch or two of the intersecting lines.

BASIC INFORMATION

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 that are explained as follows:

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

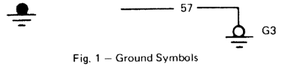


Fig. 1 – Ground Symbols

- Wire color code is shown in Figure 2. Wire color codes (by color) are listed on page 5.

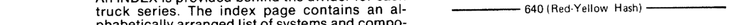


Fig. 2 – Wire Color Code

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

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

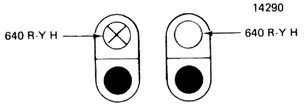


Fig. 3 – Harness Number

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

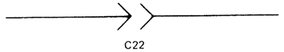


Fig. 4 – Wire Connector Code

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

Fig. 5 – Male Connector Codes

- Female connector symbol is shown in Figure 6.

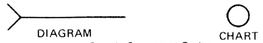


Fig. 6 – Female Connector Codes

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

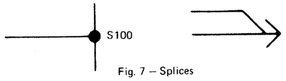


Fig. 7 – Splices

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

Electrical symbols used in the schematics are illustrated and described below and on the next page.

ELECTRICAL SYMBOLS

BASIC SYMBOLS

- = A TERMINAL CONNECTION
- = A FEMALE TERMINAL
- = A MALE TERMINAL
- = A GRAPHIC FEMALE ROUND TERMINAL. AND/OR A SWITCH CONTACT. AND/OR A STUD ON A COMPONENT.
- = A GRAPHICS MALE TERMINAL (STD.)
- = A SPLICE. AND/OR A CHASSIS CONNECTION. AND/OR A GRAPHICS EMPTY CONNECTOR CAVITY FOR A STANDARD ROUND PIN TERMINAL.
- = A GRAPHICS BIG FEMALE TERMINAL
- = A GRAPHICS BIG MALE TERMINAL
- = A GRAPHICS EMPTY CONNECTOR CAVITY FOR A BIG ROUND TERMINAL.
- = A GRAPHICS ARCLESS FEMALE TERMINAL
- = A GRAPHICS ARCLESS MALE TERMINAL
- = A GRAPHICS EMPTY CONNECTOR CAVITY FOR ARCLESS TERMINALS.
- = A WIRE TERMINATION
- = AN EYELET TERMINAL GROUND
- = A CHASSIS GROUND
- = A SINGLE EYELET CONNECTION
- = AN EYELET CONNECTION TO A STUD. OR A SERIES OF EYELET CONNECTIONS.
- = WIRE SHIELD
- = JUNCTION BLOCKS
  1 = SINGLE TERMINAL
  2 = DOUBLE TERMINAL
  3 = DOUBLE TERMINAL WITH BUSS BAR
- = MOMENTARY SWITCH CONTACT
- = DISTRIBUTOR SWITCH CONTACT
- = BREAK BEFORE MAKE SWITCH WIPER (THREE OR MORE POSITIONS)
- = MAKE BEFORE BREAK SWITCH WIPER (THREE OR LESS POSITIONS)
- = HINGED PALL SWITCH WIPER (THREE OR LESS POSITIONS)
- = A PUSH OR PULL SWITCH WIPER
- = A FIXED RESISTANCE
- = A VARIABLE RESISTANCE
- = A THERMISTOR
- = A POTENTIOMETER OR A RHEOSTAT. DEPENDING ON EXTERNAL CIRCUITY.
- = A FIXED CAPACITOR
- = A VARIABLE CAPACITOR
- = A HEATER AND/OR TEMPERATURE SENSITIVE ELEMENT
- = VARIOUS SIZE FUSES (USED WITH FUSE PANELS)
- = AN INLINE FUSE & HOLDER
- = A CIRCUIT BREAKER (FUSE PANEL MOUNTED) (SELF RE-SETTABLE)
- = A CIRCUIT BREAKER (FUSE PANEL MOUNTED) (MANUALLY RE-SETTABLE)
- = AN INLINE CIRCUIT BREAKER (SELF RE-SETTABLE)
- = A COIL AND/OR INDUCTOR (W/O IRON CORE)
- = A COIL AND/OR INDUCTOR (WITH IRON CORE)
- = A DIODE
- A SILICON CONTROL RECTIFIER
- = A ZENER DIODE
- = AN INLINE DIODE
- = A TRANSISTOR (PNP)
- = A TRANSISTOR (NPN)

ELECTRICAL SYMBOLS

COMPONENT SYMBOLS

MISCELLANEOUS COMPONENTS

= A BATTERY (12 VOLT)

= A SINGLE FILAMENT BULB (W/O GROUND)

MAJOR FILAMENT

MINOR FILAMENT

= A DUAL FILAMENT BULB (W/O GROUND)

= A HIGH BEAM HEADLAMP

= A MERCURY SWITCH

= A CLOCK

= A METER (GAUGE)

= A HORN

= A CIGAR LIGHTER

= A BUZZER

= A SPEAKER

RELAYS

= A RELAY (SINGLE POLE, SINGLE THROW, NORMALLY OPEN)

= A RELAY (SINGLE POLE, SINGLE THROW, NORMALLY CLOSED)

= A RELAY (SINGLE POLE, DOUBLE THROW, ONE CONTACT NORMALLY CLOSED)

= A RELAY (DOUBLE POLE, SINGLE THROW, NORMALLY OPEN)

= A RELAY (DOUBLE POLE, DOUBLE THROW ONE CONTACT – EACH POLE NORMALLY CLOSED)

= A RELAY – DOUBLE COIL (SINGLE POLE, DOUBLE THROW, ONE CONTACT NORMALLY CLOSED PER COIL)

HINGED PALL SWITCHES

= A SWITCH (SINGLE POLE, SINGLE THROW, NORMALLY OPEN)

= A SWITCH (SINGLE POLE, SINGLE THROW, NORMALLY OPEN, TEMPERATURE SENSITIVE)

= A SWITCH (SINGLE POLE, SINGLE THROW, NORMALLY CLOSED)

= A SWITCH (SINGLE POLE, SINGLE THROW, NORMALLY OPEN, MOMENTARY)

= A SWITCH (SINGLE POLE, DOUBLE THROW, CENTER NORMALLY OPEN)

= A SWITCH (SINGLE POLE, DOUBLE THROW, ONE CONTACT NORMALLY CLOSED)

= A SWITCH (SINGLE POLE, DOUBLE THROW, CENTER NORMALLY OPEN, BOTH CONTACTS MOMENTARY)

= A SWITCH (SINGLE POLE, DOUBLE THROW, ONE CONTACT NORMALLY CLOSED, ONE CONTACT MOMENTARY)

= A SWITCH (DOUBLE POLE, DOUBLE THROW, NORMALLY CLOSED, GANGED, TEMPERATURE SENSITIVE)

= A SWITCH (DOUBLE POLE, DOUBLE THROW, NORMALLY OPEN, GANGED)

= A SWITCH (DOUBLE POLE, DOUBLE THROW, ONE CONTACT EACH POLE – NORMALLY CLOSED, GANGED)

= A SWITCH (DOUBLE POLE, DOUBLE THROW, ONE CONTACT EACH POLE – NORMALLY CLOSED, ONE COMMON DUAL CONTACT FOR EACH POLE – MOMENTARY)

= A SWITCH (DOUBLE POLE, DOUBLE THROW, ONE COMMON DUAL CONTACT FOR EACH POLE – NORMALLY CLOSED, TWO CONTACTS PER POLE NORMALLY OPEN)

SOLENOIDS

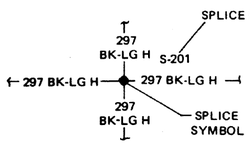
= A SOLENOID (SINGLE)

= A SOLENOID (MULTIPLE)

= A SOLENOID (DUAL COIL – ONE COIL FOR "PULL-IN" AND ONE FOR "HOLDING")

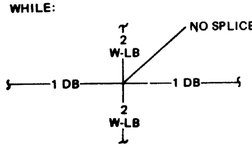
SPLICES

SPLICED WIRES SHALL BE REPRESENTED BY:

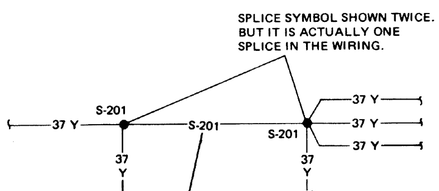


TO REDUCE DRAWING CLUTTER, THE SPLICE SYMBOL MAY BE EXPANDED BEYOND THE SINGLE BLACK DOT, AS SHOWN BELOW.

WHILE:



THESE WIRES SIMPLY PASS EACH OTHER, AND ARE NOT CONNECTED ELECTRICALLY.




SATISFACTION
100%
GUARANTEED
BUY IT NOW!
Click Here To Order
PayPal
Cards
DISCOVER
NOVUS
VISA


SATISFACTION
100%
GUARANTEED
BUY IT NOW!
Click Here To Order
PayPal
Cards
DISCOVER
NOVUS
VISA


SATISFACTION
100%
GUARANTEED
BUY IT NOW!
Click Here To Order
PayPal
Cards
DISCOVER
NOVUS
MasterCard
VISA

SYSTEM PAGE

WIRING COLOR KEY
PRIMARY COLORS

BLACK	BK
BLUE	BL
BROWN	BR
GRAY	GY
GREEN	GR
ORANGE	O
PURPLE	P
RED	R
WHITE	W
YELLOW	Y

STRIPE IS UNDERSTOOD AND HAS NO COLOR KEY

STRIPE OPTIONAL WHEN CIRCUIT NUMBER HAS (*)

BULB CHART

LAMP DESCRIPTION	TRADE NUMBER
BRAKE WARNING INDICATOR	1445
CLUSTER ILLUMINATION	1895
DOME	212-2
HDLP SW / W/S/W/WASHER ILLUM	2162
HEATER CONTROLS ILLUMINATION	2162
HI BEAM INDICATOR	1895
L.H. BACKUP	1156
L.H. FRONT SIDE MARKER	194
L.H. LO BEAM HEAD	6012
L.H. REAR SIDE MARKER	194
L.H. FRONT PARK & T/S	1157
L.H. STOP PARK & T/S	1157
L.H. TURN INDICATOR	1895
LICENSE	1178
MAP	212-2
PRNDL ILLUMINATION	161
R.H. BACKUP	1156
R.H. FRONT SIDE MARKER	194
R.H. LO BEAM HEAD	6012
R.H. REAR SIDE MARKER	194
R.H. FRONT PARK & T/S	1157
R.H. STOP PARK & T/S	1157
R.H. TURN INDICATOR	1895
AM RADIO	1895

COMPONENT	PAGE	LOC
ALTERNATOR	2	B1
AMMETER		
LOOP	1	A7
LOOP	2	B3
BATTERY		
12 VOLT	1	B4
12 VOLT	2	C3
CAPACITOR		
RADIO VOLTAGE REGULATOR	2	E3
CHOKE		
ELECTRIC	2	B2
COIL		
IGNITION	2	E6
DISTRIBUTOR		
8 CYL 302 BREAKERLESS	2	D7
FLASHER		
EMERGENCY WARNING	3	B8
TURN SIGNAL	3	B7
GAUGE		
FUEL	2	B12
OIL PRESSURE	2	B10
WATER TEMPERATURE	2	B11
HEATER		
ENGINE BLOCK	3	B15
HORN		
LOW PITCH	2	E16
LAMP		
BRAKE WARNING INDICATOR	2	B7
CLUSTER ILLUMINATION	4	D5
CLUSTER ILLUMINATION	4	D5
CLUSTER ILLUMINATION	4	D6
DOME	4	D10
HDLP SW / W/S/W/WASHER ILLUM	4	D3
HEATER CONTROLS ILLUMINATION	4	D2
HI BEAM INDICATOR	3	E2
L.H. BACKUP	3	E13
L.H. FRONT SIDE MARKER	3	E5
L.H. LO BEAM HEAD	3	E1
L.H. REAR SIDE MARKER	3	E10
L.H. FRONT PARK & T/S	3	E5
L.H. STOP PARK & T/S	3	E9
L.H. TURN INDICATOR	3	E6
LICENSE	3	E11
MAP	4	D11
PRNDL ILLUMINATION	4	D7
R.H. BACKUP	3	E14
R.H. FRONT SIDE MARKER	3	E3
R.H. LO BEAM HEAD	3	E2
R.H. REAR SIDE MARKER	3	E11
R.H. FRONT PARK & T/S	3	E4
R.H. STOP PARK & T/S	3	E12
R.H. TURN INDICATOR	3	E7

COMPONENT	PAGE	LOC
LIGHTER		
CIGAR	4	D11
MODULATOR		
BREAKERLESS IGNITION	2	E5
MOTOR		
BLOWER	2	E15
STARTER	2	F4
W/S WASHER PUMP	4	D15
W/S WIPER	4	D13
PANEL		
FUSE	1	A1
RECEIVER		
AM RADIO	3	C16
REGULATOR		
ALTERNATOR	2	D1
INSTRUMENT CLUSTER VOLTAGE	2	B13
RELAY		
HORN	2	C16
STARTER MOTOR	1	B3
STARTER MOTOR	2	C4
RESISTOR		
BLOWER MOTOR	2	C15
SENDER		
FUEL GAUGE	2	E12
FUEL GAUGE	2	E13
OIL PRESSURE	2	E10
WATER TEMPERATURE INDICATOR	2	E11
SOLENOID		
CARBURETOR VALVE CONTROL	2	C7
SPEAKER		
RADIO RECEIVER	3	E16
SWITCH		
BACKUP LAMP	3	B13
DUAL BRAKE WARNING	2	C7
FUEL TANK SELECTOR	2	C13
HEADLAMP	1	D7
HEADLAMP	3	A3
HEADLAMP	4	B10
HEADLAMP DIMMER	3	B1
HEATER BLOWER	2	B15
HORN	2	E16
IGNITION	1	C5
IGNITION	2	A4
STOPLAMP	3	A6
TURN AND EMERGENCY SIGNAL	3	C6
W/S/W WASHER	4	B15

GROUND CODES

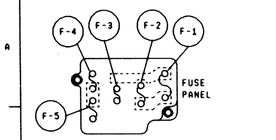
SPLICE CODES

ELECTRICAL SYSTEMS 1977 BRONCO
INDEX-SYSTEM AND COMPONENT

EFFECTIVE P.C.R.
SUPERSEDES
DATE 7-1-76

TRPO ELECT INST MAN PAGE E7T-900-INDEX
SERVICE AND TRAINING MAN PAGE INDEX

365-1980-77



FUSE PANEL LOCATED IN GLOVE BOX ON R.H. SIDE OF DASH PANEL

F-1 (20 AMP) HEATER

F-2 (14 AMP) BACK UP LAMP , RADIO, TURN SIGNAL & WIND SHIELD WASHER

F-3 (2 AMP) INSTRUMENT PANEL ILLUM

F-4 (15 AMP) DOME LAMP & CIGAR LIGHTER

F-5 (20 AMP) EMERGENCY WARNING FLASHER

33 Y → HORN, HORN RELAY.

152 Y → CHARGE START & RUN, ALTERNATOR REGULATOR

37 BK-Y → CHARGE START & RUN, ALTERNATOR

284 R → EXTERIOR LIGHTING, STOPLAMP SWITCH

33 Y — FUSE LINK — 38 BK-R — S-201 — 152 Y — 38 BK-R — C-206 — 38 BK-R — C-205 — 37 BK-Y — LOOP AMMETER

RED — C-211 — STARTER MOTOR RELAY — C-207 — 12 VOLT BATTERY — C-208 — BK — G-202

37 BK-Y

19 BL-R — F-3 (2 AMP) — 19 BL-R → ILLUMINATION LAMPS, S-301.

21 Y — C-240 — S-204 — 37 BK-Y — BUSS — F-5 (20 AMP) — 383 R-W → EXTERIOR LIGHTING, EMERGENCY WARNING FLASHER

37 BK-Y — BUSS — F-4 (15 AMP) — 54 GR-Y → 54 GR-Y

40 BL-W → 40 BL-W → PROTECTION & CONVENIENCE, CIGAR LIGHTER

IGNITION SWITCH

SWITCH POSITIONS
S-START
R-RUN
O-OFF
A-ACCY

284 R — 25 BK-O — 19 BL-R — C-408 — HEADLAMP SWITCH — C-408

C-241 — 297 BK-GR

285 BR → 285 BR → EXTERIOR LIGHTING, R H FRONT SIDE MARKER LAMP

285 BR → 285 BR → EXTERIOR LIGHTING, L H FRONT SIDE MARKER LAMP

15 R-Y → 15 R-Y → EXTERIOR LIGHTING, HEADLAMP DIMMER SWITCH

30 BK-GR → 30 BK-GR → CHARGE START & RUN, INSTRUMENT CLUSTER VOLTAGE REGULATOR (CV UNIT)

F-1 (20 AMP) — BUSS — 399 BR → HEATER, HEATER BLOWER SWITCH.

8 O-Y → EXTERIOR LIGHTING, TURN SIGNAL FLASHER.

137 Y-BK → RADIO, AM RADIO RECEIVER

140 BK-R → EXTERIOR LIGHTING, BACKUP LAMP SWITCH.

297 BK-GR — S-202 — 297 BK-GR — 8 O-Y — F-2 (14 AMP) — S-302

950 W-BK → WINDSHIELD WIPER/WASHER, WINDSHIELD WIPER & WASHER SWITCH.

763 O-W → 763 O-W

C-205

14401 38 BK-R — 14401 37 BK-Y

REAR OF INSTRUMENT CLUSTER

C-206

14305 37 BK-Y, 904 GR-R, 38 BK-R — 14401 37 BK-Y, 904 GR-R, 38 BK-R

BROWN

R.H. FENDER APRON NEAR ALTERNATOR REGULATOR

C-207

14300 RED

■ BATTERY POSITIVE TERMINAL OF BATTERY

C-208

14301 BLACK

■ BATTERY NEGATIVE TERMINAL OF BATTERY

C-211

14401 33 Y

14305 38 BK

14300 RED

■ STARTER MOTOR RELAY R.H. FENDER APRON

C-240

14401 (2) 32 R-BL, 16 R-GR + 904 GR-R, 21 Y

■ IGNITION SWITCH BEHIND INSTRUMENT PANEL RIGHT OF STEERING COLUMN

C-241

13927 296 R

14401 297 BK-GR

■ IGNITION SWITCH BEHIND INSTRUMENT PANEL RIGHT OF STEERING COLUMN

C-408

14401

284 R
25 BK-O
54 GR-Y + 40 BL-W
(2) 285 BR
15 R-Y
19 BL-R
(2) 53 BK-BL

■ HEADLAMP SWITCH BEHIND INSTRUMENT PANEL RIGHT OF STEERING COLUMN

GROUND CODES

G-202	ON ENGINE BLOCK NEAR ALTERNATOR

SPLICE CODES

S-201	IN 14305 NEAR TAKEOUT TO STARTER MOTOR RELAY
S-202	IN 14401 NEAR TAKEOUT TO IGNITION SWITCH
S-204	IN 14401 NEAR TAKEOUT TO IGNITION SWITCH
S-302	IN 14401 NEAR TAKEOUT TO HEADLAMP SWITCH

ELECTRICAL SYSTEMS 1977 BRONCO
POWER DISTRIBUTION

EFFECTIVE P.C.R.
SUPERSEDES
DATE 7-1-76

TRPO ELECT INST MAN PAGE E7T-900-1
SERVICE AND TRAINING MAN PAGE 1

SYSTEM — PAGE

WIRING C0L0R KEY
PRIMARY C0L0RS

BLACK	BK
BLUE	BL
BR0WN	BR
GRAY	GY
GREEN	GR
0RANGE	0
PURPLE	P
RED	R
WHITE	W
YELL0W	Y

STRIPE IS UNDERST00D AND HAS N0 C0L0R KEY

STRIPE 0PTI0NAL WHEN CIRCUIT NUMBER HAS (■)

BULB CHART

LAMP DESCRIPTI0N	TRADE NUMBER
A/C & HEATER CONTR0LS ILLUM.	161
ALTERNAT0R WARNING INDICAT0R	194
CARG0	105
D0ME	561
DUAL BRAKE WARNING INDICAT0R	194
H0LP/IGN/ W/S/W/WASHER ILLUM.	161
HEADLAMP SWITCH ILLUMINATI0N	1893
HEATER CONTR0LS ILLUMINATI0N	161
HI BEAM INDICAT0R	194
I/P ILLUMINATI0N	194
INTERI0R SWITCH	561
L.H. BACKUP	1156
L.H. FR0NT SIDE MARKER	194
L.H. L0 BEAM HEAD	6012
L.H. REAR SIDE MARKER	194
L.H. FR0NT PARK & T/S	1157
L.H. ST0P PARK & T/S	1157
L.H. TURN INDICAT0R	194
LICENSE	194
0IL PRESSURE WARNING IND.	194
PRNDL ILLUMINATI0N	161
R.H. BACKUP	1156
R.H. FR0NT SIDE MARKER	194
R.H. L0 BEAM HEAD	6012
R.H. REAR SIDE MARKER	194
R.H. FR0NT PARK & T/S	1157
R.H. ST0P PARK & T/S	1157
R.H. TURN INDICAT0R	194
SEAT BELTS WARNING INDICAT0R	194
STERE0 INDICAT0R	1892
W/S/W/WASHER CONTR0LS ILLUM.	1893
AM RADI0	1893
AM/FM M0NAURAL RADI0	1893
AM/FM/MPX RADI0	1893

BULB CHART

LAMP DESCRIPTI0N	TRADE NUMBER
STERE0 TAPE/ AM/FM/MPX RADI0	37

GR0UND C0DES

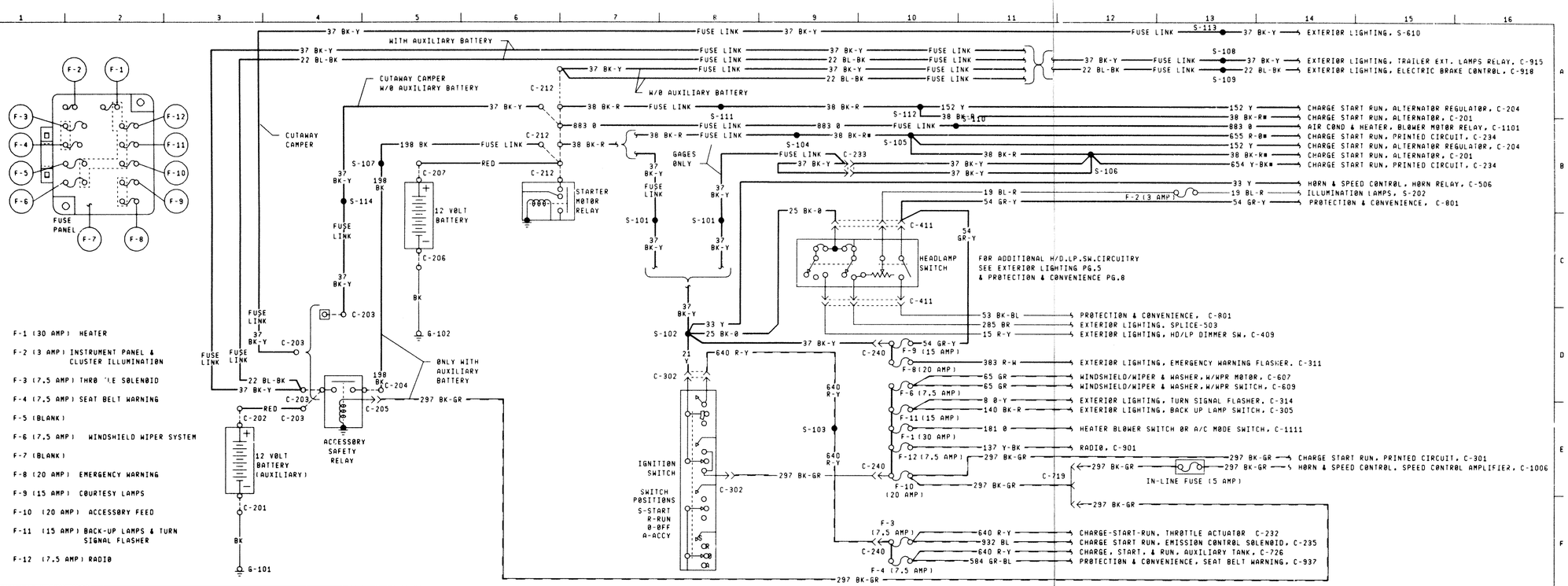
SPLICE C0DES

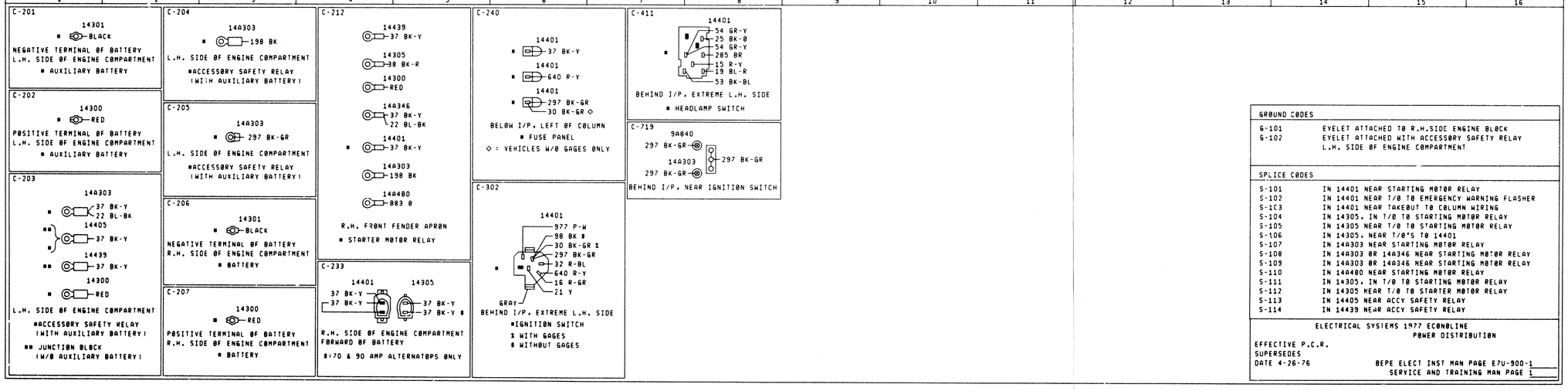
ELECTRICAL SYSTEMS 1977 EC0N0LINE
INDEX-SYSTEM AND C0MP0NENT

EFFECTIVE P.C.R.
SUPERSEDES
DATE

BEPE ELECT INST MAN PAGE E7U-900-INDEX
SERVICE AND TRAINING MAN PAGE INDEX

365-198Q-77



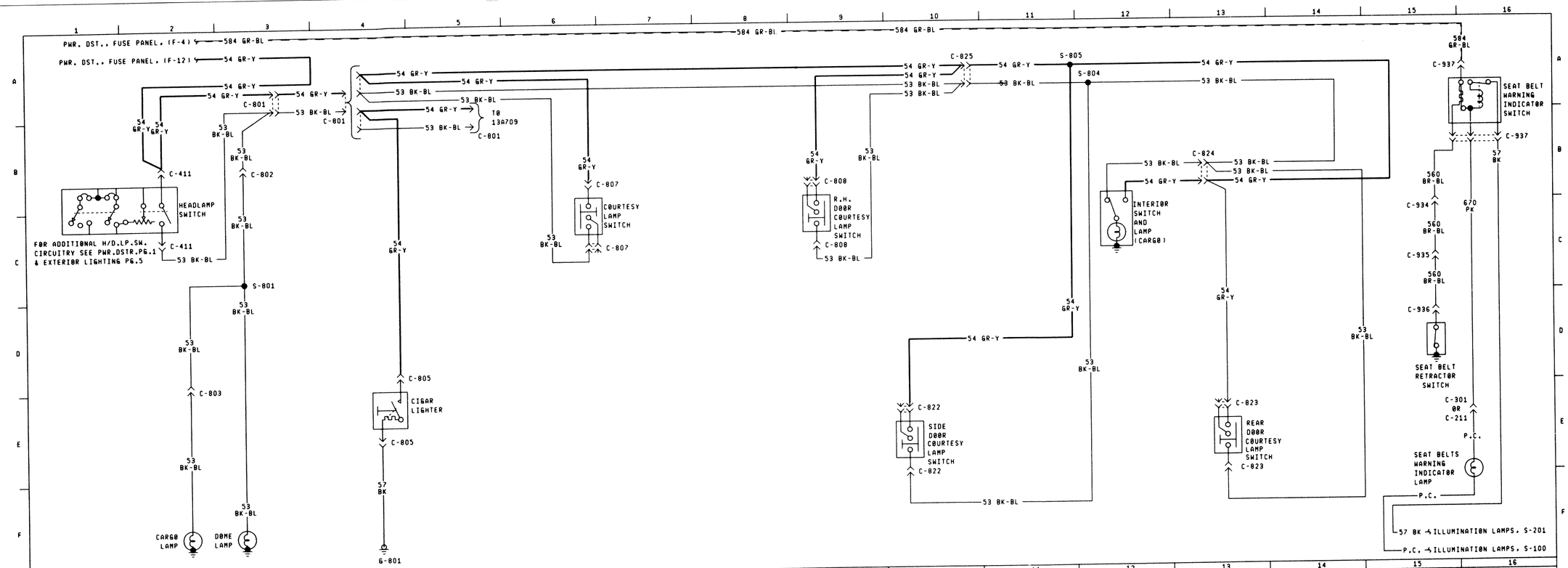


GROUND CODES	
G-101	EYELET ATTACHED TO R.H.SIDE ENGINE BLOCK
G-102	EYELET ATTACHED WITH ACCESSORY SAFETY RELAY L.H. SIDE OF ENGINE COMPARTMENT

SPLICE CODES	
S-101	IN 14401 NEAR STARTING MOTOR RELAY
S-102	IN 14401 NEAR T/O TO EMERGENCY WARNING FLASHER
S-103	IN 14401 NEAR TAKEOUT TO COLUMN WIRING
S-104	IN 14305, IN T/O TO STARTING MOTOR RELAY
S-105	IN 14305 NEAR T/O TO STARTING MOTOR RELAY
S-106	IN 14305, NEAR T/O'S TO 14401
S-107	IN 14A303 NEAR STARTING MOTOR RELAY
S-108	IN 14A303 OR 14A346 NEAR STARTING MOTOR RELAY
S-109	IN 14A303 OR 14A346 NEAR STARTING MOTOR RELAY
S-110	IN 14A480 NEAR STARTING MOTOR RELAY
S-111	IN 14305, IN T/O TO STARTING MOTOR RELAY
S-112	IN 14305 NEAR T/O TO STARTER MOTOR RELAY
S-113	IN 14405 NEAR ACCY SAFETY RELAY
S-114	IN 14439 NEAR ACCY SAFETY RELAY

ELECTRICAL SYSTEMS 1977 ECONOLINE
POWER DISTRIBUTION

EFFECTIVE P.C.R.
SUPERSEDES
DATE 4-26-76



C-801

14K006 $ 13A709
53 BK-BL 53 BK-BL
54 GR-Y 53 BK-BL
54 GR-Y
14401
53 BK-BL 14K006 $
53 BK-BL 53 BK-BL
54 GR-Y 54 GR-Y
54 GR-Y

BEHIND I/P, ABOVE "Y" BRACE

NOTES: W/O CIGAR LIGHTER THE 14401 IS ENGAGED TO THE 13A709. WITH CIGAR LIGHTER THE 14K006 IS IN SERIES WITH THE 14401 & THE 13A709.

ALL CONNECTORS ARE BROWN.
$ = WITH CIGAR LIGHTER

C-211

14401
1 18
640 R-Y
31 W-R■
977 P-W■
286 Ω
48 BK
30 BK-GR
670 PK
3 GR-W
34 GR-BK
655 R-Ω■
2 W-BL■
654 Y-BK■
39 R-W
19 BL-R
9 10
57 BK
GRAY

REAR OF INSTRUMENT CLUSTER
■ PRINTED CIRCUIT (WITH GAGES)

C-301

14401
1 18
57 BK
39 R-W
19 BL-R
2 W-BL■
98 BK
34 GR-BK 804 GR-R
297 BK-GR
977 P-W■
3 GR-W
31 W-R■
48 BK
640 R-Y 30 BK-GR
670 PK
286 Ω
7 8
GRAY

BEHIND INSTRUMENT CLUSTER
■ PRINTED CIRCUIT (W/O GAGES)

C-411

14401
54 GR-Y
25 BK-Ω
54 GR-Y
285 BR
15 R-Y
19 BL-R
53 BK-BL
GRAY

BEHIND I/P, EXTREME L.H. SIDE
■ HEADLAMP SWITCH

C-802

14334 14401
53 BK-BL 53 BK-BL
BROWN

BEHIND I/P, L.H. COWL SIDE

C-803

14334 14334
53 BK-BL 53 BK-BL
BROWN

ABOVE "B" PILLAR, L.H. SIDE

C-805

14K006
54 GR-Y
■
14K006
57 BK
NATURAL

BEHIND I/P, APPROXIMATELY CENTER OF VEHICLE
■ CIGAR LIGHTER

C-807

13A709
54 GR-Y
■ 53 BK-BL
NATURAL

L.H. FRONT DOOR PILLAR
■ COURTESY LAMP SWITCH (L.H. DOOR JAMB)

C-808

13A709
54 GR-Y
■ 53 BK-BL
NATURAL

R.H. FRONT DOOR PILLAR
■ COURTESY LAMP SWITCH (R.H. DOOR JAMB)

C-822

13A709
■ 54 GR-Y
53 BK-BL
NATURAL

FORWARD PILLAR OF SIDE DOOR OPENING
■ COURTESY LAMP SWITCH (SIDE DOOR JAMB)

C-823

13A709
■ 54 GR-Y
53 BK-BL
NATURAL

R.H. SIDE OF REAR DOOR OPENING
■ COURTESY LAMP SWITCH (REAR DOOR JAMB)

C-824

■ 13786 13A709
53 BK-BL 53 BK-BL
54 GR-Y 53 BK-BL
54 GR-Y
GREEN

R.H. SIDE, ABOVE 4TH PILLAR FROM FRONT
■ PART OF INTERIOR LAMP AND SWITCH (CARGO LAMP)

C-825

13A709 13A709
54 GR-Y 54 GR-Y
53 BK-BL 53 BK-BL
53 BK-BL

BEHIND INSRTRUMENT PANEL EXTREME R.H. SIDE
NOTE: ALL CONNECTORS ARE BROWN

C-934

14401 14A005
560 BR-BL 560 BR-BL
BROWN

L.H. LOW COWL SIDE NEAR TOE BOARD

C-935

14A576
560 BR-BL 14A005
14A576 560 BR-BL
560 BR-BL

STANDARD SEAT: UNDER FRONT L.H. SEAT
CAPTAIN'S CHAIRS: FRONT OF BASE OF SEAT STAND, IN ACCESS HOLE

NOTE: ALL CONNECTORS ARE BROWN

C-936

■ 560 BR-BL
GRAY

NEAR SEAT BELT RETRACTOR
■ SEATBELT RETRACTOR SWITCH

C-937

14401
584 GR-BL
670 PK
■ 57 BK
560 BR-BL
RED

BEHIND I/P L.H. SIDE ON FUSE PANEL MOUNTING BRACKET
■ S/B WARNING INDICATOR SWITCH

GROUND CODES

G-801	EYELET, BEHIND I/P, ATTACHED TO R.H. PORTION OF "Y" BRACE

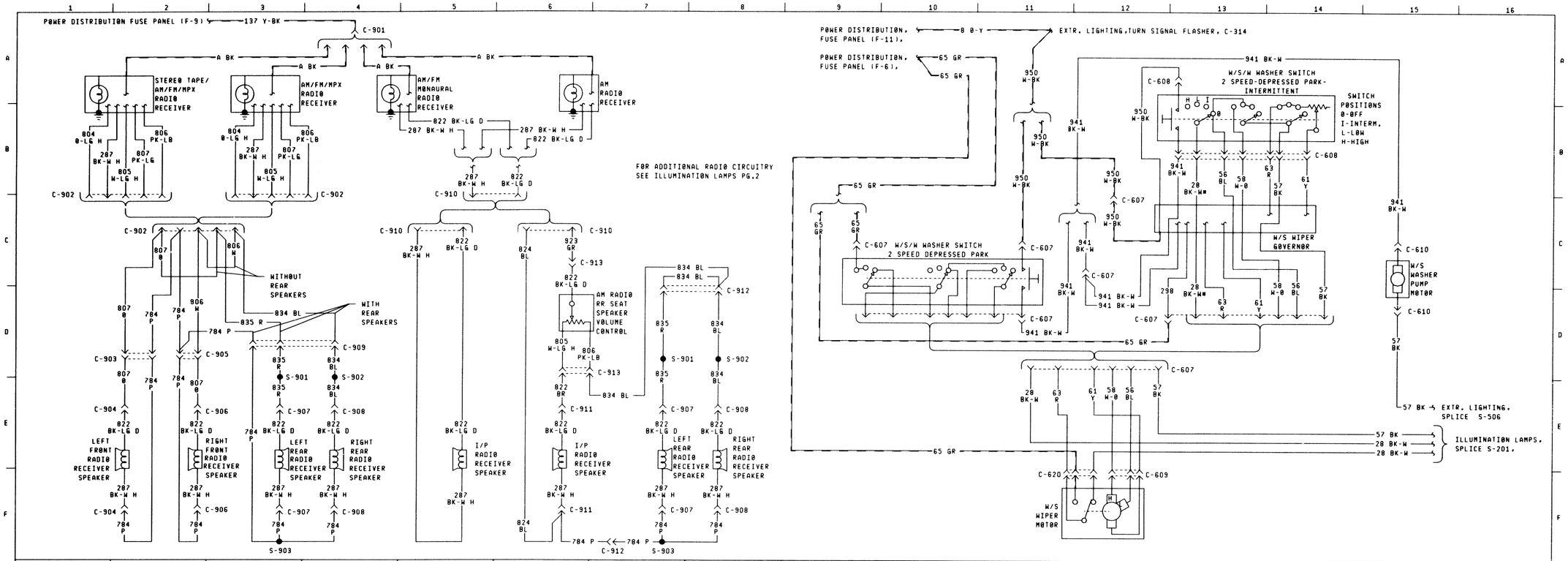
SPLICE CODES

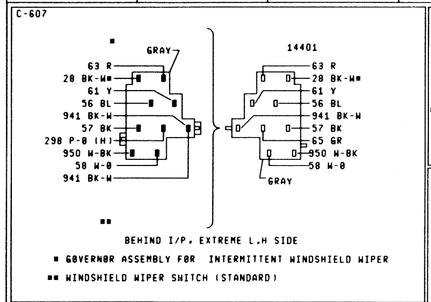
S-801	IN 14334 NEAR T/O TO DOME LAMP
S-804	IN 13A709 NEAR T/O TO SIDE DOOR SWITCH
S-805	IN 13A709 NEAR T/O TO SIDE DOOR SWITCH

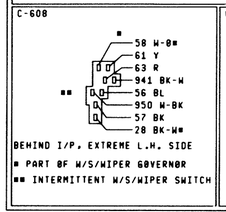
ELECTRICAL SYSTEMS 1977 ECONOLINE
PROTECTION AND CONVENIENCE

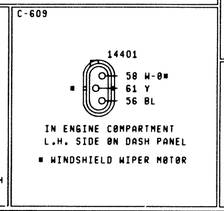
EFFECTIVE P.C.R.
SUPERSEDES
DATE 7-10-76

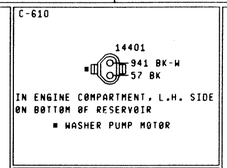
BEPE ELECT INST MAN PAGE E7U-900-8
SERVICE AND TRAINING MAN PAGE 8

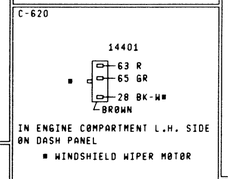


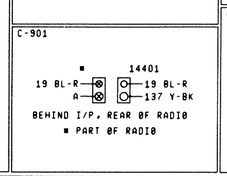


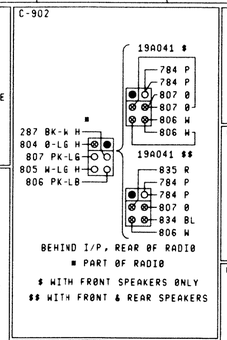


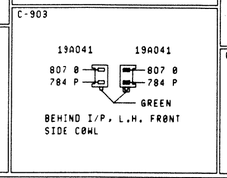


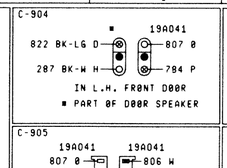


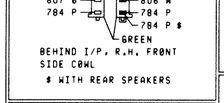


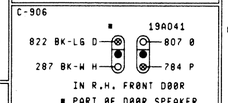


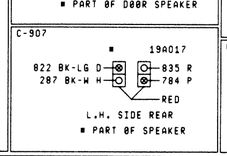


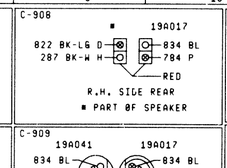


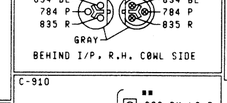


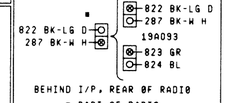


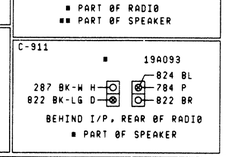


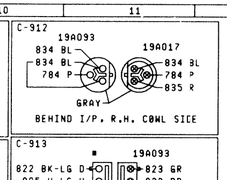


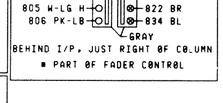












GROUND CODES

SPLICE CODES

S-901	IN 19A017 NEAR T/B TO REAR SPEAKERS
S-902	IN 19A017 NEAR T/B TO REAR SPEAKERS
S-903	IN 19A017,NEAR T/B TO REAR SPEAKERS

ELECTRICAL SYSTEMS 1977 ECONOLINE
RADIO
WINDSHIELD WIPER/WASHER

EFFECTIVE P.C.R.
SUPERSEDES
DATE 4-26-76

BEPE ELECT INST MAN PAGE E7U-900-9
SERVICE AND TRAINING MAN PAGE 9

SYSTEM PAGE

WIRING C0L0R KEY
PRIMARY C0L0RS

BLACK	BK
BLUE	BL
BR0WN	BR
GRAY	GY
GREEN	GR
0RANGE	0
PURPLE	P
RED	R
WHITE	W
YELL0W	Y

STRIPE IS UNDERST00D AND HAS N0 C0L0R KEY

STRIPE 0PTI0NAL WHEN CIRCUIT NUMBER HAS (■)

BULB CHART

LAMP DESCRIPTI0N	TRADE NUMBER
4 WHEEL DRIVE INDICAT0R	194
A/C & HEATER CONTR0LS ILLUM.	161
ALTERNAT0R WARNING INDICAT0R	194
CARG0	105
CLUSTER ILLUMINATI0N (2)	194 (2)
D0ME	561
DUAL BRAKE WARNING INDICAT0R	194
ENGINE COMPARTMENT	89
GL0VE B0X SWITCH	1816
H0LP SW / W/S/W/WASHER ILLUM.	1445
HEATED BACKLITE WARNING IND.	2162
HI BEAM INDICAT0R	194
I/P ASH TRAY ILLUMINATI0N	1892
L.H. BACKUP	1156
L.H. FR0NT MARKER	1895
L.H. FR0NT SIDE MARKER	194
L.H. L0 BEAM HEAD	6012
L.H. MIRR0R MARKER	194
L.H. REAR MARKER	1895
L.H. REAR SIDE MARKER	194
L.H. FR0NT PARK & T/S	1157NA
L.H. I/P C0URTESY	89
L.H. ST0P PARK & T/S	1157
L.H. TURN INDICAT0R	194
LICENSE	194
0IL PRESSURE WARNING IND.	194
PRNDL ILLUMINATI0N (C0LUMN)	1445
R.H. BACKUP	1156
R.H. FR0NT MARKER	1895
R.H. FR0NT SIDE MARKER	194
R.H. L0 BEAM HEAD	6012
R.H. MIRR0R MARKER	194
R.H. REAR MARKER	1895
R.H. REAR SIDE MARKER	194

BULB CHART

LAMP DESCRIPTI0N	TRADE NUMBER
R.H. FR0NT PARK & T/S	1157NA
R.H. I/P C0URTESY	89
R.H. ST0P PARK & T/S	1157
R.H. TURN INDICAT0R	194
REAR MARKER	1895 (3)
R80F MARKER	168 (5)
SEAT BELTS WARNING INDICAT0R	194
STERE0 INDICAT0R	1892
AM RADI0	1893
AM/FM M0NAURAL RADI0	1893
AM/FM/MPX RADI0	1893
AM/FM/MPX RADI0	1892

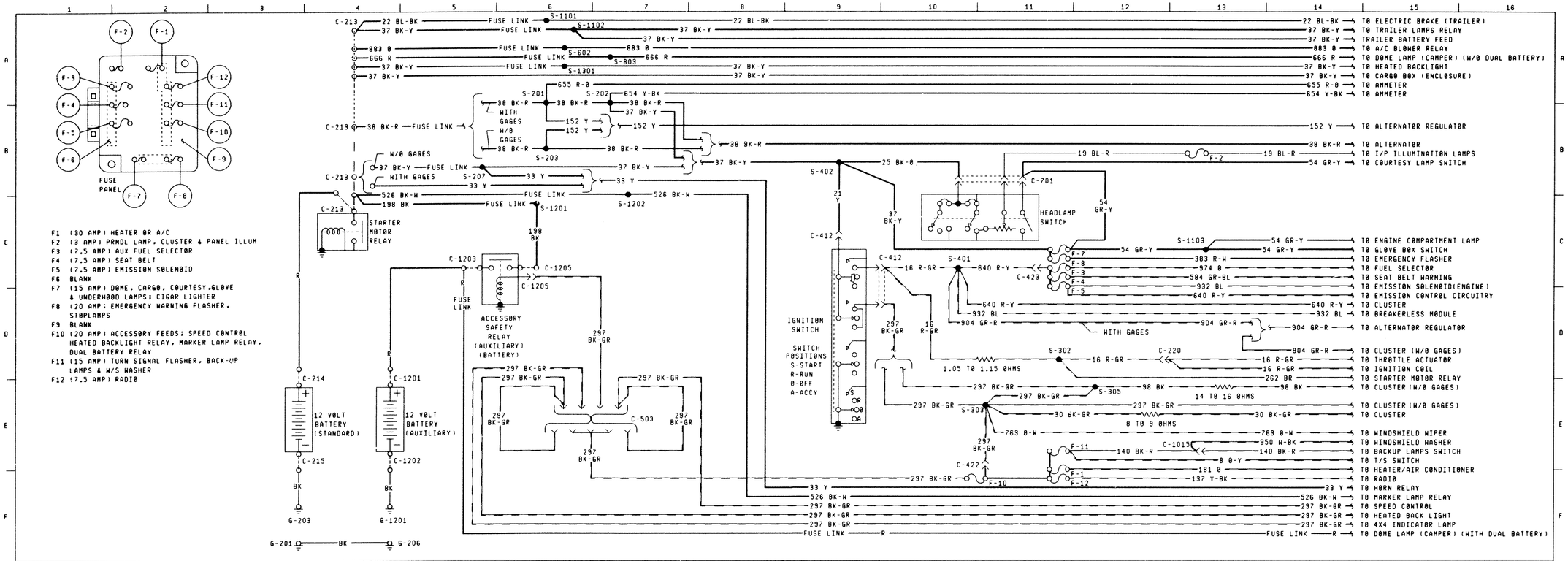
GR0UND C0DES

SPLICE C0DES

ELECTRICAL SYSTEMS 1977 F-100-350
INDEX-SYSTEM AND C0MP0NENT

EFFECTIVE P.C.R.
SUPERSEDES
DATE

365-198S-77



C-213
19A885 883 0
19A527 666 R
14A346 38 BK-R, 22 BL-BK
14A303 526 BK-W, 198 BK
14305 38 BK-R
14401 33 Y
13A576 37 BK-Y
14301 RED
14A303 526 BK-W, 666 R
ON R.H. FENDER APRON, FORWARD
■ STARTER MOTOR RELAY

C-214
14300 ■ RED
POSITIVE TERMINAL OF BATTERY
■ BATTERY

C-215
14301 ■ BK
NEGATIVE TERMINAL OF BATTERY
■ BATTERY

C-220
14289 14401
31 W-R, 16 R-GR, 39 R-W
GRAY
ENGINE COMPARTMENT, CENTER, NEAR DASH

C-412
14401 977 P-W, 98 BK, 297 BK-GR, 32 R-BL, (2)16 R-GR, 21 Y
GRAY
14401 977 P-W, 30 BK-GR, 297 BK-GR, 32 R-BL, (2)16 R-GR, 21 Y
BEHIND I/P, L.H. SIDE
■ IGNITION SWITCH

C-422
14401 ■ 297 BK-GR
INSIDE FUSE PANEL
■ BUSS BAR

C-423
14401 ■ 640 R-Y
INSIDE FUSE PANEL
■ BUSS BAR

C-503
18C617 297 BK-GR
13A705 297 BK-GR
14A303 297 BK-GR
9A840 297 BK-GR
18C617 297 BK-GR
14401 297 BK-GR
297 BK-GR 9A840
BEHIND W/S WIPER SWITCH
NOTE: ALL CONNECTORS ARE YELLOW

C-701
14401
54 GR-Y
54 GR-Y
25 BK-O
285 BR
285 BR
15 R-Y
19 BL-R
53 BK-BL
53 BK-BL
R.H. SIDE,BEHIND I/P
■ HEADLAMP SWITCH

C-1015
7E203 14401
32 R-BL, 32 R-BL, 140 BK-R, 140 BK-R
32 R-BL, 32 R-BL, 140 BK-R, 140 BK-R
32 R-BL, 32 R-BL, 140 BK-R, 950 W-BK OR, 8 O-Y, 140 BK-R
■ START INTERLOCK AND BACKUP LAMP SWITCH

C-1201
14300 ■ RED
FORWARD, L.H. FENDER APRON
POSITIVE TERMINAL OF BATTERY
■ BATTERY (AUXILIARY)

C-1202
14301 ■ BK
FORWARD, L.H. FENDER APRON
NEGATIVE TERMINAL OF BATTERY
■ BATTERY (AUXILIARY)

C-1203
14300 ■ R, R
L.H. FENDER APRON, AFT
■ DUAL BATTERY RELAY

C-1205
14A303 297 BK-GR, 198 BK
L.H. FENDER APRON, AFT
■ DUAL BATTERY RELAY

GROUND CODES

G-201	EYELET ATTACHED TO ENGINE
G-203	BATTERY CABLE ATTACHED TO R.H. FENDER APRON
G-206	EYELET, ON DASH PANEL, LEFT OF CENTER
G-1201	EYELET, IN ENGINE COMPARTMENT, L.H. SIDE, ON DASH PANEL

SPLICE CODES

S-201	IN 14305 NEAR STARTER MOTOR RELAY
S-202	IN 14305,NEAR STARTER MOTOR RELAY
S-203	IN 14305 NEAR STARTER MOTOR RELAY
S-207	IN 14401, NEAR STARTER MOTOR RELAY
S-302	IN 14401, BEHIND CLUSTER
S-303	IN 14401, BEHIND CLUSTER
S-305	IN 14401, NEAR T/O TO IGNITION SWITCH
S-401	IN 14401, NEAR IGNITION SWITCH
S-402	IN 14401, NEAR ASH TRAY
S-602	IN 19A885 NEAR STARTER MOTOR RELAY
S-803	IN 19A527 NEAR STARTER MOTOR RELAY
S-1101	IN 14A346, NEAR STARTING MOTOR RELAY
S-1102	IN 14A346, NEAR STARTING MOTOR RELAY
S-1103	IN 14401,NEAR GLOVE BOX T/O
S-1201	IN 14A303,NEAR STARTER MOTOR RELAY
S-1202	IN 14A303,NEAR STARTER MOTOR RELAY
S-1301	IN 19A885,NEAR STARTER MOTOR RELAY

ELECTRICAL SYSTEMS 1977 F-100-350
POWER DISTRIBUTION

EFFECTIVE P.C.R.
SUPERSEDES
DATE

BEPE ELECT INST MAN PAGE E7T-900-1
SERVICE AND TRAINING MAN PAGE 1

SYSTEM PAGE

WIRING COLOR KEY
PRIMARY COLORS

BLACK	BK
BLUE	BL
BROWN	BR
GRAY	GY
GREEN	GR
ORANGE	O
PURPLE	P
RED	R
WHITE	W
YELLOW	Y

STRIPE IS UNDERSTOOD AND HAS NO COLOR KEY

STRIPE OPTIONAL WHEN CIRCUIT NUMBER HAS (■)

BULB CHART

LAMP DESCRIPTION	TRADE NUMBER
BRAKE ANTI-LOCK WARNING IND.	1445
DOME	561
DUAL BRAKE WARNING INDICATOR	1445
HEATER CONTROLS ILLUMINATION	1895
HI BEAM INDICATOR	1895
I/P ILLUMINATION	1895
L.H. BACKUP	1156
L.H. LO BEAM HEAD	194
L.H. MIRROR MARKER	168
L.H. FRONT PARK & T/S	1156
L.H. STOP PARK & T/S	1157
L.H. TURN INDICATOR	1895
LOW VACUUM WARNING INDICATOR	1895
LOW AIR PRESSURE WARNING IND.	1895
PRNDL ILLUMINATION (FLOOR)	1445
R.H. BACKUP	1156
R.H. LO BEAM HEAD	194
R.H. MIRROR MARKER	168
R.H. FRONT PARK & T/S	1156
R.H. STOP PARK & T/S	1157
R.H. TURN INDICATOR	1895
ROOF MARKER	168
TACHOMETER ILLUMINATION	1895
VACUUM GAUGE ILLUM.	1895
W/S/W/WASHER CONTROLS ILLUM.	1892
AM RADIO	1895

COMPONENT PAGE LOC

COMPONENT PAGE LOC

COMPONENT PAGE LOC

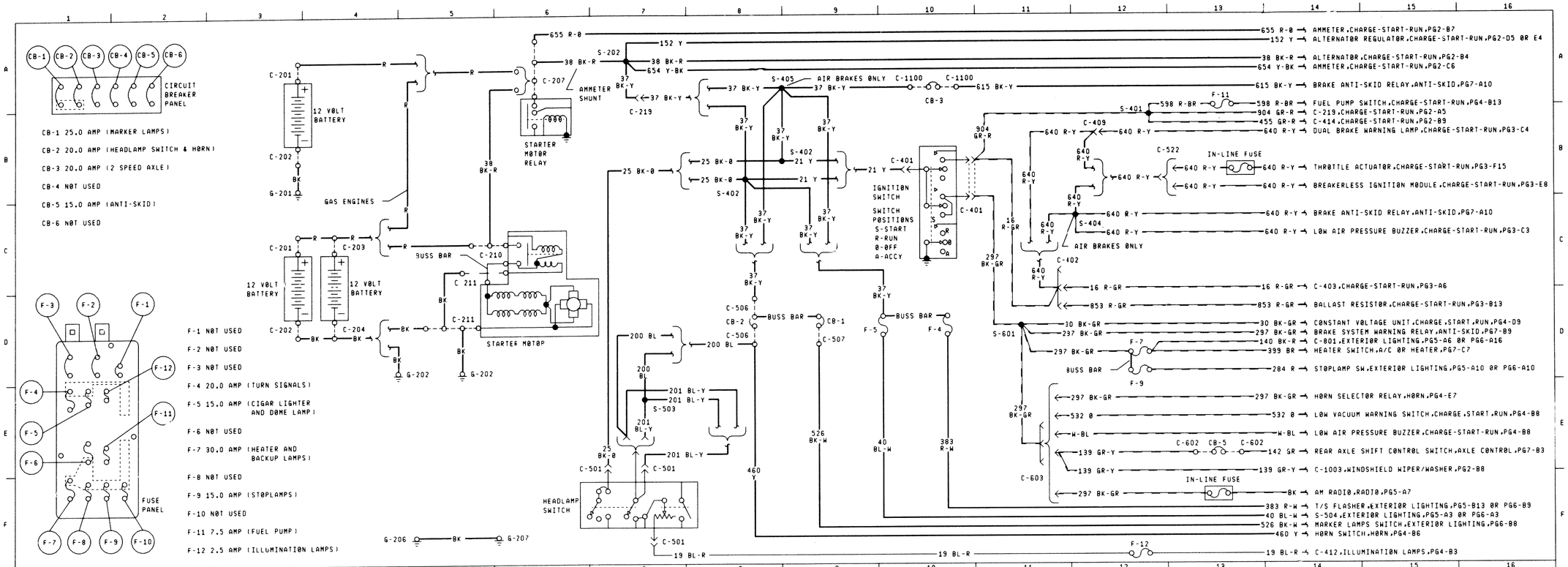
COMPONENT PAGE LOC

GROUND CODES

SPLICE CODES

ELECTRICAL SYSTEMS 1977 F-600-800 CAB
INDEX-SYSTEM AND COMPONENT

EFFECTIVE P.C.R.
SUPERSEDES
DATE 9-28-76



C-201
14300
BATTERY⊕ RED
PØSITIVE TERMINAL ØF BATTERY

C-202
14301
BATTERY⊖ BK
NEGATIVE TERMINAL ØF BATTERY

C-203
14300
BATTERY⊕ RED RED
PØSITIVE TERMINAL ØF BATTERY

C-204
14301
BATTERY⊖ BK BK
NEGATIVE TERMINAL ØF BATTERY

C-207
11A003
38 BK-R
14300
RED
14305
38 BK-R
14401
655 R-Ø
ØN R.H. FENDER APRØN
■ STARTER MØTØR RELAY

C-210
11A003
38 BK-R
14300
RED
BØTTØM R.H. SIDE ØF ENGINE
■ STARTER MØTØR

C-211
14301 BLACK
14324 BLACK
14303 BLACK
STARTER MØTØR ■
BØTTØM R.H. SIDE ØF ENGINE

C-219
14401 904 GR-R 654 Y-BK 37 BK-Y
14305 904 GR-R 654 Y-BK 37 BK-Y
R.H. FRØNT FENDER APRØN, NEAR STARTER MØTØR RELAY

C-401
14401
IGNITIØN SWITCH ■■
904 GR-R
977 P-W
16 R-GR
21 Y
297 BK-GR
32 R-BL
BEHIND I/P, R.H. SIDE ØF STEERING CØLUMN

C-402
14401 16 R-GR 853 R-GR
14313
14401 640 R-Y 16 R-GR
GREEN
NEAR IGNITIØN SWITCH

C-409
28318 977 P-W 640 R-Y
14401 977 P-W 640 R-Y
BEHIND DUAL BRAKE WARNING LAMP

C-501
14401
HEADLAMP SWITCH ■
54 GR-Y
201 BL-Y
201 BL-Y
200 BL
25 BK-Ø
54 GR-Y
285 BR
285 BR
19 BL-R
15 R-Y
53 BK-BL
53 BK-BL
BEHIND I/P L.H. SIDE

C-506
14401
CIRCUIT BREAKER ■
37 BK-Y
200 BL
460 Y
AT CIRCUIT BREAKER PANEL

C-507
14401
CIRCUIT BREAKER ■
526 BK-W
R.H. CØWL SIDE

C-522
9E724
640 R-Y
BRØWN
640 R-Y 32 R-BL
14401
640 R-Y
32 R-BL
BRØWN
CENTER ØF INSTRUMENT PANEL ABØVE ASH TRAY

C-602
14668
CIRCUIT BREAKER ■
139 GR-Y
142 GR
AT CIRCUIT BREAKER PANEL

C-603
10A651
297 BK-GR
14668
139 GR-Y
10A920
532 Ø
14345
W-BL
13A940
297 BK-GR
14401
297 BK-GR
NEAR IGNITIØN SWITCH

C-1100
14401
CIRCUIT BREAKER ■
615 BK-Y
37 BK-Y
AT CIRCUIT BREAKER PANEL

GRØUND CØDES	
G-201	ATTACHED TØ ENGINE BLØCK
G-202	ATTACHED TØ R.H. FRØNT FRAME
G-206	ATTACHED TØ CENTER ØF DASH PANEL
G-207	ATTACHED TØ TØP REAR ØF ENGINE

SPLICE CØDES	
S-202	IN 14305 NEAR TAKEØUT TØ STARTING MØTØR RELAY
S-401	IN 14401, NEAR TAKEØUT TØ CLUSTER
S-402	IN 14401, NEAR JUNCTIØN BLØCK
S-404	IN 14401, NEAR ST@PLAMP SWITCH
S-405	IN 14401 NEAR TAKEØUT TØ FUSE PANEL
S-503	IN 14401 NEAR HEADLAMP SWITCH
S-601	IN 14401 NEAR IGNITIØN SWITCH

ELECTRICAL SYSTEMS 1977 F-600-800 CAB
PØWER DISTRIBUTIØN

EFFECTIVE P.C.R.
SUPERSEDES
DATE 9-28-76

BEPE ELECT INST MAN PAGE E7T-901-1
SERVICE AND TRAINING MAN PAGE 1

WIRING COLOR KEY
PRIMARY COLORS

BLACK	BK
BLUE	BL
BROWN	BR
GRAY	GY
GREEN	GR
ORANGE	O
PURPLE	P
RED	R
WHITE	W
YELLOW	Y

STRIPE IS UNDERSTOOD AND HAS NO COLOR KEY

STRIPE OPTIONAL WHEN CIRCUIT NUMBER HAS (■)

BULB CHART

LAMP DESCRIPTION	TRADE NUMBER
BRAKE ANTI-LOCK WARNING IND.	1445
DUAL BRAKE WARNING INDICATOR	1445
HI BEAM INDICATOR	1895
I/P ILLUMINATION	1895
L.H. BACKUP	1156
L.H. LO BEAM HEAD	6014
L.H. FRONT PARK & T/S	1156
L.H. STOP PARK & T/S	1157
L.H. TURN INDICATOR	1895
LOW VACUUM WARNING INDICATOR	1895
LOW AIR PRESSURE WARNING IND.	1895
R.H. BACKUP	1156
R.H. LO BEAM HEAD	6014
R.H. FRONT PARK & T/S	1156
R.H. STOP PARK & T/S	1157
R.H. TURN INDICATOR	1895
VOLTMETER ILLUMINATION	1895

GROUND CODES

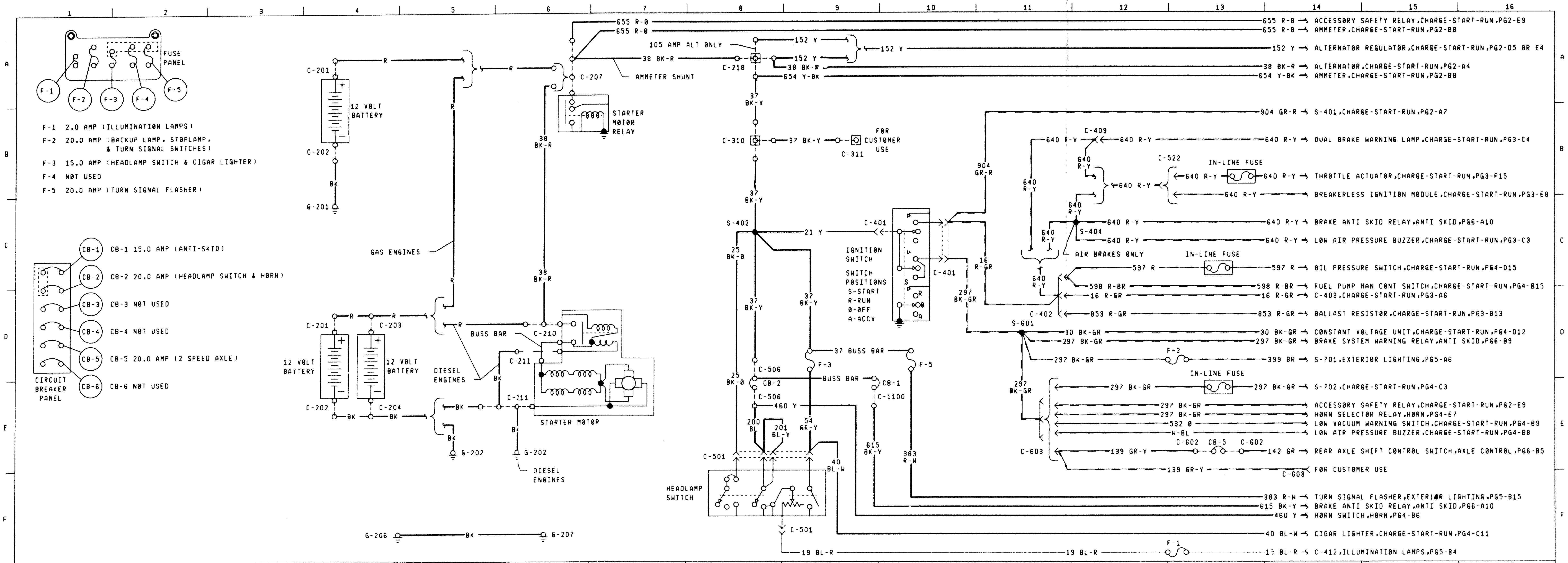
SPLICE CODES

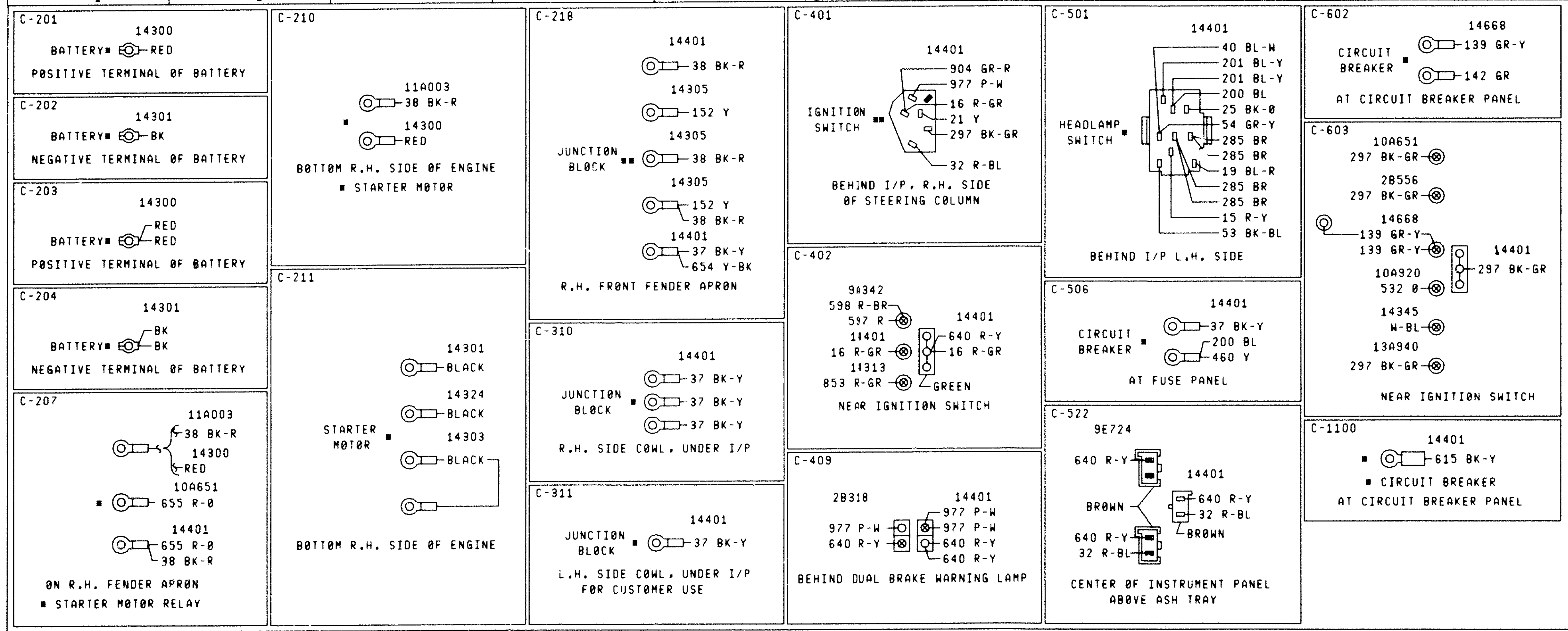
ELECTRICAL SYSTEMS 1977 B-F-600-700 COWL
INDEX-SYSTEM AND COMPONENT

EFFECTIVE P.C.R.
SUPERSEDES
DATE 9-30-76

BEPE ELECT INST MAN PAGE E7T-900-INDEX
SERVICE AND TRAINING MAN PAGE INDEX

365-198U-77


FUSE PANEL
F-1 2.0 AMP (ILLUMINATION LAMPS)
F-2 20.0 AMP (BACKUP LAMP, STOPLAMP, & TURN SIGNAL SWITCHES)
F-3 15.0 AMP (HEADLAMP SWITCH & CIGAR LIGHTER)
F-4 NOT USED
F-5 20.0 AMP (TURN SIGNAL FLASHER)
CB-1 15.0 AMP (ANTI-SKID)
CB-2 20.0 AMP (HEADLAMP SWITCH & HORN)
CB-3 NOT USED
CB-4 NOT USED
CB-5 20.0 AMP (2 SPEED AXLE)
CB-6 NOT USED
CIRCUIT BREAKER PANEL
12 VOLT BATTERY
GAS ENGINES
DIESEL ENGINES
BUSS BAR
STARTER MOTOR
STARTER MOTOR RELAY
AMMETER SHUNT
105 AMP ALT ONLY
FOR CUSTOMER USE
IGNITION SWITCH
SWITCH POSITIONS
S-START
R-RUN
O-OFF
A-ACCY
HEADLAMP SWITCH
IN-LINE FUSE
AIR BRAKES ONLY
ACCESSORY SAFETY RELAY,CHARGE-START-RUN,PG2-E9
AMMETER,CHARGE-START-RUN,PG2-B8
ALTERNATOR REGULATOR,CHARGE-START-RUN,PG2-D5 OR E4
ALTERNATOR,CHARGE-START-RUN,PG2-A4
AMMETER,CHARGE-START-RUN,PG2-B8
S-401,CHARGE-START-RUN,PG2-A7
DUAL BRAKE WARNING LAMP,CHARGE-START-RUN,PG3-C4
THROTTLE ACTUATOR,CHARGE-START-RUN,PG3-F15
BREAKERLESS IGNITION MODULE,CHARGE-START-RUN,PG3-E8
BRAKE ANTI SKID RELAY,ANTI SKID,PG6-A10
LOW AIR PRESSURE BUZZER,CHARGE-START-RUN,PG3-C3
OIL PRESSURE SWITCH,CHARGE-START-RUN,PG4-D15
FUEL PUMP MAN CONT SWITCH,CHARGE-START-RUN,PG4-B15
C-403,CHARGE-START-RUN,PG3-A6
BALLAST RESISTOR,CHARGE-START-RUN,PG3-B13
CONSTANT VOLTAGE UNIT,CHARGE-START-RUN,PG4-D12
BRAKE SYSTEM WARNING RELAY,ANTI SKID,PG6-B9
S-701,EXTERIOR LIGHTING,PG5-A6
S-702,CHARGE-START-RUN,PG4-C3
ACCESSORY SAFETY RELAY,CHARGE-START-RUN,PG2-E9
HORN SELECTOR RELAY,HORN,PG4-E7
LOW VACUUM WARNING SWITCH,CHARGE-START-RUN,PG4-B9
LOW AIR PRESSURE BUZZER,CHARGE-START-RUN,PG4-B8
REAR AXLE SHIFT CONTROL SWITCH,AXLE CONTROL,PG6-B5
FOR CUSTOMER USE
TURN SIGNAL FLASHER,EXTERIOR LIGHTING,PG5-B15
BRAKE ANTI SKID RELAY,ANTI SKID,PG6-A10
HORN SWITCH,HORN,PG4-B6
CIGAR LIGHTER,CHARGE-START-RUN,PG4-C11
C-412,ILLUMINATION LAMPS,PG5-B4


C-201 POSITIVE TERMINAL OF BATTERY
C-202 NEGATIVE TERMINAL OF BATTERY
C-203 POSITIVE TERMINAL OF BATTERY
C-204 NEGATIVE TERMINAL OF BATTERY
C-207 ON R.H. FENDER APRON
* STARTER MOTOR RELAY
C-210 BOTTOM R.H. SIDE OF ENGINE
* STARTER MOTOR
C-211 BOTTOM R.H. SIDE OF ENGINE
C-218 R.H. FRONT FENDER APRON
C-310 R.H. SIDE COWL, UNDER I/P
C-311 L.H. SIDE COWL, UNDER I/P FOR CUSTOMER USE
C-401 BEHIND I/P, R.H. SIDE OF STEERING COLUMN
C-402 NEAR IGNITION SWITCH
C-409 BEHIND DUAL BRAKE WARNING LAMP
C-501 BEHIND I/P L.H. SIDE
C-506 AT FUSE PANEL
C-522 CENTER OF INSTRUMENT PANEL ABOVE ASH TRAY
C-602 AT CIRCUIT BREAKER PANEL
C-603 NEAR IGNITION SWITCH
C-1100 AT CIRCUIT BREAKER PANEL

GROUND CODES	
G-201	ATTACHED TO ENGINE BLOCK
G-202	ATTACHED TO R.H. FRONT FRAME
G-206	ATTACHED TO CENTER OF DASH PANEL
G-207	ATTACHED TO TOP REAR OF ENGINE

SPLICE CODES	
S-402	IN 14401, NEAR JUNCTION BLOCK
S-404	IN 14401, NEAR STOPLAMP SWITCH
S-601	IN 14401, NEAR IGNITION SWITCH

ELECTRICAL SYSTEMS 1977 B-F-600-700 COWL
POWER DISTRIBUTION

EFFECTIVE P.C.R.
SUPERSEDES
DATE 9-30-76

BEPE ELECT INST MAN PAGE E7T-900-1
SERVICE AND TRAINING MAN PAGE 1

Ford

1977 TRUCK SHOP MANUAL

Source Document
Extract Only
Volume 3 - Electrical

	Index	Group
VOL 1	Identification Codes	10
	Wheels and Tires	11 (1000)
	Brakes	12 (2000)
	Steering	13 (3000)
	Suspension	14 (3000 & 5000)
	Driving Axles and Drive Shafts	15 (4000)
	Clutch and Manual Transmission	16 (7000)
	Automatic Transmission	17 (7-7000)
	Noise, Vibration and Harshness Diagnosis	18
VOL 2	Identification Codes	20
	Gasoline Engines	21 (6000 & 9000)
	Diesel Engines	22 (6000D)
		(12000)
		(9000)
		(9000D)
		(5000)
		(8000)
		(11000)
	Emission Controls	29 (9000)
VOL 3&4	Identification Codes	30
	Charging System	31 (10000)
	Lighting System	32 (13000)
	Instruments, Clusters and Controls	33 (10000-19000)
	Main Wiring Harnesses and Circuit Protection	34 (14000)
	Auxiliary Equipment	35 (17000 & 18000)
	Ventilating, Heating and Air Conditioning	36 (18000 & 19000)
	Speed Control	37 (19000)
	Seats	41 (70000)
	Window Glass and Mechanisms	42 (70000)
	Stationary Window Glass	43 (70000)
	Doors, Hood & Tailgate	44 (16000 & 70000)
	Interior Trim	45 (70000)
	Tops	46 (70000)
	Body Shell, Exterior Trim, Frame & Underbody	47 (70000)
VOL. 5	Pre-Delivery Maintenance and Lubrication	

BOOK 1 of 2

GROUP AND PART INDEX

foreword...

This 1977 Truck Shop Manual has been prepared to provide information covering normal service repairs and maintenance for 1977 Ford Trucks manufactured in the United States and Canada. It is divided into five volumes, each covering a specific major area:

Volume 1 — Chassis
Volume 2 — Engine
Volumes 3 & 4 — Body and Electrical
Volume 5 — Pre-Delivery, Maintenance and Lubrication.

Information in each volume is divided into Groups covering a general system. The table of contents on the cover of each volume indicates the Group title, number, and volume in which each Group is located.

For 1977, the basic part number for components covered in the Group is also included in parenthesis after the Group number.

Example: Cooling System (General System Covered in Group) Group 27 (Group Number) (8000) (Basic Part Number for Cooling System Components)

Some components covered within a Group do not have the same basic part number. In these cases, more than one basic part number will appear on the Group index.

Example: Gasoline Engines (General System Covered in Group) Group 21 (6000 (Basic Part Number for Gasoline Engine Components) & 9000) (Intake and Exhaust Manifold Basic Part Number Only)

For easy reference, information in each Group has been divided into smaller units or Parts. There is one Part for each component in the system, as well as a General Service Part in some Groups to cover procedures common to several components within the Group. In general, each Part contains the Description, Operation, Diagnosis and Testing, Removal and Installation and Disassembly and Assembly procedures for the component covered in the Part. Diagnosis Charts are also included in some Parts to help you systematically locate and correct problems encountered. In most cases, specifications are included at the end of each Part.

To aid in locating specific items in this manual, the index at the front of each volume provides an alphabetical listing, with page number, for all Parts in the volume. The tab locator on the right side of this index will help you find the first page of each Group.

On the first page of each Group there is an index listing the Part title and Part number for each component covered within the Group. The first page of each Part contains an index to locate service operations covered in that Part. This Group-Part breakdown is also indicated in the page number located at the top of each page.

Example: 11-02-21 = (Group) 11 — (Part) 02 — (Page) 21

Metric conversion tables have been included at the back of each volume to aid in converting specifications in this manual to the metric equivalent.

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

Ford
ord Parts and Service Division
aining and Publications Department

IDENTIFICATION CODES

GROUP 30

GENERAL INFORMATION

VEHICLE CERTIFICATION LABEL

The Vehicle Certification Label (V.C. Label) is attached to the rear face of the driver's door or door pillar. 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.

The remaining information codes on the V.C. Label are the same as the Truck Rating Plate Codes (Fig. 1). Vehicle codes shown on the Truck Rating Plate are explained in the following paragraphs.

RATING PLATE

Fig. 1 illustrates a typical Truck Rating Plate. On light and medium cowl and windshield vehicles, the Rating Plate is mounted on the right side of the cowl top panel under the hood. On stripped Parcel Delivery vehicles, the rating plate is placed in an envelope stapled to the dunnage box. On Bronco models, the plate is mounted on the inside panel of the glove compartment door. On all other vehicles, the Rating Plate is mounted on the rear face of the left front door.

VEHICLE IDENTIFICATION NUMBER (Vehicle Serial and Warranty)

The identification number is the first line of numbers and letters appearing on the Rating Plate (Fig. 1). The first letter and two numbers indicate the truck series code. The letter following the truck series code designates the engine identification code. The letter following the engine identification code indicates the assembly plant at which the vehicle was built. The remaining numbers indicate the consecutive unit number (serial and warranty number). The charts that follow list the various vehicle identification number codes.

VEHICLE DATA

The Vehicle Data appears on the Rating Plate on the two lines following the identification number. The first three digits under W.B. designate the wheelbase in inches. The one or two letters under COLOR identify the exterior paint color (two letters designate a two-tone). The letter and three digits under TYPE/G.V.W. designate the truck model within a series and the gross vehicle weight rating. The letter and numerals under BODY designate the interior trim, seat and body type. (See Figs. 2, 3 and 4.) The transmission installed in the vehicle is identified under TRANS by either a numeric or alphabetical code (if two symbols appear, the first identifies the auxiliary transmission, if so equipped, and the second symbol identifies the main transmission). A letter and a number of two numbers under AXLE identify the rear axle ratio (when required, a letter is also stamped behind the rear axle code to identify the front axle capacity). The maximum gross vehicle weight in pounds is stamped under MAX. G.V.W.

A two-digit number is stamped under D.S.O. to identify the district which ordered the vehicle. If the vehicle is built to special order (Domestic Special Order, Foreign Special Order, Limited Production Option, or other special order), the complete order number will also appear under D.S.O. The charts that follow list the various vehicle data codes.

W.B. (WHEELBASE)

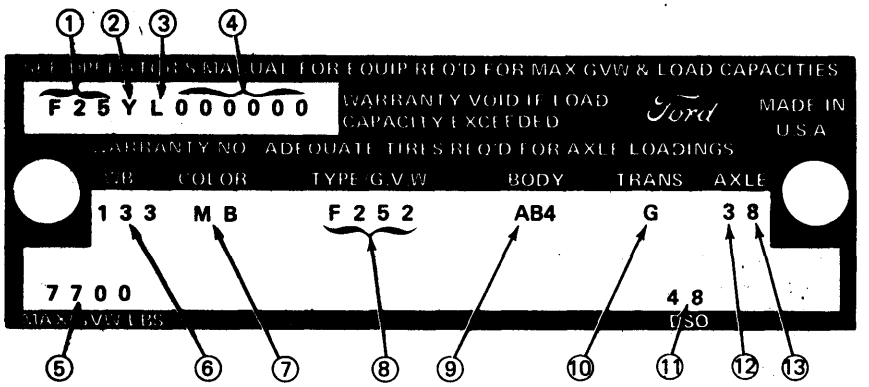
The wheelbase in inches is entered in this space.

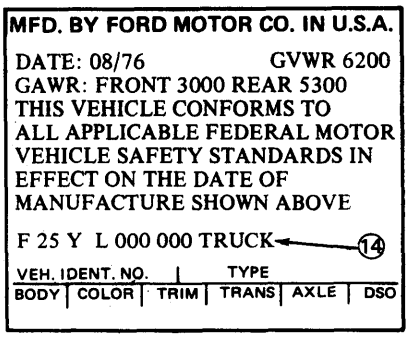
MAX. G.V.W. LBS

The maximum gross vehicle weight in pounds is recorded in this space.

D.S.O.

If vehicle is built on a D.S.O., F.S.O., L.P.O. (special orders) the complete order number will be reflected under the D.S.O. space including the District Code Number.





VEHICLE CERTIFICATION LABEL

1. TRUCK SERIES CODE
2. ENGINE CODE
3. ASSEMBLY PLANT CODE
4. CONSECUTIVE UNIT AND WARRANTY NO.
5. RECOMMENDED MAX. GROSS VEHICLE WEIGHT
6. WHEEL BASE
7. EXTERIOR PAINT CODES
8. MODEL CODE AND GVW
9. INTERIOR TRIM, SEAT AND BODY/CAB TYPE
10. TRANSMISSION CODE
11. DISTRICT/SPECIAL ORDER CODES
12. REAR AXLE CODES
13. FRONT AXLE CODES (IF SO EQUIPPED)
14. VEHICLE TYPE

W1017-K

FIG. 1 Typical Truck Rating Plate and Vehicle Certification Label

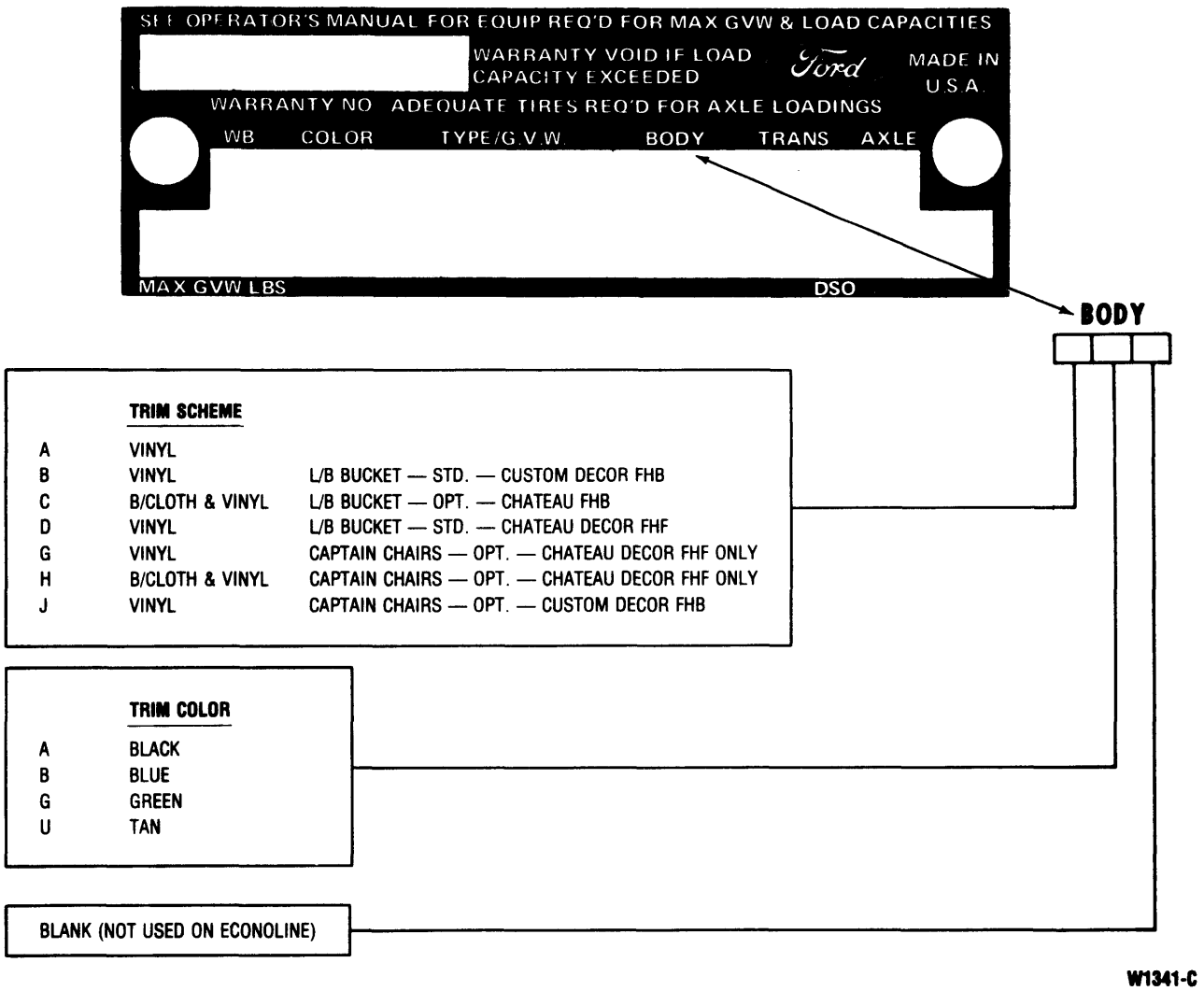
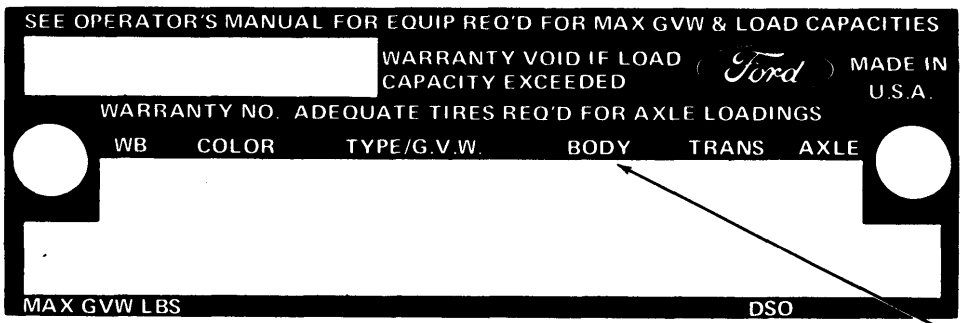


FIG. 2 Trim, Seat, Body/Cab Type Identification—Econoline-Vans and Club Wagons



BODY

ON COWL/WINDSHIELD BUS & PARCEL UNITS THE FIRST TWO SPACES REMAIN BLANK

TRIM SCHEME & SEAT TYPE

BRONCO

A	B/CLOTH — VINYL	LPB BUCKET
R	KNIT & VINYL	L/B BUCKET
S	KNIT & VINYL	L/B BUCKET

LIGHT TRUCKS — CUSTOM CAB

A	COLTON VINYL	STANDARD	L/B BENCH
D	KNIT & VINYL	DECOR	L/B BENCH
G	LEATHER VINYL	HEAVY DUTY	L/B BENCH

F500 — F600 CABS

A	VINYL	STANDARD TRIM STANDARD CAB L/B BENCH
D	KNIT & VINYL	OPTIONAL TRIM STANDARD CAB L/B BENCH
E	KNIT & VINYL	OPTIONAL CUSTOM CAB
G	LEATHER VINYL	OPTIONAL HEAVY DUTY STANDARD CAB
H	LEATHER VINYL	OPTIONAL HEAVY DUTY CUSTOM CAB L/B BENCH
K	LEATHER VINYL	OPTIONAL BOSTROM SEAT STANDARD CAB L/B BUCKET
L	LEATHER VINYL	OPTIONAL BOSTROM SEAT CUSTOM CAB

RANGER CAB

B	VINYL	STANDARD	L/B BENCH
E	KNIT & VINYL	OPTIONAL	L/B BENCH
H	LEATHER VINYL	HEAVY DUTY	L/B BENCH

RANGER CAB XLT

C	B/CLOTH & VINYL		L/B BENCH
F	KNIT & VINYL		L/B BENCH
J	LEATHER VINYL	HEAVY DUTY	L/B BENCH
L	VINYL SUPER SOFT		L/B BENCH
K	B/CLOTH & VINYL	LUXURY DECOR	L/B BENCH

TRIM COLOR

A	BLACK
B	BLUE
D	RED
G	GREEN
U	TAN
V	PARCHMENT

HD BLACK SEAT WITH COLOR COMPONENTS

N	RED
Q	BLUE
4	TAN
5	GREEN
A	BLACK

CAB/BACK OF CAB

F100-350

6-MAN CREW CAB	SUPER CAB	REGULAR	SPECIFICATIONS
—	—	3	FLARESIDED PICK-UP
D	M	4	STYLESIDE PICK-UP
—	—	5	PLATFORM STAKE
—	—	7	COWL
G	P	8	CHASSIS CAB
—	—	9	PLATFORM

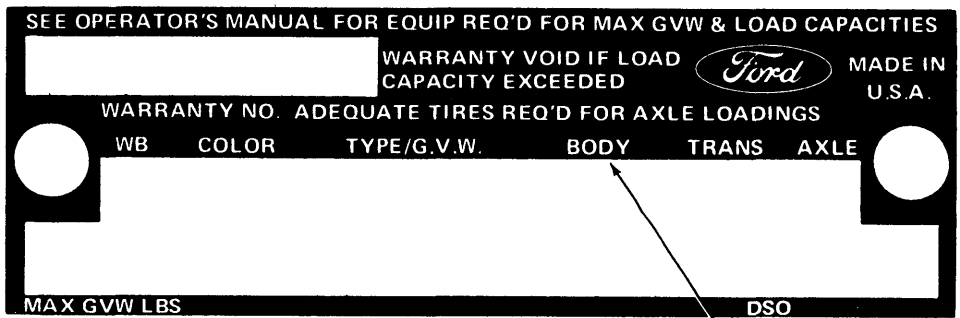
F/B 500-600

	SPECIFICATIONS
7	COWL
8	CHASSIS CAB STEEL REGULAR
G	CHASSIS CREW CAB
6	CHASSIS CAB STEEL, FIRE TRUCK REGULAR

W1342-C

FIG. 3 Trim, Seat, Body/Cab Type Identification — Bronco — Light and Medium Trucks — School Bus — 100 Thru 600

MEDIUM, SUB-HEAVY AND HEAVY



BODY

ON COWL/BUS UNITS THE FIRST TWO SPACES REMAIN BLANK

CAB TRIM		
CUSTOM	STANDARD	CABS
A	1	GRAY
B	2	BLUE
C	3	TAN
D	4	BLACK
E	5	RED
F	6	GREEN
G	7	SADDLE
H	8	TOBACCO

F500 — F600 CABS		
A	VINYL	STANDARD TRIM STANDARD CAB L/B BENCH
D	KNIT & VINYL	OPTIONAL TRIM STANDARD CAB L/B BENCH
E	KNIT & VINYL	OPTIONAL CUSTOM CAB
G	LEATHER VINYL	OPTIONAL HEAVY DUTY STANDARD CAB
H	LEATHER VINYL	OPTIONAL HEAVY DUTY CUSTOM CAB L/B BENCH
K	LEATHER VINYL	OPTIONAL BOSTROM SEAT STANDARD CAB L/B BUCKET
L	LEATHER VINYL	OPTIONAL BOSTROM SEAT CUSTOM CAB

SEAT TYPE				
HD BLACK VINYL	W/COMP. PASS.	SINGLE DRIVER	BENCH	
A	—	—	1	BENCH SEAT
B	—	—	2	BENCH CUSTOM SEAT
—	C	3	—	L-S (UNISON ACTION)
—	D	4	—	L-S #675
—	E	5	—	BOSTROM WESTCOASTER
—	F	6	—	BOSTROM T-BAR
—	G	7	—	NATIONAL CUSH-N-AIRE
—	H	8	—	BOSTROM LEVELAIRE

F500 — F600			
TRIM COLOR		HD BLACK SEAT WITH COLOR COMPONENTS	
A	BLACK	N	RED
B	BLUE	Q	BLUE
D	RED	4	TAN
G	GREEN	5	GREEN
U	TAN	A	BLACK

BODY TYPE				
W/FOAM MATTRESS	SLEEPER W/SPRING MATTRESS	LESS MATTRESS		BODY
—	—	—	0	PARCEL, MOTOR HOME
—	—	—	2	CHASSIS CAB/W/BUTTERFLY HOOD
—	—	—	7	COWL
A	J	Y	8	CHASSIS CAB, STEEL
B	K	Q	H	CHASSIS CAB, ALUMINUM
—	—	—	6	FIRE TRUCK/EMERGENCY CC STEEL
—	—	—	7	FIRE TRUCK W/BUTTERFLY HOOD

F500 — F600 SPECIFICATIONS	
7	COWL
8	CHASSIS CAB STEEL REGULAR
G	CHASSIS CREW CAB
6	CHASSIS CAB STEEL, FIRE TRUCK REGULAR

W1343-C

FIG. 4 Trim, Seat, Body/Cab Type Identification — Parcel Medium, Sub Heavy and Heavy (500 Thru 9000 Series)

MEDIUM CONVENTIONAL 'F' SERIES TRIM SCHEMES

ENGINEERING CODE	COMPONENT COLOR	RATING PLATE TRIM CODE	TRIM SCHEME	MODEL/SERIES
			COLTON/KIWI — ALL VINYL (A1 BENCH — BASE DOOR PANEL)	
			STANDARD TRIM	81A — STANDARD CAB
AA		AA	BLACK	F500-600
			LEATHER GRAIN — H.D. VINYL (A5 BENCH — BASE DOOR PANEL)	
			OPT. H.D. VINYL FOR STD. TRIM	81A — STANDARD CAB
GA	W/BLACK	GA	BLACK	F500-600
			VILON KNIT/KIWI ALL VINYL (A4 BENCH — BASE DOOR PANEL)	
			OPT. KNIT VINYL FOR STD. TRIM	81A STANDARD CAB
DA		DA	BLACK	
DB		DB	MED. BLUE	
DD		DD	RED, DK. RED	F500-600
DU		DU	TAN	
DR		DR	MED. GREEN	
			VILON KNIT/KIWI — ALL VINYL (A4 BENCH — CUSTOM DOOR PANEL)	
			CUSTOM TRIM	81B — CUSTOM CAB
EA		EA	BLACK	
EB		EB	MED. BLUE	
ED		ED	RED, DK. RED	F500-600
EU		EU	TAN	
EG		EG	MED. GREEN	
			LEATHER GRAIN — H.D. VINYL (A5 BENCH — CUSTOM DOOR PANEL)	
			OPT. H.D. VINYL FOR CUSTOM TRIM	81B — CUSTOM CAB
	W/BLACK	HA		
	W/BLUE	HO		
HA	W/RED	HN	BLACK	F500-600
	W/TAN	H4		
	W/GREEN	H5		

CY1726-B

FIG. 5 Trim, Seat, Body/Cab Type Identification

MED. HEAVY CONVENTIONAL 'F' SERIES TRIM SCHEMES

ENGINEERING CODE	COMPONENT COLOR	RATING PLATE TRIM CODE	TRIM SCHEME	MODEL/SERIES
			COLTON/KIWI — ALL VINYL	
			(A1 BENCH — BASE DOOR PANEL)	
			STANDARD TRIM	81A STANDARD CAB
AA		41	BLACK MET.	F/100-750
			LEATHER GRAIN — HD VINYL	
			(A5 BENCH — BASE DOOR PANEL)	
			OPT. H.D. VINYL FOR STD. TRIM	81A STANDARD CAB
GA		4A	BLACK	700-750 STD. TRIM FOR F6000-7000
			VILON KNIT/KIWI — ALL VINYL	
			(A4 BENCH — BASE DOOR PANEL)	
			OPT. KNIT VINYL FOR STD. TRIM	81A STANDARD CAB
DA		42	BLACK MET.	
DB		22	MED. BLUE MET.	
DD		52	RED, DK. RED MET.	F700-750, F6000-7000
DU		32	TAN	
DG		62	MED. GREEN MET.	
			VILON KNIT/KIWI — ALL VINYL	
			(A4 BENCH — CUSTOM DOOR PANEL)	
			MED. TRUCK CUSTOM TRIM	81B CUSTOM CAB
EA		D1	MED. BLUE MET.	
ED		E1	RED, DK. RED MET.	F700-750, F6000-7000
EU		C1	TAN	
EG		F1	MED. GREEN MET.	
			LEATHER GRAIN — HD VINYL	
			(A5 BENCH — CUSTOM DOOR PANEL)	
			OPT. H.D. VINYL FOR CUSTOM TRIM	81B CUSTOM CAB
	W/BLACK	DA		
	W/BLUE	BA		
HA	W/RED	EA	BLACK	F700-750, F6000-7000
	W/GINGER	CA		
	W/GREEN	FA		
			INDIVIDUAL SEATS	
			BOSTROM VIKING	
	DRIVER	**DRIVER W/PASSENGER**		
			LEATHER GRAIN — ALL VINYL	
			(A6 BOSTROM — BAS DOOR PANEL)	
			OPT. SEAT FOR STD. TRIM	81A STANDARD CAB
KA	46	4F	BLACK	F700-750-7000
			LEATHER GRAIN — ALL VINYL	
			(A6 BOSTROM — CUSTOM DOOR PANEL)	
			OPT. SEAT FOR CUSTOM TRIM	81D CUSTOM CAB
LA	D6	DF	BLACK	F700-750-7000

CY1727-B

CONVENTIONAL "L" SERIES TRUCK TRIM

ENGR. CODE	RATING PLATE TRIM CODE: STD.	H.D.	COMFORT (STD. CAB)	CUSTOM	TRIM SCHEME	MODEL SERIES
					BENCH SEATS	
1Z	81				CITY DELIVERY STANDARD CAB TRIM-BENCH-(A1) % LANARK REPEAT/ROMAINE VINYL DK. TOBACCO	F-FT-FTS-N-NT800, N600-700-750 (L-LT-LTS-LN-LNT800-LN-600-700-750)
BZ			82		CITY DELIVERY OPT. COMFORT SEAT FOR STD. CAB-BENCH-(A2) % DIAMOND BASKETWEAVE/ROMAINE VINYL DK. TOBACCO	F-FT-FTS-N-NT800-900-8000 (L-LT-LTS-LN-LNT800-900-8000) N-600-700-750-6000-7000 (LN600-700-750-6000-7000)
CL		4A	4B		CITY DELIVERY OPT. H.D. VINYL FOR STD. CAB-BENCH-(A3) % LEATHER GRAIN H.D. VINYL BLACK	F-FT-FTS-NT800, N600-700-750-800 (L-LT-LTS-LNT800, LN600-700-750-800)
CL	4A		4B		AS STANDARD SEAT FOR STANDARD CAB-BENCH-(A3) % LEATHER GRAIN H.D. VINYL BLACK	F-FT-FTS-N-NT900-8000, N6000-7000 (L-LT-LTS-LN-LNT900-8000, LN-6000-7000)
2Z				H2	CITY DELIVERY CUSTOM TRIM-BENCH-(A2) % DIAMOND BASKETWEAVE/ROMAINE VINYL DK. TOBACCO	N600-700-750-800-900-6000-7000-8000 F-FT-FTS-NT800-900-8000 (LN600-700-750-800-900-6000-7000-8000, L-LT-LTS-LNT-800-900-8000)
3L				DB	CITY DELIVERY OPT. H.D. VINYL FOR CUSTOM CAB-BENCH-(A3) % LEATHER GRAIN H.D. VINYL BLACK	N600-700-750-800-900-6000-7000-8000 F-FT-FTS-NT600-900-8000 (LN600-700-750-800-900-6000-7000-8000, L-LT-LTS-LNT800-900-8000)

() AS IDENTIFIED BY SALES
% NOT AVAILABLE WITH LINE HAUL INSTRUMENT PANEL

CY1728-B1

FIG. 7 Trim, Seat, Body/Cab Type Identification

CONVENTIONAL "L" SERIES TRUCK TRIM

ENGINEERING CODE	RATING PLATE TRIM CODE DRIVER	RATING PLATE TRIM CODE DRIVER W. PASSENGER	TRIM SCHEME	MODEL SERIES
			INDIVIDUAL SEATS	
			(L.S.) UNISON ACTION — (A4)	
			AS STANDARD SEAT FOR STANDARD CAB	
			#CLARION KNIT/RUFFINO VINYL	
DZ	83	8C	DK. TOBACCO	F-FT-FTS-N-NT900 (L-LT-LTS-LN-LNT9000)
			AS OPTIONAL SEAT FOR STANDARD CAB	
			#CLARION KNIT/RUFFINO VINYL	
DZ	83	8C	DK. TOBACCO	N600-700-750-6000-7000, F-FT-FTS-N-NT800-900-8000 (LN600-700-750-6000-7000 L-LT-LTS-LN-LNT800-900-8000)
			AS STD. SEAT FOR CUSTOM CAB (DIESEL)	
			#CLARION KNIT/RUFFINO VINYL	
4Z	H3	HC	DK. TOBACCO	F-FT-FTS-N-NT9000 (L-LT-LTS-LN-LNT9000)
			AS OPTIONAL SEAT FOR CUSTOM CAB	
			#CLAIRON KNIT/RUFFINO VINYL	
4Z	H3	HC	DK. TOBACCO	N600-700-750-6000-7000, F-FT-FTS-N-NT800-900-8000 (LN-600-700-750-6000-7000, L-LT-LTS-LN-LNT800-900-8000)
			(L.S.) UNISON #675 — (A4)	
			AS OPTIONAL SEAT FOR STANDARD CAB	
			#CLARION KNIT/RUFFINO VINYL	
DZ	H4	HD	DK. TOBACCO	F-FT-FTS-N-NT800-900-8000-9000 (L-LT-LTS-LN-LNT800-900-8000-9000)
			AS OPTIONAL SEAT FOR CUSTOM CAB	
			#CLARION KNIT/RUFFINO VINYL	
4Z	H4	HD	DK. TOBACCO	F-FT-FTS-N-NT800-900-8000-9000 (L-LT-LTS-LN-LNT800-900-8000-9000)
			BOSTROM WESTCOASTER — (A5)	
			AS OPTIONAL SEAT FOR STANDARD CAB	
			*CLARION KNIT/RUFFINO VINYL	
EZ	H5	HE	DK. TOBACCO	F-FT-FTS-N-NT800-900-8000-9000 (L-LT-LTS-LN-LNT800-900-8000-9000)
			AS OPTIONAL SEAT FOR CUSTOM CAB	
			#CLARION KNIT/RUFFINO VINYL	
5Z	H5	HE	DK. TOBACCO	F-FT-FTS-N-NT800-900-8000-9000 (L-LT-LTS-LN-LNT800-900-8000-9000)

() AS IDENTIFIED BY SALES
CITY DELIVERY AND LINE HAUL INSTRUMENT PANEL

CY1728-A2

TILT CABS

BENCH SEATS

RATING PLATE TRIM CODE						
ENGR. CODE	STD.	COMFORT (STD. CAB)	H.D.	CUSTOM	TRIM SCHEME	MODEL SERIES
					STANDARD CAB TRIM-BENCH-(A6)	
					BLOCKWEAVE AND CRUSH VINYL	
01	11				LT. GRAY	C600-700-750-800, CT800
					OPTIONAL H.D. VINYL FOR STD. CABS-BENCH-(A8)	
					LEATHER GRAIN HEAVY DUTY VINYL	
36		4B	4A		BLACK	C600-700-750-800, CT800
					STANDARD SEAT H.D. VINYL FOR STD. CAB-BENCH-(A8)	
					LEATHER GRAIN HEAVY DUTY VINYL	
36	4A	4B			BLACK	C900-CT900
					OPT. COMFORT SEAT FOR STD. CAB-BENCH-(A7)	
					TWILL STRIPE PLASTIC AND CRUSH VINYL	
11		12			GRAY MULTI-COLOR LT. GRAY	C600-700-750-800-900, CT800-900
					CUSTOM CAB TRIM-BENCH-(A7)	
					TWILL STRIPE PLASTIC AND CRUSH VINYL	
11				A2	GRAY MULTI-COLOR LT. GRAY	C600-700-750-800-900, CT800-900
					OPT. H.D. VINYL FOR CUSTOM CABS-BENCH-(A8)	
					LEATHER GRAIN HEAVY DUTY VINYL	
36			DB		BLACK	C600-700-750-800-900, CT800-900

CY1729-A

FIG. 8 Trim, Seat, Body/Cab Type Identification

TILT CAB

ENGINEERING CODE	RATING PLATE TRIM CODE DRIVER	RATING PLATE TRIM CODE DRIVER W/PASSENGER	TRIM SCHEME	MODEL SERIES
			INDIVIDUAL SEATS	
			UNISON ACTION (LIER SIEGLER)	
26	43	4C	AS STANDARD SEAT FOR STANDARD CAB LEATHER GRAIN VINYL BLACK	C6000-700-8000
26	43	4C	AS OPTIONAL SEAT FOR STANDARD CAB LEATHER GRAIN VINYL BLACK	C600-700-750-800-900, CT800-900
26	D3	DC	AS STANDARD SEAT FOR CUSTOM CAB LEATHER GRAIN VINYL BLACK	C6000-7000-8000
26	D3	DC	AS OPTIONAL SEAT FOR CUSTOM CAB LEATHER GRAIN VINYL BLACK	C600-700-750-800-900, CT800-900
			HI-WAY TRACTOR	
7F	G4	GD	UNISON #675 WITH ROADRUNNER SUSPENSION AS STANDARD SEAT — NON SLEEPER CRINKLE VINLY (SADDLE)	W-WT-9000
8F	G4	GD	AS STANDARD SEAT — SLEEPER CRINKLE VINYL (SADDLE)	W-WT-9000
			BOSTROM SEAT — WEST COASTER	
7F	G5	GE	AS OPTIONAL SEAT — NON SLEEPER LEATHER GRAIN VINYL (SADDLE)	W-WT-9000
8F	G5	GE	AS OPTIONAL SEAT — SLEEPER LEATHER GRAIN VINYL (SADDLE)	W-WT-9000
			CUSH-N-AIRE	
77F	G7	GG	AS OPTIONAL SEAT — NON SLEEPER LEATHER GRAIN VINYL (SADDLE)	W-WT-9000
78F	G7	GG	AS OPTIONAL SEAT — SLEEPER LEATHER GRAIN VINYL (SADDLE)	W-WT-9000
			BOSTROM SEAT — LEVELAIR	
7F	G8	GH	AS OPTIONAL SEAT — NON SLEEPER LEATHER GRAIN VINYL (SADDLE)	W-WT-9000
8F	G8	GH	AS OPTIONAL SEAT — SLEEPER LEATHER GRAIN VINYL (SADDLE)	W-WT-9000

CY1730-A

FIG. 9 Trim, Seat, Body/Cab Type Identification

TRUCK SERIES CODES

	Type
U	Bronco

	Basic Series
U15	U100 (Wagon) 4x4

ECONOLINE

100 Series

Conventional	Super	
E01	—	E100 Club Wagon 5 passenger
E02	—	E100 Club Wagon 8 Passenger
E04	—	E100 Cargo Van
E05	—	E100 Window Van
E06	—	E100 Display Van

150 Series

E11	S11	E150 Club Wagon 5 Passenger
E12	S12	E150 Club Wagon 8 Passenger
E14	S14	E150 Cargo Van
E15	S15	E150 Window Van
E16	S16	E150 Display Van

250 Series

E21	S21	E250 Club Wagon 5 Passenger
E22	S22	E250 Club Wagon 8 Passenger
E23	S23	E250 Club Wagon 12 Passenger
—	S29	E250 Club Wagon 15 Passenger
E24	S24	E250 Cargo Van
E25	S25	E250 Window Van
E26	S26	E250 Display Van

350 Series

—	S32	E350 Club Wagon 8 Passenger
—	S33	E350 Club Wagon 12 Passenger
—	S39	E350 Club Wagon 15 Passenger
E34	S34	E350 Cargo Van
E35	S35	E350 Window Van
E36	S36	E350 Display Van

ECONOLINE "CUTAWAY" MODEL

E27	E250 Cutaway
E37	E350 Cutaway

PARCEL DELIVERY

E28	E250 Cutaway
E38	E350 Cutaway

CONVENTIONAL — F-SERIES — GAS

Chassis Cab	Pick-Up	Basic Series
F17	F10	F100
F16	F14	F150 4x4
F19	F15	F150
F27	F25	F250
[illegible]	F26	F250 4x4
[illegible]	[illegible]	[illegible]

Chassis Cab	Pick-Up	Basic Series
X17	X10	F100
X19	X15	F150
X27	X25	F250
X37	X35	F350

CONVENTIONAL — F-500-600 — GAS

F50	F500
F60	F600
F61	F600
F65	F600 4x4
F66	F600 4x4

BUS — B-SERIES — GAS

B50	B500
B60	B600
B61	B600

CONVENTIONAL — F-SERIES — GAS

F50	F500
F60	F600 GVW Range Split
F61	F600 GVW Range Split
F65 4x4	F600 GVW Range Split
F66 4x4	F600 GVW Range Split
F70	F700
F75	F750
F88	F880
	F-Series — Diesel
K70	F7000

BUS CHASSIS COWLS — B-SERIES

B50	B500
B60	B600 GVW Range Split
B61	B600 GVW Range Split
B70	B700
B75	B750
	B-Series — Diesel
J70	B7000

PARCEL — GAS

P50	P500
P60 (DSO)	P600

CONVENTIONAL — L-SERIES

	L-Series — Gas
F80, F81	L800
F90, F91	L900
	L-Series — Diesel
K80	L8000
K81	L8000
K90	L9000
	LT-Series — Gas
T80, T81	LT800
T88	LT880
T90, T91	LT900

	LT-Series — Diesel
U80, U81	LT8000
U90, U91	LT9000
	LTS-Series — Gas
V80, V81	LTS800
V90, V91, V92	LTS900
	LTS-Series — Diesel
Y80, Y81	LTS8000
Y90, Y91	LTS9000

SHORT CONVENTIONAL — LN-SERIES

	LN-Series — Gas
N60	N600
N61, N62	N600
N70, N71	N700
N75, N76	N750
N80, N81	N800
N90, N91	N900
	LN-Series — Diesel
R60	N6000
R61	N6000
R70, R71	N7000
R80, R81	N8000
R90	N9000
	LNT-Series — Gas
S80, S81	NT800
S88, S90, S91	NT900
	NT880
	LNT-Series — Diesel
W80, W81	NT8000
W90, W91	NT9000

LOW TILT CABS — C-SERIES

	C-Series — Gas
C60	C600
C61	C600
C70	C700
C75	C750
C80	C800
C90, C91	C900
	C-Series — Diesel
D60, D61	C6000
D70	C7000
D80	C8000
	CT-Series — Gas
L80	CT800
L90, L91	CT900
	CT-Series — Diesel
Q80	CT8000

HIGH TILT CABS — W-SERIES

	W-Series — Diesel
Z90	W9000
X90, X91	WT9000

CY1700-C

ENGINE CODES: BRONCO — LT. TRUCK — MED. TRUCK — SCHOOL BUS — 1000 THRU 600 VEHICLE NUMBERING SYSTEM

Code	Engine CID	Cyl.
	Gas (Bronco)	
G	302-2V	8
	Gas (Light F-100-350)	
B	300-1V	6
G	302-2V	8
Z	(DSO)	
H	351-2V	8
S	400-2V	8
J	460-4V	8
	Gas (Medium F & B 500-600)	
B	300-1V	6
B	300-1V H.D.	6
	(600 Series)	
C	330-2V M.D.	8
D	330-2V X.D.	8
E	361-4V X.D.	8
P	361-2V X.D.	8
F	391-4V X.D.	8
U	330-2V LPG (DSO)	8
W	361-4V LPG (DSO)	8
M	361-2V LPG (DSO)	8
X	391-4V LPG (DSO)	8
J	300-2V LPG (DSO)	6
Z	(DSO)	
	Gas (Export Low Comp)	
2	300-1V	6
4	330-2V X.D.	8
5	361-2V X.D.	8
8	351-2V	8

ECONOLINE — CLUB WAGON

Code	Engine CID	Cyl.
	Gas (Econoline)	
B	300-1V	6
H	351-2V	8
A	460-4V	8

GAS ENGINE CODES: 1977 FORD HEAVY & EXTRA-HEAVY TRUCK SERIES 700 THRU 900, N-600-C600 'F & B500-600 — PARCEL' VEHICLE NUMBERING SYSTEM

Low Comp. Code	Code	Parcel
—	G	300-IV H.D.
		F & B 500-600
2	B	300" 1V
—	B	300" 1V H.D. (600 Series)
—	C	330" 2V MD
4	D	330" 2V X.D.
—	E	361" 4V X.D.
5	P	361" 2V X.D.
—	F	391" 4V X.D.
—	U	330" 2V-LPG (DSO)
—	W	361" 4V-LPG (DSO)
—	M	361" 2V-LPG (DSO)
		.PG (DSO)
		.PG (DSO)

Low Comp. Code	Code	Parcel
		700 Thru 900 — N-C600
—	G	300-IV H.D.
—	D	330-2V
5	P	361-2V
—	E	361-4V H.D.
—	F	391-4V H.D.
—	J	475-4V
—	K	477-4V S.D.
—	L	534-4V S.D.
—	Z	DSO

DIESEL ENGINE CODES: 1977 FORD HEAVY & EXTRA-HEAVY TRUCK SERIES 700 THRU 9000, N600-C600 'F & B 500-600 — PARCEL' VEHICLE NUMBERING SYSTEM

Less 9000 Series

Code	
	Detroit
7	568 8V71N 263 H.P. 2100 RPM
6	568 8V71N 280 H.P. 2100 RPM
T	568 8V71N 304 H.P. 2100 RPM
N	568 8V71T 308 H.P. 2100 RPM
E	568 8V71T 335 H.P. 2100 RPM
Y	568 8V71T 350 H.P. 2100 RPM
4	568 8V71TT 305 H.P. 1950 RPM
A	SPECIAL ORDER DETROIT
	Caterpillar
B	636 3208 V190 175 H.P. 2800 RPM
D	636 3208 V225 210 H.P. 2800 RPM
Q	636 3208 V200 H.P. 2800 RPM
H	893 3406 280 H.P. 2100 RPM
J	893 3406 280 H.P. 1900 RPM
M	893 3406 325 H.P. 2100 RPM
C	SPECIAL ORDER CATERPILLAR
	Cummins
1	855 NTC-230 230 H.P. 2100 RPM
R	855 NTC-230 230 H.P. 1900 RPM
F	855 NTC-250 250 H.P. 2100 RPM
2	855 NTC-250 250 H.P. 1900 RPM
K	855 NTC-270 PT 270 H.P. 2100 RPM
3	855 NTC-290 255 H.P. 2100 RPM
9	855 NTC-290 255 H.P. 1900 RPM
V	855 NTC-290 290 H.P. 2100 RPM
U	855 NTC-290 290 H.P. 1900 RPM
W	855 NTC-350 300 H.P. 2100 RPM
X	855 NTC-350 300 H.P. 1900 RPM
8	855 NTC-350 320 H.P. 2100 RPM
G	855 NTC-350 320 H.P. 1900 RPM
O	855 NTC-350 335 H.P. 2100 RPM
I	855 NTC-350 335 H.P. 1900 RPM
L	855 NTC-350 350 H.P. 2100 RPM
P	855 NTC-350 350 H.P. 1900 RPM
S	SPECIAL ORDER CUMMINS

9000 Series

Code	
	Detroit
4	8V-71 TT INE 395 H.P. 1900 RPM
2	6-7 IN 238 H.P. 2100 RPM
7	8V-7 INE 253 H.P.
6	8V-7 IN 280 H.P.
T	8V-7 IN 304 H.P.
B	8V-71T 308 H.P.
E	8V-71T 335 H.P.
Y	8V-71T 350 H.P.
	Cummins
U	NTC-290 H.P. 1900 RPM
K	NTC-270 PT 270 H.P.
V	NTC-290 290 H.P. 2100 RPM
L	NTC-350 350 H.P.
O	NTC-350 335 H.P.
8	NTC-350 320 H.P.
G	V903 295 H.P.
Z	Special Engine (DSO)
S	Special Order Engine Cummins (DSO)
A	Special Order Engine Detroit (DSO)
C	Special Order Engine Caterpillar (DSO)

ASSEMBLY PLANTS CODE LETTERS

Code	Assembly Plant
C	Ontario Truck
E	Mahwah
H	Lorain
I	Highland Park
K	Kansas City
L	Michigan Truck
N	Norfolk
P	Twin Cities
R	San Jose
S	Allen Park
U	Louisville
V	Kentucky Truck

CY1701-C

ECONOLINE CLUB WAGONS VEHICLE NUMBERING SYSTEM

The Uniform Sequential Serial and Warranty Numbering System for the 1977 Model Year Program is outlined as follows:

SERIAL & WARRANTY NO. BLOCKS BASED UPON THE SCHEDULED MONTH

1977 Model Program

*Job #1 1977				
August*	000,000 — 019,999	January	X80,000 — X99,999
September	020,000 — 039,999	February	Y00,000 — Y19,999
October	040,000 — 059,999	March	Y20,000 — Y39,999
November	060,000 — 079,999	April	Y40,000 — Y59,999
December	080,000 — 099,999	May	Y60,000 — Y79,999
		June	Y80,000 — Y99,999
		July	Z00,000 — Z19,999
		August	Z20,000 — Z99,999

1976 Model Program

For record purposes the 1976 Model Year Serial Number is shown to reflect August thru 1976 Model Build Serial Numbers.

*Job #1 1976	1975 Calendar Year	1976 Calendar Year	
August*	A00,000 — A24,999	January	B25,000 — B49,999
September	A25,000 — A49,999	February	B50,000 — B74,999
October	A50,000 — A74,000	March	B75,000 — B99,999
November	A75,000 — A99,999	April	C00,000 — C24,999
December	B00,000 — B24,999	May	C25,000 — C49,999
		June	C50,000 — C74,999
		July	C75,000 — C99,999
		August	D00,000 — D24,999

BRONCO-LT TRUCK-MED TRUCK-SCHOOL BUS-100 THRU 600 VEHICLE NUMBERING SYSTEM

SERIAL & WARRANTY NO. BLOCKS BASED UPON THE SCHEDULED MONTH

Starting Serial Number for all Bronco F100-350 F & B 500-600 is 000,000

*Job #1 1977	1976 Calendar Year		1977 Calendar Year		
		Kentucky Truck Plt. F & B 500-600			Kentucky Truck Plt. F & B 500-600
August	000,000 — 019,999	000,000 — 004,999	January	X80,000 — X99,999	X80,000 — X84,999
September	020,000 — 039,999	020,000 — 024,999	February	Y00,000 — Y19,999	Y00,000 — Y04,999
October	040,000 — 059,999	040,000 — 044,999	March	Y20,000 — Y39,999	Y20,000 — Y24,999
November	060,000 — 079,999	060,000 — 064,999	April	Y40,000 — Y59,999	Y40,000 — Y44,999
December	080,000 — 099,999	080,000 — 084,999	May	Y60,000 — Y79,999	Y60,000 — Y64,999
			June	Y80,000 — Y99,999	Y80,000 — Y84,999
			July	Z00,000 — Z19,999	Z00,000 — Z04,999
			August	Z20,000 — Z99,999	Z20,000 — Z24,999

For record purposes the 1976 Model Year Serial Numbering is shown starting Serial Number for all Bronco F100-350 F & B 500-600 is A00,000

*Job #1 1976	1975 Calendar Year	1976 Calendar Year	
August	A00,000 — A24,999	January	B25,000 — B49,999
September	A25,000 — A49,999	February	B50,000 — B74,999
October	A50,000 — A74,999	March	A75,000 — B99,999
November	A75,000 — A99,999	April	C00,000 — C24,999
December	B00,000 — B24,999	May	C25,000 — C49,999
		June	C50,000 — C74,999
		July	C75,000 — C99,999
		August	D00,000 — D24,999

FORD HEAVY & EXTRA-HEAVY TRUCK SERIES 700 THRU 9000, N600-C600 'F & B 500-600-PARCEL' VEHICLE NUMBERING SYSTEM

SERIAL & WARRANTY NUMBER BLOCKS BASED UPON THE SCHEDULED MONTH

1977 Model Program for Heavy, Extra-Heavy and Parcel Trucks

*Job #1 1977	1976 Calendar Year	1977 Calendar Year	
August*	005,000 — 019,999	January	X85,000 — X99,999
September	025,000 — 039,999	February	Y05,000 — Y19,999
October	045,000 — 059,999	March	Y25,000 — Y39,999
November	065,000 — 079,999	April	Y45,000 — Y59,999
December	085,000 — 099,999	May	Y65,000 — Y79,999
		June	Y85,000 — Y99,999
		July	Z05,000 — Z19,999
		August	Z25,000 — Z99,999

1977 Model Program for F-B500-600 — Med. Trucks

*Job #1 1977	1976 Calendar Year	1977 Calendar Year	
August*	000,000 — 004,000	January	X80,000 — X84,999
September	020,000 — 024,999	February	Y00,000 — Y04,999
October	040,000 — 044,999	March	Y20,000 — Y24,999
November	060,000 — 064,999	April	Y40,000 — Y44,999
December	080,000 — 084,999	May	Y60,000 — Y64,999
		June	Y80,000 — Y84,999
		July	Z00,000 — Z04,999
		August	Z20,000 — Z24,999

1976 Model Program for Heavy, Extra-Heavy and Parcel Trucks

For record purposes the 1976 Model Year Serial Numbering is shown

*Job #1 1976	1975 Calendar Year	1976 Calendar Year	
August*	A05,000 — A24,999	January	B35,000 — B49,999
September	A35,000 — A49,999	February	B60,000 — B74,999
October	A60,000 — A74,999	March	B85,000 — B99,999
November	A85,000 — A99,999	April	C10,000 — C24,999
December	B10,000 — B24,999	May	C35,000 — C49,999
		June	C60,000 — C74,999
		July	C85,000 — C99,999
		August	D10,000 — D24,999

1976 Model Program for F-B500-600 Med. Trucks

*Job #1 1976	1975 Calendar Year	1976 Calendar Year	
August*	A00,000 — A04,999	January	B25,000 — B34,999
	A25,000 — A34,999	February	B50,000 — B59,999
	A50,000 — A59,999	March	B75,000 — B84,999
	A75,000 — A84,999	April	C00,000 — C09,999
	B00,000 — B09,999	May	C25,000 — C34,999
		June	C50,000 — C59,999
		July	C75,000 — C84,999
		August	D00,000 — D09,999

CY1731-B

TRUCK EXTERIOR COLOR CODES (See Footnote)

Color	Suff#	Spec#	Ref#	ECONOLINE	BRONCO LIGHT MEDIUM	KENTUCKY TRUCK PLANT	Econo Vans Wagons & Cutaways: Std. & Cust. Vans; Std. Club and Std. Cutaway	Econo Vans Wagons & Cutaways: All Chateaus; Cust. Club & Custom Cutaway	BRONCO	LIGHT 100-350	MEDIUM F-500-600	KENTUCKY TRUCK HEAVY-PARCEL F-600 4x4	Truck Sales Name
		(XXA)	(A)	Code									
Black	C1A	JASA	1724	1C(A)	1C(A)	1C(A)	A	A	*A	A	A	A	Raven Black
Silver Met.	90P	SPLC	5299	1G(J)	1G(J)		J	J		▲J▼			Silver Met.
Med. Silver Met.	B5P	EPKC	5488		1M(V)	1M(V)			V	V	V	V	Silver Met.
Candyapple Red	80D	JDMA	2008	2E(T)	2E(T)	2E(T)	T	T	T	T	T	T	Candyapple Red
Brt. Red	78D	CDJA	5440		2R(K)	2R(K)			K	K	K	K	Brt. Red
Rangoon Red	79D	JDNA	1515			2V(J)						J	Rangoon Red
Coral	77D	JDKA	1730		2A(N)					▲N			Coral
Med. Blue Met.	G4B	TBMC	5087	3D(N)			N	N					Brook Blue Met.
Brt. Dk. Blue Met.	H9B	SBQC	5094	3G(S)	3G(S)	3G(S)	S	S	S	S	S	S	Midnight Blue Met.
Brt. Med. Blue	C8B	QBMA	5004		3T(I)	3T(I)			I	I	I	I	Bahama Blue
Lt. Blue	87B	EBLA	5467	3U(8)	3U(8)	3U(8)	8	8	8	8	8	8	Lt. Blue
Blue Met.	A1B	EBMC	5474		3Y(D)				•D	•D			
Dk. Jade Met.	16K	AKQC	5328	46(B)	46(B)	46(B)	B	B	B	B	B	B	Dk. Jade Met.
Dk. Green	D7G	QGQA	5005		49(O)	49(O)			O#	O#	O#	O#	Mallard Green
Copper Met.	25C	SCLC	5035		5B(Z)	5B(Z)			Z	Z	Z	Z	Copper Met.
Tan	40U	YUMA	5297		5V(3)					+3			Autumn Tan
Brt. Yellow	24V	SVPA	5080		6E(5)					▲5			Brt. Yellow
Chrome Yellow	07V	JVMA	1526	6S(G)	6S(G)	6S(G)	*G	*G	*G	*G	*G	*G	Chrome Yellow
Lt. Tan	52U	CULA	5441	6U(X)	6U(X)	6U(X)	X	X	X	X	X	X	Indio Tan
Lt. Jade	12R	CRJA	5445	7A(R)	7A(R)	7A(R)	R	R	R	R	R	R	Lt. Jade
Holly Green	89R	JRQA	1237			7D(L)						L	Holly Green
Chartreuse	B2G	CGHA	5497		7R(L)					▲L			Chartreuse
Med. Emerald	O8M	EMNA	5500		7U(W)				W				Brt. Emerald
Dk. Brown (Tu-Tone Only)	41T	QTQA	5064		8D(6)					+6			Dk. Brown
Tangerine	13E	CEKA	5459	8F(2)			2	2					Tangerine
Dk. Brown Met.	70T	ZTQC	5282		82(H)				•H	•H			
Vista Orange	25E	EEKA	5466		8G(U)				U				
Med. Copper	82C	CCMA	5475		8Q(2)	8Q(2)			2	2	2	2	Med. Copper
White	43W	ZWFA	5418		9D(7)					+7			Pollar White
Special White	32W	JWGA	1525			9E(C)						*C	Pure White
White	26W	JWFA	1619	9A(M)	9A(M)	9A(M)	M	M	M	M	M	M	Wimbledon White
Dk. Brown Met.	75T	YTQC	5477	5Q(F)			F	F					
$ NOTE: Kentucky Truck Plant only will code 1619A White with codes M, D, E, or H White (KTP only) 26W JWFAXXA 1619A													
$ Unique Kentucky Truck Coding Only required for sound level decibel D-83 dbA — E=86 dbA — H=88 dbA — M=none												$D $E $H	
@ NOTE: KTP only uses color code N to identify units built less cab — less paint.												@N	
Red / Prime Gray				← 99(9) →			← 9 →						Prime
RPO Unique Colors (Non Polish) "D"													
Tan Met.	41U	YUMD	5298		5U(4)					+4			Tan Glow
Jade Met.	62R	ERVD	5505	7N(Y)	7N(Y)	7N(Y)	Y	Y	Y	Y	Y	Y	Jade Glow
Nectarine Met.	06T	CTMD	5507	8T(E)			E	E					Nectarine Met.
Dk. Nectarine Met.	08T	ETQD	5506		8U(P)	8U(P)			P	P	P	P	Cinnamon Glow

★Ext. Color Codes 1G-3D-46-5B-7N-8T
not available Parcel Delivery Van Cutaway

* RPO — Less Uniques
\# LPO Fleet
• Explorer 77½
\+ Lux. Decor
▲ Unique San Jose
▼ Unique Twin City

tion system it will be necessary to reflect Econoline codes and the KTP Heavy Truck codes as separate paint code systems. This will fferent paint colors or unique code conditions. (Ex. J Econo Silver, K KTP Red)

will use the new double code system but will convert the double paint code to a single paint code (as shown in ( ) parenthesis for the to truck code column).

CY1732-B

FRONT AXLE CODES, LIGHT AND MEDIUM TRUCKS

Bronco and F-100-350			F & B 500 — 600			
W/Power Steering	Code	Front Axle/Power Steering	P/Steering Delete	W/Power Steering		Front Axle
J	—	Power Steering	A	J	—	Power Steering
R	9	3,800# Dana — 60F	—	K	2	5,500
E	5	3,800#	—	L	3	6,000
G	7	High Alt.	D	M	4	7,000
H	8	High Alt. Not Required	E	N	5	9,000
			Standard Front Axles will not be punched on FB-500-600.			

FRONT AXLE CODES, HEAVY TRUCKS

W/Power Steering	Code	#Front Axle — GVW
K	2	5,500
L	3	6,000
M	4	7,000
N	5	9,000
P	7	12,000
	8	12,000 Steer Ease
S	—	16,000
T	—	18,000
U	—	20,000

DISTRICT CODES

11 BOSTON	41 CHICAGO	71 LOS ANGELES
12 BUFFALO	42 CLEVELAND	72 SAN JOSE
13 NEW YORK	43 MILWAUKEE	73 SALT LAKE CITY
14 PITTSBURGH	45 LANSING	74 SEATTLE
15 NEWARK	46 INDIANAPOLIS	75 PHOENIX
16 PHILADELPHIA	47 CINCINNATI	76 DENVER
17 WASHINGTON	48 DETROIT	
21 ATLANTA	52 DALLAS	83 GOVERNMENT
22 CHARLOTTE	53 KANSAS CITY	84 HOME OFFICE RESERVE
23 MEMPHIS	54 OMAHA	85 AMERICAN RED CROSS
24 JACKSONVILLE	55 ST. LOUIS	89 TRANSPORATION SERVICES
25 RICHMOND	56 DAVENPORT	87 BODY COMPANY
26 NEW ORLEANS	57 HOUSTON	
28 LOUISVILLE	58 TWIN CITIES	90's EXPORT

Ford of Canada

MERCURY REGIONS	FORD REGIONS
A1 CENTRAL	B1 CENTRAL
A2 EASTERN	B2 EASTERN
A3 ATLANTIC	B3 ATLANTIC
A4 MIDWESTERN	B4 MIDWESTERN
A6 WESTERN	B6 WESTERN
A7 PACIFIC	B7 PACIFIC
12 EXPORT	12 EXPORT

NOTE: EXPORT ALPHABETICAL I

CY1702-C

MODEL CODES AND GROSS VEHICLE WEIGHT RATINGS

ECONOLINE CLUB, CUSTOM & CHATEAU WAGONS

Code			GVW	
Conv.	Super	Passenger	Conv.	Super
E-100 Series				
E-010	*	5	5,500	*
E-011		5	5,700	
E-012		5	5,900	
E-020		8	5,900	
E-021		8	6,000	
E-150 Series				
E-100		5	6,200	
E-111		5	6,200	
E-112		5	6,400	
E-113		5	6,600	
E-120		8	6,300	
E-121		8	6,500	
E-122		8	6,600	
E-123		8	6,300	
E-124		8	6,500	
E-125		8	6,600	

Code			GVW	
Conv.	Super	Passenger	Conv.	Super
E-250 Series				
E-210		5	6,900	
E-211		5	7,100	
E-212		5	7,800	
E-220		8	6,900	
E-221		8	7,100	
E-222		8	7,300	
E-223		8	7,500	
E-224		8	7,700	
E-225		8	8,200	
E-230		12	7,700	
E-231		12	7,900	
E-232		12	8,100	
E-233		12	8,500	
E-234		12	8,900	

ECONOLINE CARGO, WINDOW, DISPLAY VANS & CUTAWAY, CUTAWAY PARCEL DELIVERY MODELS

Code						GVW	
Conv. Cargo	Super Cargo	Conv. Window	Super Window	Conv. Display	Super Display	Conv.	Super
E-100 Series							
E-040	*	E-050	*	E-060	*	5,150	*
E-041		E-051		E-061		5,750	
E-150 Series							
E-140		E-150		E-160		6,150	
E-250 Series							
E-240		E-250		E-260		6,800	
E-241		E-251		E-261		7,500	
E-242		E-252		E-262		8,300	
E-350 Series							
E-340		E-350		E-360		8,600	
E-341		E-351		E-361		9,550	
E-342		E-352		E-362		9,850	

Cutaway	GVW	Cutaway Parcel Delivery	GVW
E-250 Series			
E-270	8,400	E-280	7,700
E-350 Series			
E-370		—	8,750 Single Rear
E-371		—	9,650 Single Rear
E-372		—	8,750 Dual Rear
E-373		—	10,000 Dual Rear
E-374		—	11,000 Dual Rear
—		E-380	8,750 Dual Rear
—		E-381	9,850 Dual Rear
—		E-382	10,000 Dual Rear
—		E-383	10,500 Dual Rear

*SUPER Requirements to be determined.

CY1703-C

MODEL CODES AND GROSS VEHICLE WEIGHT RATINGS

BRONCO, LT TRUCK, MED TRUCK, SCHOOL BUS — 100 THRU 600

Bronco

Code	G.V.W.	Nom Ton-½
U 15 0	4,400	U-100
U 15 1	4,600	
U 15 2	4,900	HD Package

Light and Medium

Pick-Ups	Chassis Cab	G.V.W.	Wheel-Base
	F-100 4x2		
F-101	F-171	4,700	133
F-103	F-173	4,900	117
F-105	F-175	5,100	133
F-106	F-176	5,250	117
F-107	F-177	5,400	133
	F-150 4x2		
F-150	F-190	6,050	133
	F-150 4x4		
F-140	F-160	6,050	117
F-141	F-161	6,150	133
F-143	F-163	6,350	133
	F-250 4x2		
F-250	F-270	6,200	133
F-251	F-271	6,800	133
F-252	F-272	7,700	133
F-253	F-273	7,900	133
	F-250 4x4		
F-260	F-280	6,750	133
F-261	F-281	7,500	133
F-262	F-282	7,700	133

Pick-Ups	Chassis Cab	G.V.W.	Wheel-Base
	F-350 4x2		
—	F-370	6,600	137
F-351	F-371	6,750	161
—	F-372	8,000	137
F-353	F-373	8,200	161
—	F-374	8,300	137
—	F-375	8,500	161
—	F-377	9,500	137, 161
—	F-378	10,000	137, 161
F-354	—	8,300	140
F-356	—	8,900	140
F-358	—	9,900	140
	Super-Cab F-100 4x2		
X-108	X-178	5,500	139
X-109	X-179	5,650	155
X10N	X17N	5,200	139, 155
	F-150 4x2		
X-150	X-190	6,050	139, 155
	F-250 4x2		
X-251	X-271	6,800	139
X-254	X-274	6,300	139
X-255	X-275	6,550	155
X-256	X-276	7,800	139
X-257	X-277	7,050	155
X-258	X-278	7,600	139
X-259	X-279	8,100	155
X-25N	X-27N	7,500	155
	F-350 4x2		
X-359	X-379	9,250	155

Model Code	G.V.W.
F-500 4x2	
F-500	14,000
F-501	16,000
F-502	17,400
F-503	19,200
F-600 4x2	
F-600	16,000
F-601	17,000
F-610	19,700 Ryder
F-611	20,200
F-612	21,000
F-613	22,000
(6,000 Frt. 6,160 Rear)	
F-614	22,000
(7,000 Frt. 15,000 Rear)	
F-615	23,000
F-616	24,000
F-618	17,900 U-Haul
F-600 4x4	
F-650	17,200
F-660	21,700
F-661	24,000
B-500 Bus 4x2	
B-502	17,400
B-503	19,200
B-600 Bus 4x2	
B-602	19,200
B-610	19,700
B-611	20,200
B-613	21,000
(6,000 Frt. 15,000 Rear)	
B-614	22,000
(6,000 Frt. 17,500 Rear)	
B-615	22,000
(7,000 Frt. 15,000 Rear)	
B-616	23,000
B-617	24,500

FORD HEAVY & EXTRA-HEAVY TRUCK SERIES
700 THRU 9000, N600-C600 'F & B 500-600 — PARCEL'

BUS CHASSIS COWL		
B-Series — Gas		
B-500		
B-502	17,400	
B-503	19,200	
B-600		
B-602	19,200	
B610	19,700	
B-611	20,200	
B-613	21,000 GAWR Frt. 6,000 Rear 15,000	
B-614	22,000 GAWR Frt. 6,000 Rear 17,500	
B-615	22,000 GAWR Frt. 7,000 Rear 15,000	
B-616	23,000	
B-617	24,500	
B-700		
B-700	19,700	
B-701	21,000	
B-702	21,000	
[illegible]703	22,000	
[illegible]04	23,000	

BUS CHASSIS COWL		
B-750		
B-750	21,500	
B-751	22,000	
B-752	23,000	
B-753	24,000	
B-754	24,000	
B-755	25,500	
B-756	22,000	
B-Series — Diesel		
B-7000		
J-700	20,200	
J-701	22,000	
J-702	23,000	
J-703	24,000	
J-704	24,000	
J-705	25,500	
J-706	22,000	
CONVENTIONAL 'F' SERIES CAB		
F-Series — Gas		
F-500		
F-500	14,000	
F-501	16,000	
F-502	17,400	
F-503	19,200	

CONVENTIONAL 'F' SERIES CAB			
F-600			
F-600	16,000		
F-601	17,000		
F-602	19,200		
F-610	19,700 Ryder		
F-611	20,200		
F-612	21,000		
F-613	22,000 GAWR Frt. 6,000 Rear 6,160		
F-614	22,000 GAWR Frt. 7,000 Rear 15,000		
F-615	23,000		
F-616	24,000		
F-618	17,900 U-Haul		
F-600 4x4			
F-650	17,200	F-880	
F-660	21,700	F-880	25,500
F-661	24,000	F-881	27,500
F-700			
F-700	19,200		
F-701	21,000		
F-702	22,000		
F-703	23,000		
F-704	24,000		
F-705	24,000		
F-706	25,500		
F-707	22,000		

CY1704-C

MODEL CODES AND GROSS VEHICLE WEIGHT RATINGS

CONVENTIONAL 'F' SERIES CAB	
F-750	
F-750	21,500
F-751	22,000
F-752	23,000
F-753	24,000
F-754	24,000
F-755	25,500
F-756	27,500
F-757	21,500
F-758	22,000
F-7000 — (Diesel)	
K-700	19,200
K-701	21,000
K-702	22,000
K-703	23,000
K-704	24,000
K-705	24,000
K-706	25,500
K-707	27,500
K-708	22,000

CONVENTIONAL 'L' SERIES CAB	
L-Series — Gas	
L-800	
F-802	24,500
F-803	25,500
F-804	27,500
F-805	29,000
F-806	31,000
F-808	34,000
F-809	31,000
F-810	22,100
F-811	31,800
F-812	22,100
F-813	31,800
F-814	34,000

L-900	
F-900	25,500
F-902	27,500
F-905	31,000
F-906	32,000
F-908	34,000
F-909	35,000
F-912	23,100
F-913	31,800
F-914	31,000
L-Series — Diesel	
L-8000	
K-802	25,500
K-803	27,500
K-805	31,000
K-806	32,000
K-807	34,000
K-808	35,000
K-812	23,100
K-813	31,800
L-9000	
K-902	32,000
K-904	35,000
K-907	28,000
K-908	31,800
LT-Series — Gas	
LT-800 & LT-880	
T-800	37,000

LT-SERIES — GAS	
LT-800 AND LT-880	
T-811	41,000
T-812	44,800
T-880	39,000
T-881	41,000
T-882	43,000
T-883	44,800
T-884	46,000
T-885	41,000
LT-900	
T-900	39,000
T-902	41,000
T-904	43,000
T-906	46,000
T-907	50,000
T-908	50,000
T-909	54,000
T-911	60,000
T-914	44,800
T-915	48,000
T-916	52,000
T-917	58,000
LT-Series — Diesel	
LT-8000	
U-800	39,000
U-805	46,000
U-806	50,000
U-807	50,000
U-808	54,000
U-809	60,000
U-815	41,000
U-816	44,800
U-817	61,000
U-810	55,000

LT-9000	
U-900	43,000
U-903	46,000
U-904	50,000
U-905	50,000
U-906	54,000
U-908	60,000
U-911	52,000
U-914	44,800
U-915	61,000
U-916	48,000
U-917	58,000
LTS-Series — Gas	
LTS-800	
V-800	39,000
V-804	46,000
V-805	50,000
V-809	41,000
V-810	44,000
LTS-900	
V-900	39,000
V-904	46,000
V-905	50,000
V-906	50,000
V-907	52,000
V-908	54,000
V-909	56,000
V-911	58,000
V-912	60,000
V-913	62,000
V-914	64,000
V-918	41,000
V-919	54,000
V-920	48,000

LTS-Series — Diesel	
LTS-8000	
Y-800	39,000
Y-804	46,000
Y-805	50,000
Y-806	50,000
Y-807	52,000
Y-808	54,000
Y-812	60,000
Y-814	64,000
Y-818	41,000
LTS-9000	
Y-900	43,000
Y-903	50,000
Y-904	50,000
Y-905	52,000
Y-906	54,000
Y-907	56,000
Y-909	58,000
Y-910	60,000
Y-911	62,000
Y-918	70,000
Y-919	48,000

SHORT CONVENTIONAL 'N' SERIES CAB

N-Series — Gas	
N-600	
N-604	16,000
N-605	19,200
N-610	21,000
N-611	22,000
N-612	23,000
N-615	24,000
N-618	17,900
N-619	20,200
N-620	22,000
N-621	22,000

N-700 & N-750	
N-700	22,000
N-702	23,000
N-703	24,000
N-704	25,500
N-709	19,200
N-710	21,000
N-711	22,000
N-712	24,000
N-752	23,000
N-753	24,000
N-754	25,500
N-760	27,500
N-762	21,500
N-763	22,000
N-764	22,000
N-765	24,000
N-800	
N-802	24,500
N-803	25,500
N-804	27,500
N-805	29,000
N-806	31,000
N-808	34,000
N-811	31,000
N-812	22,100
N-813	31,800
N-814	22,100
N-815	31,800
N-816	34,000

CY1705-C

MODEL CODES AND GROSS VEHICLE WEIGHT RATINGS

SHORT CONVENTIONAL 'N' SERIES CAB — Cont'd	
N-Series — Gas	
N-900	
N-900	25,500
N-902	27,500
N-905	31,000
N-906	32,000
N-908	34,000
N-909	35,000
N-911	23,100
N-912	31,800
N-Series — Diesel	
N-6000	
R-602	16,000
R-603	19,200
R-610	21,000
R-611	22,000
R-612	23,000
R-615	24,000
R-616	20,200
R-617	22,000
R-618	22,000
N-7000	
R-700	22,000
R-702	23,000
R-703	24,000
R-704	25,500
R-707	27,500
R-709	19,200
R-710	21,000
R-711	22,000
R-712	24,000

NT-Series — Gas — Cont'd	
NT-900	
S-900	39,000
S-902	41,000
S-904	43,000
S-906	46,000
S-907	50,000
S-909	54,000
S-914	44,800
S-915	48,000
S-916	52,000
NT-Series — Diesel	
NT-8000	
W-800	39,000
W-805	46,000
W-806	50,000
W-807	50,000
W-808	54,000
W-812	41,000
W-814	44,800
W-815	55,000
W-816	60,000
W-817	61,000
NT-9000	
W-903	46,000
W-904	50,000
W-906	54,000
W-907	43,000
W-911	44,800
W-912	48,000
W-913	52,000

C-Series — Diesel	
C-6000	
D-602	17,000
D-611	22,000
D-612	23,000
D-615	20,200
D-616	21,200
C-7000	
D-702	25,500
D-705	27,500
D-707	21,200
D-708	23,000
C-8000	
D-802	27,500
D-806	25,100
D-807	32,000
D-808	35,000
CT-Series — Gas	
CT-800	
L-800	43,000
L-802	39,000
L-806	42,000
L-807	46,000
L-808	47,100
L-809	48,000
CT-900	
L-900	39,000
L-913	42,000
L-914	46,000
L-915	47,100
L-916	50,000
L-917	51,100
L-918	54,000
L-919	50,000

N-8000	
R-802	25,500
R-803	27,500
R-805	31,000
R-806	32,000
R-807	34,000
R-808	35,000
R-810	23,100
R-811	31,800
N-9000	
R-902	32,000
R-904	35,000
R-906	28,000
R-907	31,800
NT-Series — Gas	
NT-800 & NT-880	
S-800	37,000
S-802	39,000
S-804	43,000
S-806	46,000
S-807	50,000
S-811	41,000
S-812	44,800
S-880	39,000
S-881	41,000
S-882	43,000
S-883	44,800
S-884	46,000
S-885	41,000

LOW TILT 'C' SERIES CAB	
C-Series — Gas	
C-800	
C-602	17,000
C-611	22,000
C-612	23,000
C-616	20,200
C-617	21,200
C-700	
C-702	25,500
C-706	21,200
C-707	23,000
C-750	
C-752	25,500
C-755	27,500
C-756	23,000
C-800	
C-802	27,500
C-807	25,100
C-900	
C-904	27,500
C-906	31,000
C-907	32,000
C-910	34,000
C-912	36,000
C-913	31,000
C-914	25,100
C-915	39,000

CT-Series — Diesel	
CT-8000	
Q-800	43,000
Q-802	39,000
Q-803	45,000
Q-805	41,000
Q-807	46,000
Q-808	47,100
Q-809	50,000
HIGH TILT 'W' SERIES CAB	
W, WT-Series — Diesel	
W-9000	
Z-903	36,000
Z-904	29,900
Z-905	35,000
Z-906	36,000
Z-907	29,640
WT-9000	
X-905	44,800
X-906	46,000
X-907	46,000
X-908	47,100
X-909	44,600
X-915 •	44,800
X-916 •	46,000
X-917 •	46,000
X-918 •	47,100
X-919 •	44,600

(• DSO)

AXLE RATIO CODES

Econoline Non-Locking

Code	Description	#Capacity	Ratio
01	Ford	2750	3.00
05	Ford	2750	2.75
13	Ford	3750/3600	2.75
14	Ford	3750/3600	3.00
16	Ford	3750/3600	3.50
15	Ford	3750/3600	3.25
22	Dana	5300	3.07
23	Dana	5300	3.31
38	Dana	5300	3.73
24	Dana	5300	4.10
36	Dana	7400	3.73
27	Dana	7400	4.10

Econoline — Locking

Code	Description	#Capacity	Ratio
H2	Ford	3750/3600	3.50
H4	Ford	3750/3600	3.25
C8	Dana	5300	3.73
D7	Dana	7400	4.10

Bronco — F-100 — 350

Code	Description	#Capacity	Ratio
18	Ford	2900	2.50
03	Ford	2900	4.11
12	Ford	2900	3.00
07	Ford	2900	3.25
06	Ford	2900	2.75
B8	Ford Limited Slip	2900	3.50
A3	Ford Limited Slip	2900	4.11
02	Ford	3300	3.00
17	Ford	3300	3.25
08	Ford	3300	3.50
11	Ford	3300	2.75
14	Ford	3750	3.00
15	Ford	3750	3.25
16	Ford	3750	3.50
13	Ford	3750	2.75
19	Ford	3750	4.11
H2	Ltd. Slip	3750	3.50
H9	Ltd. Slip	3750	4.11
H4	Ltd. Slip	3750	3.25
23	Dana 61	5300	3.31
22	Dana 61	5300	3.07
24	Dana 60	5300	4.10
37	Dana 60	5300	3.54
38	Dana 60	5300	3.73
B4	Dana 60 Limited Slip	5300	4.10
C7	Dana 60 Limited Slip	5300	3.54
C8	Dand 60 Limited Slip	5300	3.73
27	Dana 70	7400	4.10
28	Dana 70	7400	4.56
36	Dana 70	7400	3.73
D7	Dana 70 Limited Slip	7400	4.10

F & B 500-600

Code	Description	#Capacity	Ratio
41	Rockwell D-140	13000	5.83
42	Rockwell D-140	13000	6.20
62	Rockwell F-106	15000	6.20
64	Rockwell F-106	15000	6.80
66	Rockwell F-106	15000	7.20
F2	Eaton 15201	15000 2-Speed	5.83/8.12
F3	Eaton 15201	15000 2-Speed	6.33/8.81
52	Rockwell H-170	17500	5.86
53	Rockwell H-170	17500	6.14
54	Rockwell H-170	17500	6.83
55	Rockwell H-170	17500	7.17
E1	Eaton 16244	17500 2-Speed	5.57/7.75
E2	Eaton 16244	17500 2-Speed	6.17/8.58
E3	Eaton 16244	17500 2-Speed	6.50/9.04
FQ	Eaton 17121	18500	6.14
GQ	Eaton 17121	18500	6.50
HQ	Eaton 17121	18500	7.17
EH	Eaton 17221	18500 2-Speed	5.57/7.60
FH	Eaton 17221	18500 2-Speed	6.14/8.38
GH	Eaton 17221	18500 2-Speed	6.50/8.87
HH	Eaton 17221	18500 2-Speed	7.17/9.77

Medium — Parcel — School Bus
F & B 500-600 & Parcel

Code	Description	#Capacity	Ratio
24	Dana 60 Parcel	5200	4.10
25	Dana 60 Parcel	5200	4.56
22	Dana 70 Parcel	7400	4.88
28	Dana 70 Parcel	7400	4.56
42	Rockwell D-140	13000	6.20
41	Rockwell D-140	13000	5.83
62	Rockwell F-106	15000	6.20
64	Rockwell F-106	15000	6.80
66	Rockwell F-106	15000	7.20
F2	Eaton 15201	15000 2-Speed	5.83/8.12
F3	Eaton 15201	15000 2-Speed	6.33/8.81
52	Rockwell H-170	17500	5.86
53	Rockwell H-170	17500	6.14
54	Rockwell H-170	17500	6.83
55	Rockwell H-170	17500	7.17
E1	Eaton 16244	17500 2-Speed	5.57/7.75
E2	Eaton 16244	17500 2-Speed	6.17/8.58
E3	Eaton 16244	17500 2-Speed	6.50/9.04
EH	Eaton 16221	18500 2-Speed	5.57/6.60
FH	Eaton 16221	18500 2-Speed	6.15/8.38
GH	Eaton 16221	18500 2-Speed	6.50/8.87
HH	Eaton 16221	18500 2-Speed	7.17/9.77
FQ	Eaton 17121	15800 2-Speed	6.14
GQ	Eaton 17121	15800 2-Speed	6.50
HQ	Eaton 17121	15800 2-Speed	7.17

Heavy

Code	Description	#Capacity	Ratio
41	Rockwell D-140	13000	5.83
42	Rockwell D-140	13000	6.20
44	Rockwell D-140	13000	6.80
62	Rockwell F-106	15000	6.20
64	Rockwell F-106	15000	6.80
66	Rockwell F-106	15000	7.20
F2	Eaton 15201	15000 2-Speed	5.83/8.12
F3	Eaton 15201	15000 2-Speed	6.33/8.81
52	Rockwell H-170	175000	5.86
53	Rockwell H-170	175000	6.14
54	Rockwell H-170	175000	6.83
55	Rockwell H-170	175000	7.17
E1	Eaton 16244	17500 2-Speed	5.57/7.57
E2	Eaton 16244	17500 2-Speed	6.17/8.58
E3	Eaton 16244	17500 2-Speed	6.50/9.04
FQ	Eaton 17121	18500	6.14
GQ	Eaton 17121	18500	6.50
HQ	Eaton 17121	18500	7.17
EH	Eaton 17221	18500 2-Speed	5.57/7.60
FH	Eaton 17221	18500 2-Speed	6.14/8.38
GH	Eaton 17221	18500 2-Speed	6.50/8.87
HH	Eaton 17221	18500 2-Speed	7.17/9.77
DK	Eaton 18121	22000	6.50
EK	Eaton 18121	22000	7.17
DB	Eaton 18221	22000 2-Speed	5.57/7.60
EB	Eaton 18221	22000 2-Speed	6.14/8.38
FB	Eaton 18221	22000 2-Speed	6.50/8.87
GB	Eaton 18221	22000 2-Speed	7.17/9.77
AG	Eaton 19121	23000	4.11
BG	Eaton 19121	23000	4.33
HG	Eaton 19121	23000	4.56
CG	Eaton 19121	23000	4.88
DG	Eaton 19121	23000	5.43
EG	Eaton 19121	23000	6.17
FG	Eaton 19121	23000	6.67
GG	Eaton 19121	23000	3.70
GP	Eaton 19221	23000 2-Speed	4.11/5.60
CP	Eaton 19221	23000 2-Speed	5.43/7.39
DP	Eaton 19221	23000 2-Speed	6.17/8.40
EP	Eaton 19221	23000 2-Speed	6.67/9.08
AP	Eaton 19221	23000 2-Speed	4.35/5.90
H1	Rockwell R-171	23000	4.11
H2	Rockwell R-171	23000	4.33
H3	Rockwell R-171	23000	4.63
H4	Rockwell R-171	23000	4.88
H5	Rockwell R-171	23000	5.29
H6	Rockwell R-171	23000	5.86
H7	Rockwell R-171	23000	6.14
H9	Rockwell R-171	23000	3.70
1A	Rockwell R-170	23000	4.11
2A	Rockwell R-170	23000	4.33
3A	Rockwell R-170	23000	5.29
4A	Rockwell R-170	23000	6.14
7A	Rockwell R-170	23000	5.86
JA	Rockwell R-170 w/Traction	23000	4.11
KA	Rockwell R-170 w/Traction	23000	4.33
LA	Rockwell R-170 w/Traction	23000	5.29
MA	Rockwell R-170 w/Traction	23000	6.14
EC	Eaton 30-DSC	*32000	6.50
FC	Eaton 30-DSC	*32000	7.17
GC	Eaton 30-DSC	*32000	7.60
JF	Eaton 34-DSC	*34000	4.11
BF	Eaton 34-DSC	*34000	4.33
CF	Eaton 34-DSC	*34000	4.56
DF	Eaton 34-DSC	*34000	4.88
LF	Eaton 34-DSC	*34000	3.70
FF	Eaton 34-DSC	*34000	5.57
GF	Eaton 34-DSE	*34000	6.14
HF	Eaton 34-DSE	*34000	6.50
MF	Eaton 34-DSE	*34000	7.17
KF	Eaton 34-DSE	*34000	7.60
DN	Eaton 34-DPC	*34000	6.21
FN	Eaton 34-DPC	*34000	7.60
FW	Eaton 34-DTE	*34000	6.14/8.38
GW	Eaton 34-DTE	*34000	6.50/8.87
HW	Eaton 34-DTE	*34000	7.17/9.77
B1	Rockwell Slhd. (Hendrickson)	*34000	4.11
B2	Rockwell Slhd. (Hendrickson)	*34000	4.44
B3	Rockwell Slhd. (Hendrickson)	*34000	4.63
B4	Rockwell Slhd. (Hendrickson)	*34000	4.88
B6	Rockwell Slhd. (Hendrickson)	*34000	5.83
B7	Rockwell Slhd. (Hendrickson)	*34000	6.17
B8	Rockwell Slhd. (Hendrickson)	*34000	6.83
B9	Rockwell Slhd. (Hendrickson)	*34000	7.80
BB	Rockwell Slhd. (Hendrickson)	*34000	8.60
AJ	Eaton 38-DSC	*38000	4.56
BJ	Eaton 38-DSC	*38000	4.88
CJ	Eaton 38-DSC	*38000	5.57
FJ	Eaton 38-DSC	*38000	4.11
GJ	Eaton 38-DSC	*38000	4.33
HJ	Eaton 38-DSC	*38000	5.29
LJ	Eaton 38-DSC	*38000	3.70
DJ	Eaton 38-DSE	*38000	6.14
EJ	Eaton 38-DSE	*38000	6.50
JJ	Eaton 38-DSE	*38000	7.17
KJ	Eaton 38-DSE	*48000	7.60
AR	Eaton 38-DPC	*38000	5.05
DR	Eaton 38-DPC	*38000	6.22
ER	Eaton 38-DPC	*38000	6.65
FR	Eaton 38-DPC	*38000	7.60
D1	Rockwell Sqhd. (Hendrickson)	*38000	4.11
D2	Rockwell Sqhd. (Hendrickson)	*38000	4.44
D3	Rockwell Sqhd. (Hendrickson)	*38000	4.63
D4	Rockwell Sqhd. (Hendrickson)	*38000	5.29
D5	Rockwell Sqhd. (Hendrickson)	*38000	5.83
D6	Rockwell Sqhd. (Hendrickson)	*38000	6.83
D7	Rockwell Sqhd. (Hendrickson)	*38000	7.80
D8	Rockwell Sqhd. (Hendrickson)	*38000	4.88
DA	Rockwell Sqhd. (Hendrickson)	*38000	6.17
AV	Eaton 42-DPB	*44000	7.60
CV	Eaton 42-DPB	*34000	5.05
DV	Eaton 42-DPB	*44000	5.91
AX	Eaton 50-DP	*50000	5.61

* Tandem

CY1707-C1

TRANSMISSION CODES

Code	Description
Econoline — Club Wagon	
C	3 Speed Manual Ford
G	Automatic
Z	Cruisomatic C-6
Bronco — F-100-350	
G	Automatic
C	Ford Manual 3-Speed
F	Warner T-18 4-Speed
A	New Process 435 4-Speed
F & B500-600	
L	Allison AT540
P	Warner T-19 4-Speed
G	C-6 Automatic
4	Clark 280-VO Overdrive 5-Speed
2	Clark 282-V Direct 5-Speed
M	Clark 285-V Direct 5-Speed
6	Clark 390-V Direct 5-Speed
Z	Clark 397-V Direct 5-Speed
A	New Process 435 4-Speed
9	New Process 542 Direct 5-Speed
O	New Process 542-FL Direct 5-Speed
T	New Process 542-FO Overdrive 5-Speed
7	Spicer CM-5052 Direct 5-Speed
D	Spicer CM-5252 Direct 5-Speed
Q	Spicer CM-5052A Direct 5-Speed
S	Spicer CM-6052B Direct 5-Speed
N	Spicer CM-6052C Direct 5-Speed

HEAVY
Parcel & Heavy — Less 9000 'W' Series

Gas	Diesel	
L	—	Allison AT-540 Automatic
8	—	Allison MT-640 Automatic
H	H	Allison MT-650 Automatic
4	—	Clark 280 5-Speed
2	2	Clark 282 5-Speed
M	M	Clark 285 5-Speed
—	6	Clark 390 5-Speed
—	Z	Clark 397 5-Speed
W	—	Ford C-6 Automatic
J	—	Ford FMX Automatic
C	C	Fuller RT-610 10-Speed
P	P	Fuller RT-613 13-Speed
—	X	Fuller T-905A 5-Speed
—	O	Fuller T-905B 5-Speed
—	3	Fuller RT-906 6-Speed
—	V	Fuller RT-910 10-Speed
—	5	Fuller RTO-910 10-Speed O/D
—	Q	Fuller RT-1110 10-Speed
—	8	Fuller RT-9509A 9-Speed
—	T	Fuller RTO-9509B 9-Speed O/D
—	4	Fuller RT-9513 13-Speed
—	J	Fuller RTO-9513 13-Speed O/D
—	E	Fuller RT-12510 10-Speed
—	F	Fuller RTO-12513 10-Speed O/D
A	—	New Process NP-435 4-Speed
9	—	New Process NP-542-FD 5-Speed
O	—	New Process NP-542-FL 5-Speed
T	—	New Process NP-542-FO 5-Speed

AUXILIARY TRANSMISSION
FORD HEAVY AND EXTRA-HEAVY TRUCK — PARCEL

Code	Description
4	Spicer 7231-D
5	Spicer R-8341-2
8	Spicer 7041

MED — SCHOOL BUS — F-B 500-600

Code	Description
4	Clark 280-VO Overdrive 5-Speed
2	Clark 282-V Direct 5-Speed
M	Clark 285-V Direct 5-Speed
9	New Process 542 Direct 5-Speed
O	New Process 542-FL Direct 5-Speed
T	New Process 542-FO Overdrive 5-Speed
7	Spicer CM-5052 Direct 5-Speed
D	Spicer CM-5252 Direct 5-Speed
Q	Spicer CM-6052A Direct 5-Speed
S	Spicer CM-6052B Direct 5-Speed
L	Allison AT-540
P	Warner T-19 4-Speed
G	C-6 Automatic
A	New Process 435 4-Speed
N	Spicer CM-6052C Direct 5-Speed
6	Clark 390-V Direct 5-Speed
Z	Clark 397-V Direct 5-Speed

—	G	Spicer SST-1007-2A 7-Speed
—	A	Spicer SST-1010 10-Speed
7	7	Spicer CM-5052A 5-Speed
D	D	Spicer CM-5252A 5-Speed
Q	—	Spicer 5652 5-Speed
S	—	Spicer 5656-B 5-Speed
B	B	Spicer CM-6052A 5-Speed
K	K	Spicer CM-6052B 5-Speed
R	R	Spicer CM-6052C 5-Speed
N	N	Spicer 6352 5-Speed
U	U	Spicer 6852G 5-Speed
—	Y	Spicer RP-85163-A 16-Speed
9000 'W' Series		
O		Fuller T-905B Direct 5-Speed
3		Fuller RT-906 Direct 6-Speed
5		Fuller RTO-910 Overdrive 10-Speed
V		Fuller RT-910 Direct 10-Speed
Q		Fuller RT-1110 Direct 10-Speed
8		Fuller RT-9509A Direct 9-Speed
4		Fuller RT-9513 Direct 13-Speed
E		Fuller RT-12510 Direct 10-Speed
J		Fuller RTO-9513 Overdrive 13-Speed
F		Fuller RTO-12513 Overdrive 13-Speed
G		Spicer SST-10072A Direct 7-Speed
A		Spicer SST-10 Direct 10-Speed

CY1707-C2

CHARGING SYSTEM

GROUP 31 (10000)

Charging System General Service

PART 31-01

APPLIES TO ALL MODELS

DIAGNOSIS AND TESTING

CHARGING SYSTEM

Certain tests outlined in the following to are illustrated in the schematic and ic he ns nt s involved in the tests can be selected

of changing connections when the illustrated equipment is used. 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.

Troubleshooting or diagnosis is required before actual repairs can be made in the electrical system. Even where it is obvious that replacement of a unit necessary, you must still find out why replacement is necessary. (Refer to the diagnosis charts at the end of this Part), 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. Troubleshooting procedures are given in the diagnosis charts at the end of this part.

CHARGING SYSTEM FUSE LINK

The fuse link used on the Bronco, Econoline, Club Wagons, Parcel Delivery and light trucks, 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 and is the color of the circuit being supplied by the fuse link. Service fuse links are green or black depending on usage. All fuse links have a flag moulded on the wire or on the terminal insulator. Color identification of the flag or connector is Red—18 gage wire, Orange—16 gage wire, or Green—14 gage wire. Fig. 1 shows the fuse link installations.

The fuse link is designed to burn out, thus protecting the alternator and wiring when heavy reverse 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. If it is hard to determine if the link is burned out, perform a continuity test.

Refer to Part 34-31 for testing procedures for fuse links used in the charging system.

ON VEHICLE TESTS

Before performing charging system tests on the vehicle, note the complaint such as: slow cranking, battery dead or using an excessive amount of water, top of battery wet, ammeter shows charge at all times and/or no charge, alternator warning lamp does not come on and/or never goes out. This information will aid in isolating the part of the system causing the symptom.

Visual Inspection

1. If the vehicle is equipped with a fuse link, check the fuse link located between the starter solenoid and the alternator. Replace the fuse link if burned.
2. Check the battery posts and battery cable terminals for clean and tight connections. Remove the battery cables (if corroded), clean and install them securely. The battery must be

BATTERY DRAIN TEST

Connect a test light in series with the battery cable (+) and positive (+) terminal of battery. With all switches OFF, the test light should not glow. If the light glows, pull all the fuses, one at a time, and check each circuit. Repair shorted harness wiring or replace components as required.

ALTERNATOR INDICATOR LIGHT TEST

Normal Charge Indicator

With Ignition switch off . . . Alternator lamp is off.

With Ignition switch on (engine not running) . . . Alternator lamp is on.

With Ignition switch on (engine running) . . . Alternator lamp is off.

1. If the charge indicator lamp does not come on with the ignition key in the ON position and the engine not running, check the I wiring circuit for an open circuit or burned out charge indicator lamp (ignition switch to regulator I terminal).
2. If the charge indicator light does not come on, disconnect the wiring plug connector at the regulator and connect a jumper wire from the I terminal of the regulator wiring plug to the negative battery post cable clamp.
3. The charge indicator lamp should go on with the ignition key turned to the ON position.
4. If the charge indicator bulb does not go on, check the bulb for continuity and replace (if burned out).
5. If the bulb is not burned out, an open circuit exists between the ignition switch and the regulator.

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

Ammeter Test

Normal Charge Indicator

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

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

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

Refer to the diagnosis charts at the end of this part for isolating alternator charging system problems.

Tests Using a Voltmeter

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

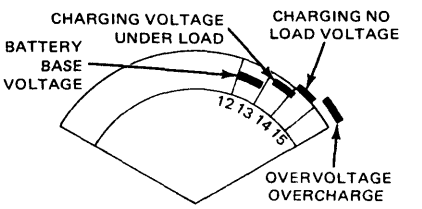


FIG. 1 Voltmeter Test Scale

Voltmeter Test (Fig. 1 and 2)

1. Connect the negative lead of the voltmeter to the negative battery cable clamp (not bolt or nut), and the positive lead of the voltmeter to the positive battery cable clamp (not bolt or nut) (Fig. 2).

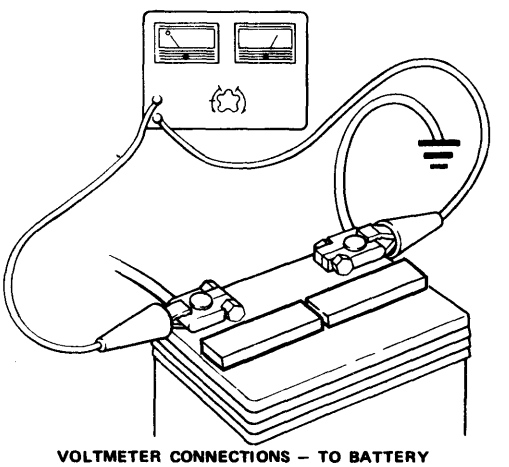


FIG. 2 Voltmeter-To-Battery Connections

2. Record the battery voltage reading shown on the voltmeter scale, (base voltage).
3. Then, start the engine and operate the engine at approximately 1500 rpm. With no other electrical load (foot off brake pedal and car doors closed), the voltmeter reading should increase 1 volt and not exceed 2 volts above the first recorded battery voltage reading. The reading should be taken when the voltmeter needle stops moving, (no load voltage).
4. With the engine running, turn on the heater and/or air conditioner blower motor (high speed) and headlights on (high beam).
5. Increase the engine speed to approximately 2000 rpm. The voltmeter should indicate a minimum of 0.5 volt above the first recorded battery voltage, (load voltage).

If the above tests indicate proper voltage readings, the charging system is operating normally. Proceed to the tests below if one or more of the readings is different than shown above.

Over Voltage Test

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

Low Voltage Test

1. If the voltmeter reading does not increase (one volt), check for the presence of battery voltage at the alternator BAT terminal and the regulator A terminal (Fig. 3). Repair the wiring if no voltage is present at these terminals, and repeat the Voltmeter Test Procedure.

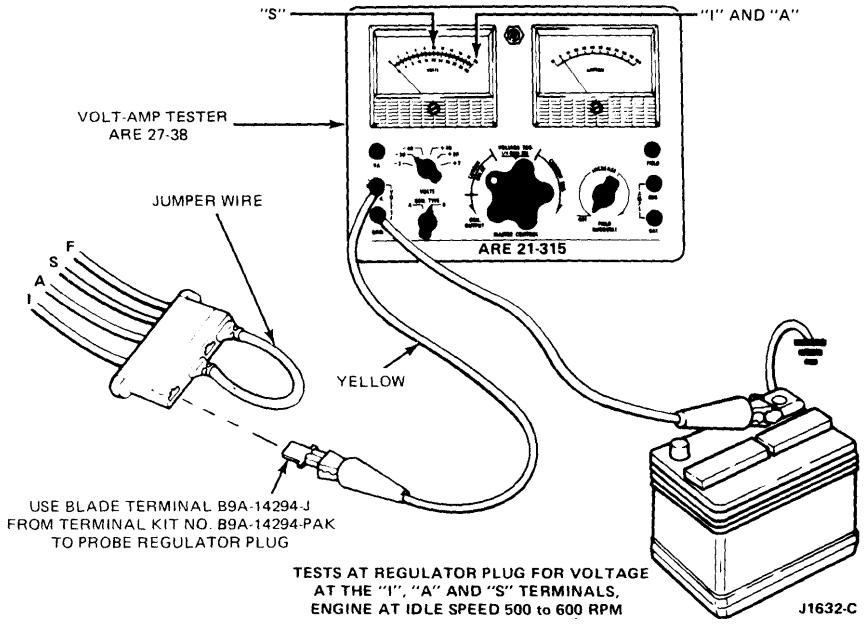


FIG. 3 Regulator Plug Voltage Tests

NOTE: If the field circuit is grounded and the jumper wire is used as a check at the regulator wiring plug from the A to F terminals the wire will spark and heat up when connected. The connector wire inside the regulator will be burned open and an under voltage condition will result.

3. The field circuit should be checked with the regulator wiring plug disconnected and an ohmmeter connected from the F terminal of the regulator wiring plug to the battery ground. The ohmmeter should indicate between 4 and 250 ohms (Fig. 4).

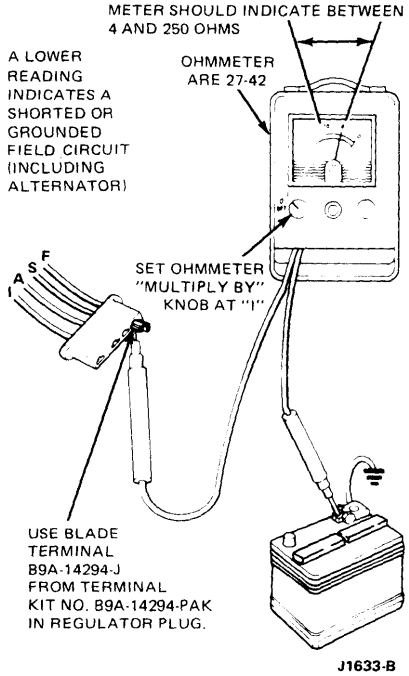


FIG. 4 Field Circuit Test

4. A check for the regulator burned-open wire is made by connecting an ohmmeter from the I to F terminals of the regulator (Fig. 5). The reading should indicate 0 (no resistance). If the reading indicates approximately

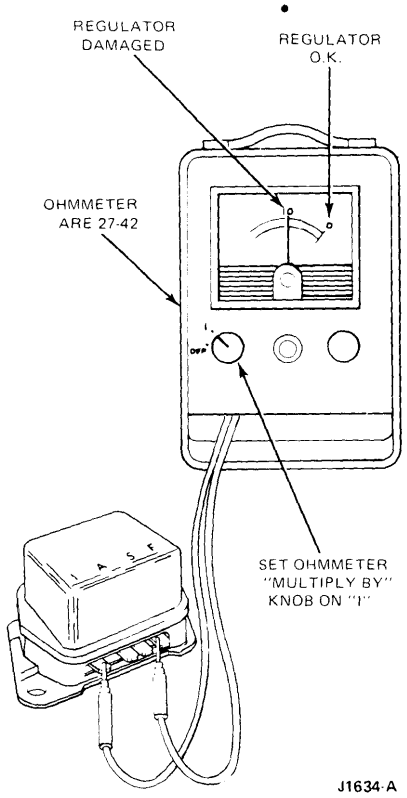


FIG. 5 Regulator Burned-Open Connector Wire Test

10 ohms, the connector wire inside the regulator is open. **The field circuit grounded condition must be found and repaired before installing a new regulator.**

Field Circuit and Alternator Tests

1. If the field circuit is satisfactory, connect the jumper wire from the A to the F terminals on the regulator wiring plug (Fig. 6) and repeat the Voltmeter Test.

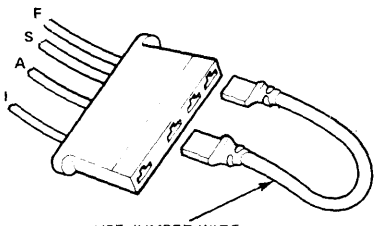


FIG. 6 Regulator Plug Jumper Wire Connections

2. If the Voltmeter Test Procedure still indicates under voltage, remove the jumper wire from the regulator plug and leave the plug disconnected from the regulator. Then, connect a jumper wire to the FLD and BAT terminals on the alternator (Fig. 7) and repeat the Voltmeter Test.
3. If the Voltmeter Test results are now satisfactory, repair the wiring harness from the alternator to the regulator. Then, **remove the jumper wire at the alternator** and connect the regulator wiring plug to the regulator and repeat the Voltmeter Test to be sure the charging system is operating normally.
4. If the Voltmeter Test results still indicate (under voltage), repair or replace the alternator. With the jumper wire removed, connect the wiring to the alternator and regulator and repeat the Voltmeter Test.

Regulator I and S Circuit Tests S—Circuit With Ammeter

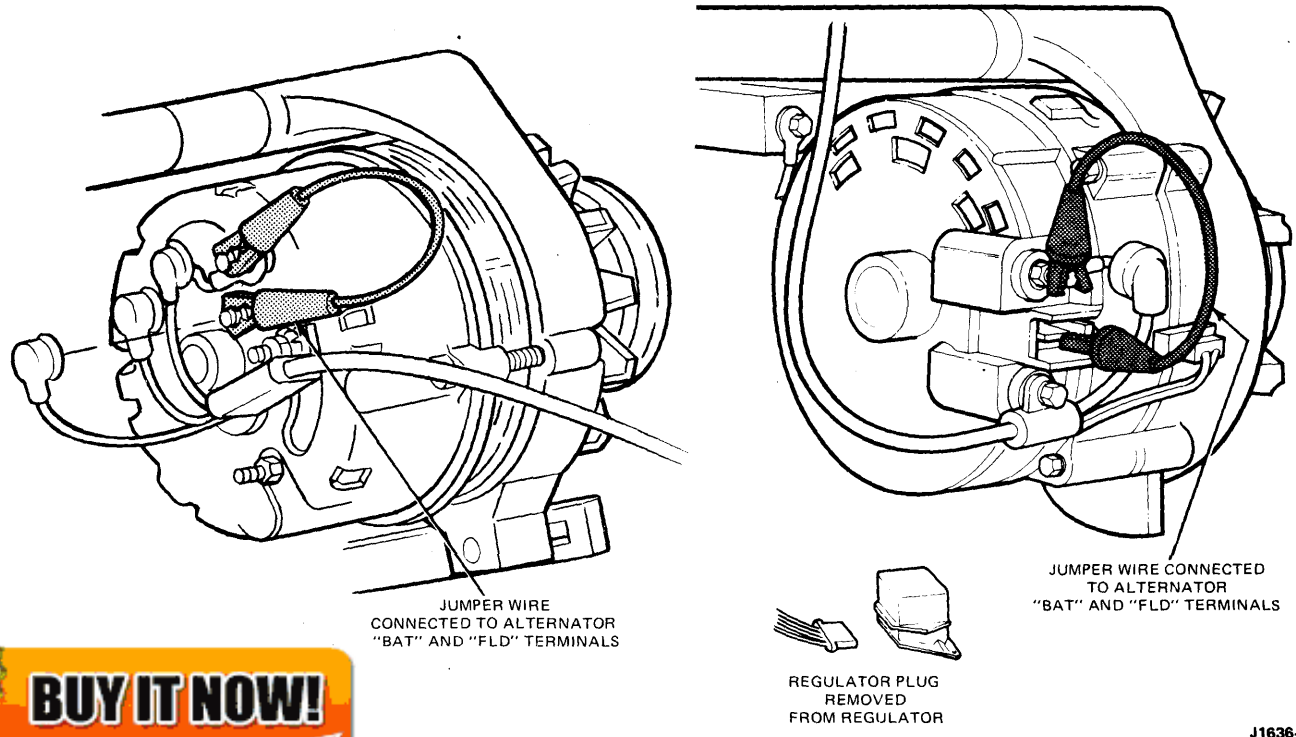
1. Connect the positive lead of the voltmeter to the S terminal of the regulator wiring plug (Fig. 3). Then, turn the ignition switch to the ON position. Do not start the engine.
2. The voltmeter reading should indicate battery voltage.
3. If there is no voltage reading, disconnect the positive voltmeter lead from the S-terminal of the regulator and repair the S wire lead from the ignition switch to the regulator wiring plug.
4. Connect the positive voltmeter lead to the positive battery cable terminal, connect regulator wiring plug to regulator and repeat the Voltmeter Test Procedure.

S and I Circuit—With Indicator Light

1. Disconnect the regulator wiring plug and install a jumper wire between the A and F terminals (Fig. 6).
2. With the engine idling, connect the positive lead of the voltmeter to the S terminal and then to the I terminal of the regulator wiring plug. The voltage of the S circuit should read approximately 1/2 of the I circuit.
3. If no voltage is present, repair the wiring circuit. Reconnect the positive voltmeter lead to the positive battery cable terminal.
4. If the above circuit tests are satisfactory, install a new regulator.
5. Then, remove the jumper wire from the regulator wiring plug and connect the wiring plug to the regulator. Repeat the Voltmeter Test Procedure.

Diode Test—On Vehicle

1. Disconnect the electric choke.
2. Disconnect voltage regulator wiring plug.
3. Connect a jumper between A and F terminal of voltage regulator wiring plug (Fig. 7).
4. Connect voltmeter to battery cable clamps.
5. Start engine—let engine run at idle.
6. Read and record voltmeter reading.
7. Move positive voltmeter lead to S-terminal of the alternator
8. If voltmeter reads 1/2 of battery voltage, diodes are okay.



9. If voltmeter reads approximately 1.5 volts, alternator has shorted **negative** diode, or a grounded stator winding.
10. If voltmeter reads approximately 1.5 volts less than battery voltage, alternator has shorted **positive** diode.
11. If voltmeter reads about 1.0 to 1.5 volts less than 1/2 battery voltage, alternator has an **open positive** diode.
12. If voltmeter reads about 1.0 to 1.5 volts more than 1/2 battery voltage, alternator has an **open negative** diode.
13. Connect the electric choke into the circuit after the test is completed.

BENCH TESTS

Rectifier Short or Grounded and Stator Grounded Test

These tests are performed with an ohmmeter. Set the Multiply By knob at 10, and calibrate the ohmmeter as directed inside the instrument cover.

1. Contact one ohmmeter probe to the alternator BAT terminal (Fig. 8) and the other probe to the STA terminal (rear blade terminal). Then, reverse the ohmmeter probes and repeat the test. A reading of about 60 ohms should be obtained in one direction and no needle movement with the probes reversed. A reading in both directions indicates a bad positive diode, a grounded positive diode plate or a grounded BAT terminal.

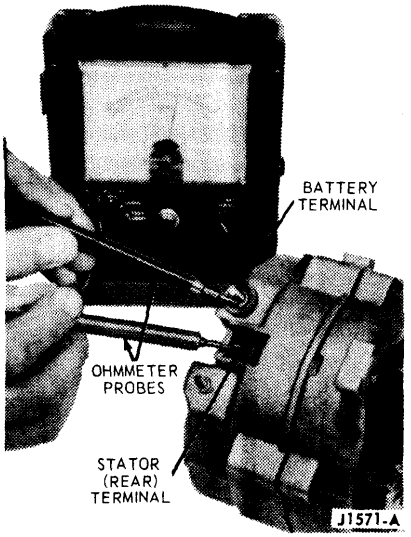


FIG. 8 Rectifier Short or Grounded and Stator Grounded Test

2. Perform the same test using the STA and GND (ground) terminals of the alternator. A reading in both bad tator ninal, , or a lle ns

in the preceeding tests indicates an open STA terminal lead connection inside the alternator.

Field Open or Short Circuit Test

This test is performed with an ohmmeter Set the ohmmeter Multiply By knob at 1 and calibrate the ohmmeter as directed inside the instrument cover.

1. Contact the alternator field terminal with one probe and the ground terminal with the other probe (Fig. 9). Then, spin the alternator pulley. The ohmmeter reading should be between 4 and 250 ohms, and should fluctuate while the pulley is turning.
2. An infinite reading (no meter movement) indicates an open brush lead, worn or stuck brushes, or a bad rotor assembly.
3. An ohmmeter reading less than 4 ohms indicates a grounded brush assembly, a grounded field terminal or a bad rotor.

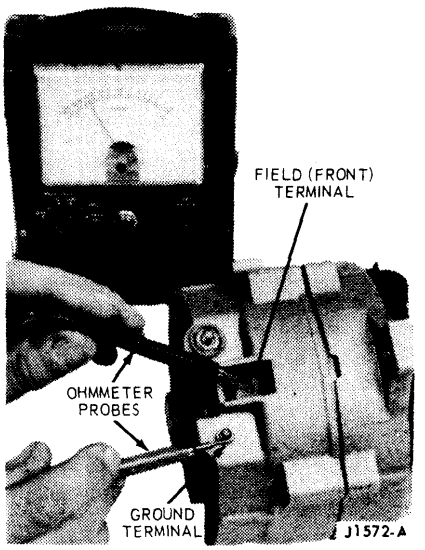


FIG. 9 Field Open or Short Circuit Test

Diode Test

Remove the rectifier assembly from the alternator as outlined in the appropriate Part in Group 31. Set the ohmmeter Multiply By Knob at 10 and calibrate the meter as directed inside the cover.

1. To test one set of diodes, contact one probe to the terminal bolt as shown in Fig. 11 and contact each of the three stator lead terminals with the other probe. Reverse the probes and repeat the test. All diodes should show a low reading of about 60 ohms in one direction, and an infinite reading (no needle movement) with the probes reversed.
2. Repeat the preceeding tests for the other set of diodes except that the other terminal screw is used.

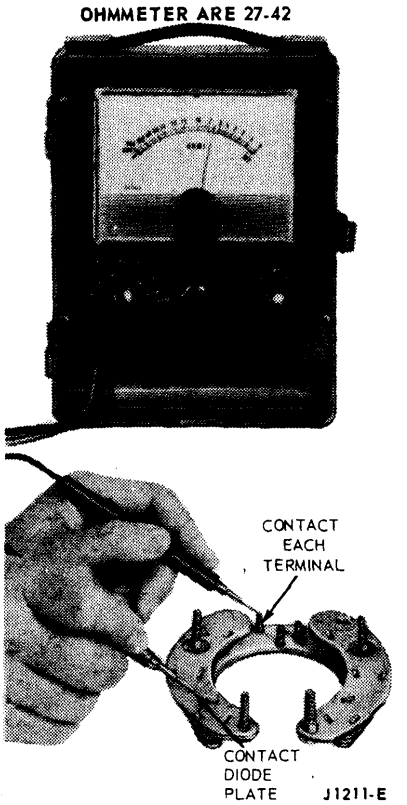


FIG. 10 Diode Test—Rear Terminal Alternator

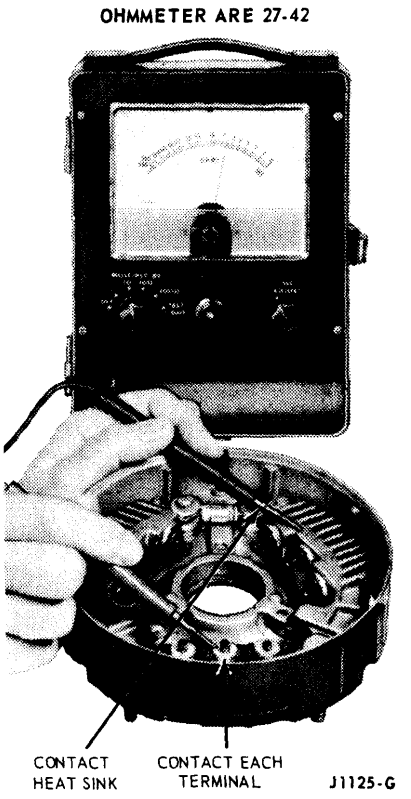


FIG. 11 Diode Test—Leece Neville Alternator

Motorcraft

1973 / 79

Truck Master Parts and Accessories Catalog (100-500 Series)

Source Document
Extract Only
Sections 103 thru 145

FORD MOTOR COMPANY

Dearborn, Michigan

April 1980

MASTER PARTS AND ACCESSORIES CATALOG

(ILLUSTRATIONS)

FORD DIVISION

GENERAL INSTRUCTIONS

This Ford Truck Master Parts Catalog contains parts illustrations for truck series B500, E100/300, F100/500 and P350/500 for model year 1973 for U.S. and Canadian built vehicles.

Use these ILLUSTRATIONS in conjunction with the TEXT in the front portion of the catalog.

For greater convenience this catalog is divided into specific sections such as brakes, front suspension, engine, transmission, etc. For example, FRONT SUSPENSION appears in Section 30, STEERING in Section 35, REAR AXLE in Section 40, etc.

The TEXT portion of the catalog is divided into sections also and like parts are shown under similiar section numbers in both the TEXT and ILLUSTRATION portions of the catalog.

A listing of Ford group numbers and their related section numbers appears in the General Information Section of the TEXT portion of the catalog.

Illustrations contain group numbers only, therefore, it is necessary to refer to the group within the TEXT portion of the catalog listing for complete applicable part number.

The driver's side is the left hand side of the vehicle and determines whether such parts as fenders, lamps, etc. are right or left hand.

Model year application is indicated by showing the first year followed by a diagonal line to indicate continued usage in all subsequent years until the insertion of the last year of usage, which is shown after the diagonal line. If no diagonal line is shown the part is applicable only to the year shown.

Example.

73/	indicates part used 1973 through subsequent models.
73/74	indicates part used 1973 through 1974 model years.
73	indicates part used 1973 model year only.

For Warranty Plate Data, Catalog Model Codes and Body Type Codes refer to the General Information Section of the TEXT portion of the catalog.

SYMBOLS COMMONLY USED IN THIS CATALOG

*	identifies Motorcraft Sales Number.
#	indicates some form of Identification.
★	indicates Not Serviced-must be improvised or procured locally.

MODEL CODES

Truck models are listed throughout this catalog by truck series. A listing of series codes shown on Warranty Plates is included in the General Information Section of the TEXT portion of the catalog. Refer to these codes to determine the series listed in this catalog. Model application is often consolidated as shown below:

Example:

F100/350 means F100 thru F350 or F100, F250 and F350.

and: B-F500 means B500 and F500.

CHASSIS PARTS ILLUSTRATION INDEX

Following is a general index of the major groups shown in the Chassis and Body Parts Illustration Sections. For more specific information refer to the Index appearing in front of the Section number listed below:

MAJOR GROUP	• TABBED DIVIDER TITLE	INDEX SECTION
Accelerator Linkage	Fuel	90
Accessories	Listed in their appropriate groups as identified in this index	
Air Cleaner	Fuel	90
Air Conditioner	Air Cond.-Heaters-Radios-Shock Absorbers	180
Alternator	Generator-Alternator-Starter-Distributor	103
Automatic Transmission	Automatic Transmission	A70
Axle (Front)	Front Axle-Steering	30
Axle (Rear)	Rear Axle	40
Battery	Generator-Alternator-Starter-Distributor	103
Battery Carriers	Generator-Alternator-Starter-Distributor	103
Brake System	Wheel-Brake	10
Bumpers	Bumpers-Mirrors-Speedo. Cable-Tow Hooks-Wipers-Washers	175
Camshaft	Engine	60
Carburetor	Fuel	90
Carrier (Wheel)	Wheel-Brake	10
Clutch	Transmission-Clutch	70
Cooling System	Cooling-Grille	80
Coupling Shaft	Driveshaft-Coupling Shaft	40
Crankcase Vent System	Engine	60
Cylinder Block	Engine	60
Cylinder Head and Valves	Engine	60
Distributor	Generator-Alternator-Starter-Distributor	103
Driveshaft	Driveshaft-Coupling Shaft	40
Electrical	Generator-Alternator-Starter-Distributor	103
Electrical	Lamps-Wiring	130
Emission Control (Thermactor)	Fuel	90
Engine	Engine	60
Engine Supports	Engine	60
Exhaust System	Frames-Muffler-Exhaust	50
Fan	Cooling-Grille	80
Fenders	Fender-Hood	160
Frame	Frame-Muffler-Exhaust	50
Front Axle	Front Axle-Steering	30
Front Springs	Spring-Rear Suspension	50
Front Suspension	Front Axle-Steering	30
Fuel Filter	Fuel	90
Fuel Pump	Fuel	90
Fuel System	Fuel	90
Fuel Tank	Fuel	90
Gearshift Lever	Transmission-Clutch	70
Grille	Cooling-Grille	80

• Applicable to Loose Leaf Catalogs only.

CHASSIS PARTS ILLUSTRATION INDEX cont'd

MAJOR GROUP	• TABBED DIVIDER TITLE	INDEX SECTION
Heater	Air Cond.-Heaters-Radios-Shock Absorber	180
Hood	Fender-Hood	160
Horn	Lamps-Wiring	130
Hubs	Wheel-Brake	10
Ignition System	Generator-Alternator-Starter-Distributor	103
Instrument Cluster	Generator-Alternator-Starter-Distributor	103
Lamps	Lamps-Wiring	130
Lever (Gearshift)	Transmission-Clutch	70
Manifolds	Fuel	90
Mirrors	Bumpers-Mirrors-Speedo. Cable-Tow Hooks-Wipers-Washers	175
Muffler	Frame-Muffler-Exhaust	50
Oil Pump	Engine	60
Piston and Connecting Rod	Engine	60
Pump (Fuel)	Fuel	90
Pump (Oil)	Engine	60
Pump (Water)	Cooling-Grille	80
Radiator	Cooling-Grille	80
Radios	Air Cond.-Heaters-Radios-Shock Absorbers	180
Rear Axle	Rear Axle	40
Rear Springs	Springs-Rear Suspension	50
Shaft (Coupling)	Driveshaft-Coupling Shaft	40
Shock Absorbers	Air Cond.-Heaters-Radios-Shock Absorber	180
Spare Wheel Carrier	Wheel-Brake	10
Speedo. Cable	Bumpers-Mirrors-Speedo. Cable-Tow Hooks-Wipers-Washers	175
Springs	Springs-Rear Suspension	50
Stabilizer (Front)	Front Axle-Steering	30
Starter	Generator-Alternator-Starter-Distributor	103
Steering	Front Axle-Steering	30
Steering Wheel	Front Axle-Steering	30
Suspension (Front)	Front Axle-Steering	30
Suspension (Rear)	Springs-Rear Suspension	50
Tank (Fuel)	Fuel	90
Tow Hooks	Bumpers-Mirrors-Speedo. Cable-Tow Hooks-Wipers-Washers	175
Thermostatic Choke Control	Fuel	90
Transfer Case	Transmission-Clutch	70
Transmission (Automatic)	Automatic Transmission	A70
Transmission (Manual)	Transmission-Clutch	70
Valves, Push Rods and Covers	Engine	60
Voltage Regulator	Generator-Alternator-Starter-Distributor	103
Water Pump	Cooling-Grille	80
Wheels	Wheels-Brakes	10
Windshield Wiper and Washers	Bumpers-Mirrors-Speedo. Cable-Tow Hooks-Wipers-Washers	175
Wiring	Lamps-Wiring	130

• Applicable to Loose Leaf Catalogs only.

NEW ISSUE

1973/79 TRUCK SERIES 100/500

BODY PARTS ILLUSTRATION INDEX

MAJOR GROUP	• TABBED DIVIDER TITLE	INDEX SECTION
American Road Camper Parts	Recreational Vehicles	Refer to text catalog
Back Door	Body Parts	Δ
Door Parts	Body Parts	Δ
Exterior Trim	Sheet Metal-Exterior Mldg.-Interior Trim	Δ
Interior Trim	Sheet Metal Exterior Mldg.-Interior Trim	Δ
Platform and Racks	Sheet Metal-Exterior Mldg.-Interior Trim	Δ
Seats	Body Parts	Δ
Sheet Metal	Sheet Metal-Exterior Mldg.-Interior Trim	Δ
Storage Compartment	Body Parts	Δ
Windows (Back and Side)	Body Parts	Δ
Windshield	Body Parts	Δ

HOW TO USE THIS CATALOG

There are three ways of finding part numbers if the group number is not known.

1. By Part Name
2. By Illustration
3. By Identification

Should an inquiry be received for a radiator grille for a 1978 F100:

BY PART NAME -

A. Refer to the Chassis Parts Alphabetical Index in the Text Catalog, form FPS 8096-A.
B. Refer to the alphabetical nomenclature and find the part name "Grille (radiator)". The group number listed is 8200.
C. Refer to group number 8200 and locate 1973 in the "YEAR" column. Find the series F100/350 in the "MODEL/RESTRICTIONS" column.
D. The part number shown is D5TZ 8200-A.

BY ILLUSTRATION -

A. Refer to the tabbed divider marked "COOLING-GRILLE" in this catalog.
B. Refer to the index immediately behind the divider and find the illustration titles for the F Series.
C. Under the heading "RADIATOR GRILLE and RELATED PARTS" find the "Grille" illustration for the 1973 F100.
D. Refer to the illustration designated (on page 2 of Illustration Section 82) and find the group number for the grille to be 8200.
E. Refer to group number 8200 in the Text Catalog and locate 1973 in the "YEAR" column. Find the series F100/350 in the "MODEL/RESTRICTIONS" column.
F. The part number shown is D5TZ 8200-A.

BY IDENTIFICATION -

Certain parts and most major assemblies are identified with a part number shown on an attached tag or plate or on the part itself. Reference to identification numbers is made throughout the catalog and cross reference charts are included in some sections to provide immediate knowledge of the service part number when the identification number is known. All identification information other than charts will be preceded by the symbol (#).

IMPORTANT - Identification tags and plates must be retained with the part or assembly with which they are originally supplied.

• Applicable to Loose Leaf Catalogs only.
Δ Refer to Index Section in front of Body Illustrations.

1973/79 TRUCK SERIES 100/500

HOW TO ORDER PARTS

When ordering parts, always give the complete part number.
In the event the part number is not known, the following information should be included.

A. Complete description of part.
B. Model year and body type.
C. Dimension, number of teeth, size, etc., if possible rough sketch of part.
D. If applicable to engine, transmission, axle, steering, etc., specify type, such as 302 cubic inch, Automatic Transmission, Power Steering, etc.
E. Advise how shipment is to be made - Freight, Express, Air, Parcel Post.

EXPLANATION OF SYMBOL ★

★Symbol indicates part is not supplied for service due to the following:

a. Part is superseded and replaced as indicated in the description column of the text catalog.
b. Part can be improvised as indicated in the description column of text catalog.
c. Due to its function there would be little or no demand.

NOTE - ALWAYS REFER TO THE DESCRIPTION COLUMN OF THE TEXT FOR POSSIBLE SUBSTITUTION, OR FOR MATERIAL SPECIFICATIONS AND DIMENSIONS WHICH MAY BE HELPFUL IN OBTAINING THE NON-SERVICED PART LOCALLY.

1973/79
TRUCK SERIES 100/500

INDEX

INCLUDED IN THIS INDEX ARE THE FOLLOWING MAJOR GROUPS IN TH

ALTERNATOR
BATTERY CARRIER
DISTRIBUTOR
EMISSION SYSTEM
GOVERNOR ASSY.
IGNITION WIRING
INSTRUMENT CLUSTER
STARTER
VOLTMETER

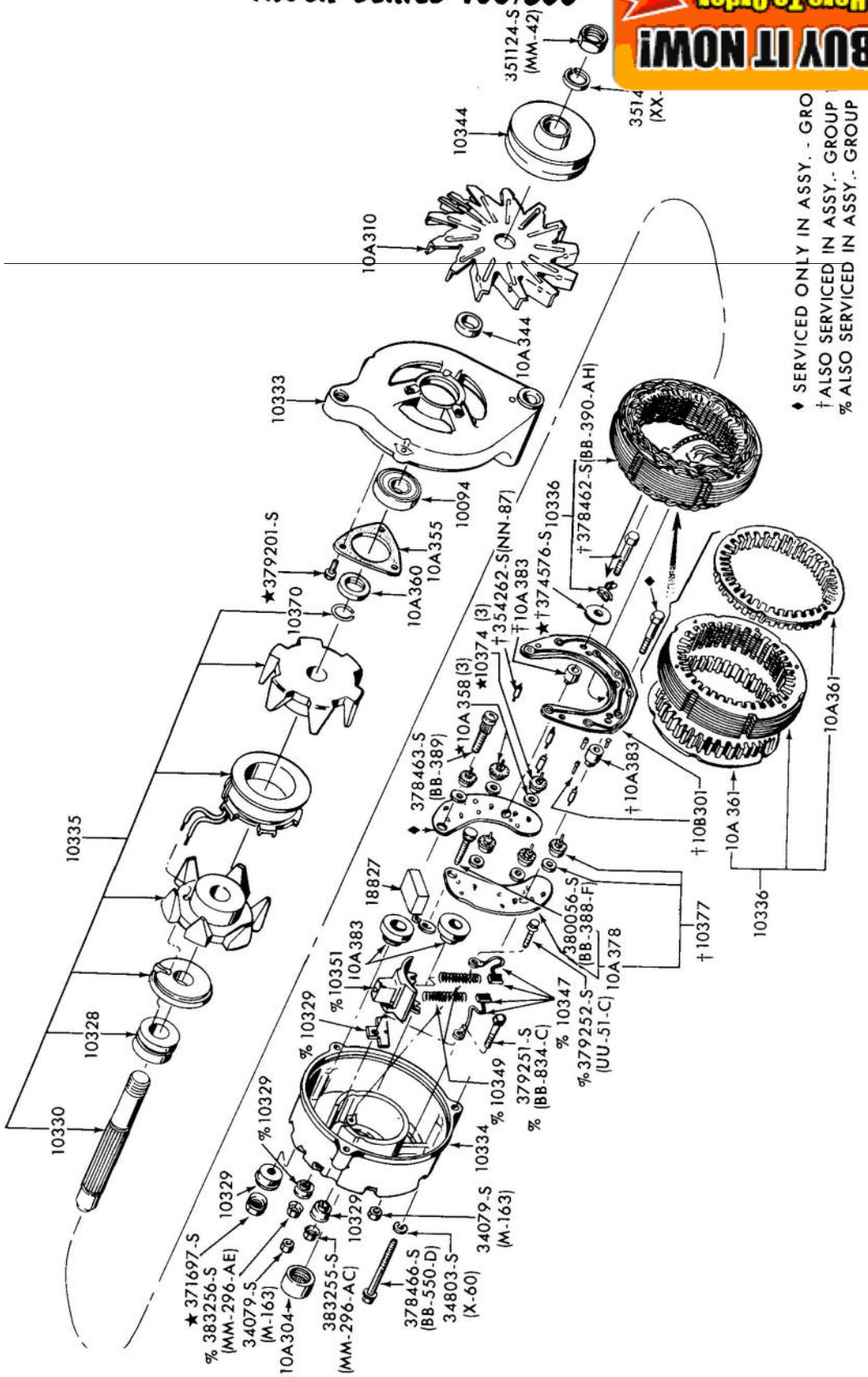
October, 1979

NEW ISSUE

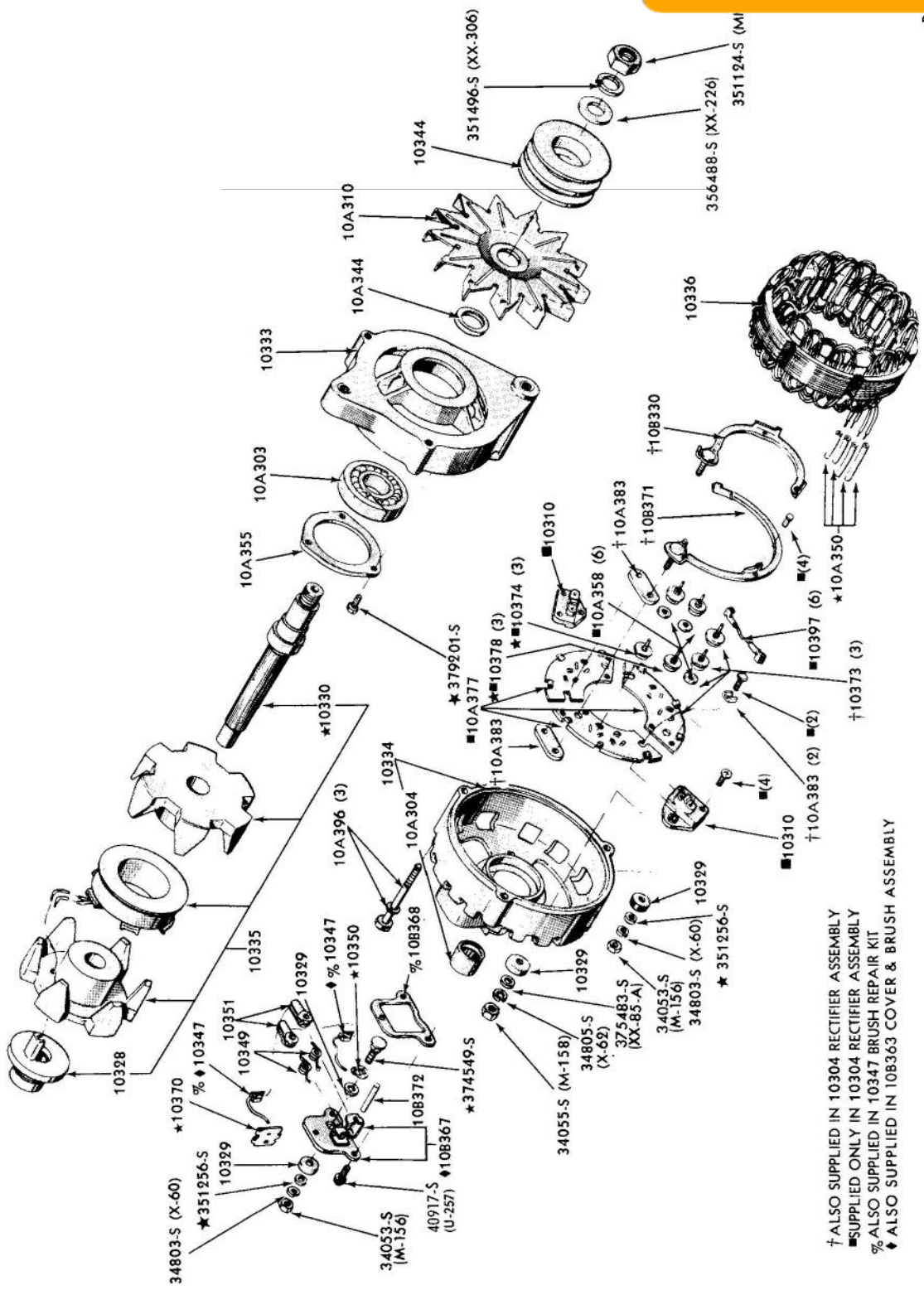
INDEX

YEAR 19__	TITLE			
	IGNITION WIRING			
73/77	Ignition wiring (conventional distributor) system-typical--B-E-F-P100/500-6 cyl. 240 and 300	120.1	2	P-8239
73/	Ignition wiring (conventional distributor system-typical--E-F100/350-6 cyl. 240 and 300	120.1	2	P-8239
73/74	Ignition wiring (conventional distributor) system-typical--E100/300 and F100-8 cyl. 302	120.1	3	P-8240
73/74	Ignition wiring (conventional distributor) system-typical--F100/350-8 cyl. 360 and 390	120.1	4	P-8244
73/74	Ignition wiring (conventional distributor) system-typical--B-F500-8 cyl. 330 M/D	120.1	5	P-8241
74/	Ignition wiring (breakerless distributor) system-typical--B- F500,P350/500-6 cyl.300	120.1	6	P-11780
74/	Ignition wiring (breakerless distributor) system-typical--F100-8 cyl. 302	120.1	7	P-11781
74/75	Ignition wiring (breakerless distributor) system-typical--F100/350-8 cyl. 360 and 390	120.1	8	P-11782
74/	Ignition wiring (breakerless distributor) system-typical--F100/350-8 cyl. 460	120.1	9	P-11783
	GOVERNOR ASSEMBLY			
73/	Governor assy.-velocity type-typical--6 cyl. 300	120.1	1	P-6700
	INSTRUMENT CLUSTERS			
73/74	Instrument cluster and related parts--E100/300	106	1	P-8999
75/	Instrument cluster and related parts--E100/350-w/gauges	106	7	P-11626
75/	Instrument cluster and related parts--E100/350-w/warning lights	106	8	P-11627
73/	Instrument cluster and related parts--F100/350(81)-w/warning lights	106	2	P-10168
73/	Instrument cluster and related parts--F100/350(81)-w/gauges	106	3	P-10167
73/	Instrument cluster and related parts--F350	106	4	P-8967
73/77	Instrument cluster and related parts--B-F500	106	4	P-8967
73/77	Instrument cluster and related parts--F500 (81)	106	5	P-7136
73/77	Instrument cluster and related parts--P350/500	106	6	P-3557
	STARTERS			
	Starter and drive assy.-Ford positive engagement			
73/77	- w/o integral solenoid w/side cable attachment	110	1	P-3191
73/77	- w/integral solenoid w/side cable attachment	110	2	P-5952
77/	- w/o integral solenoid w/rear cable attachment	110	3	P-13469
	VOLTMETER			
73/77	B500	106	11	P-10251

1973/79
TRUCK SERIES 100/500

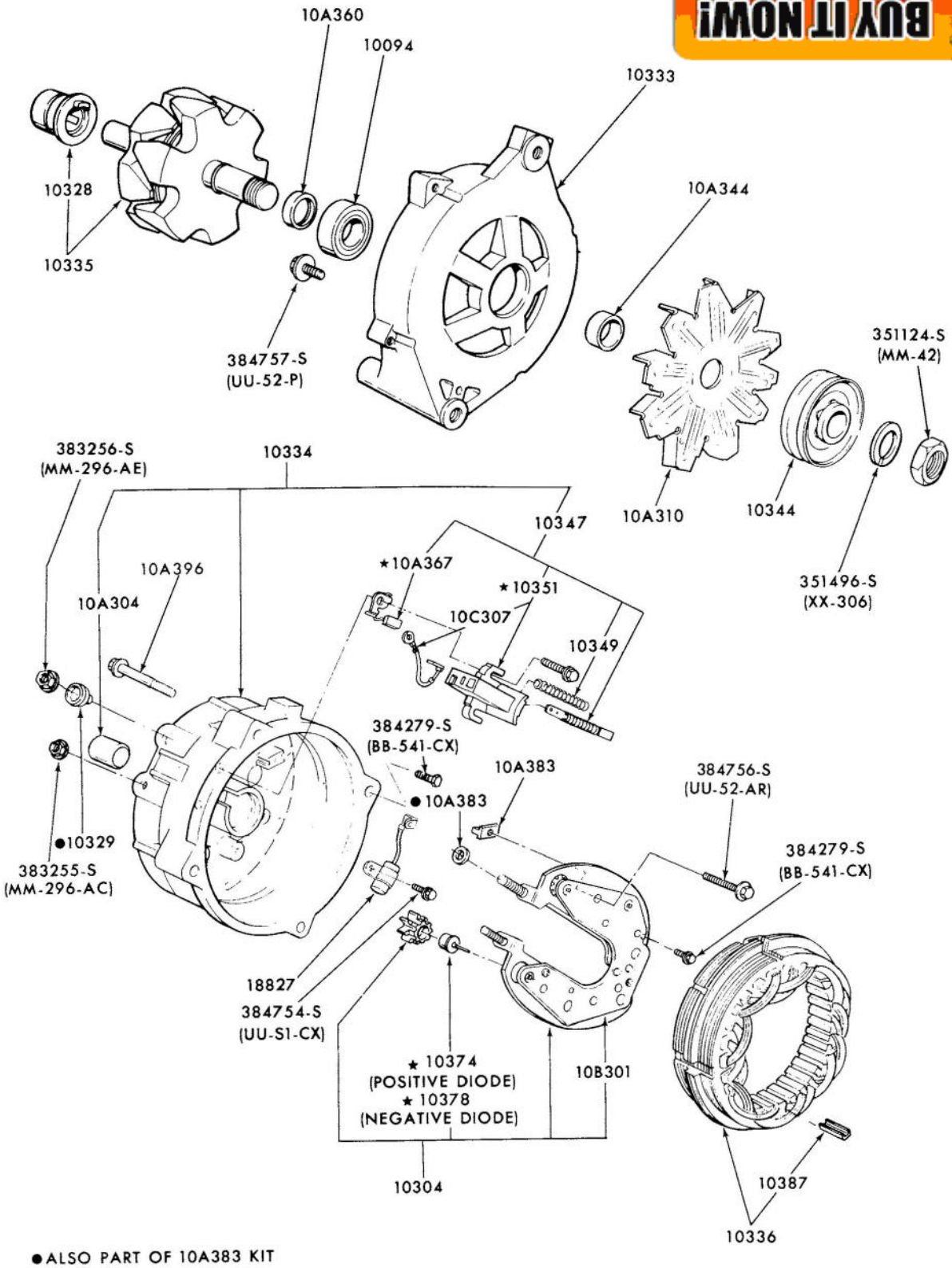


ALTERNATOR-FORD 38, 40, 42, 55, 60 and 61 AMP.
1973/



ALTERNATOR-FORD 70 AMP.
1973/

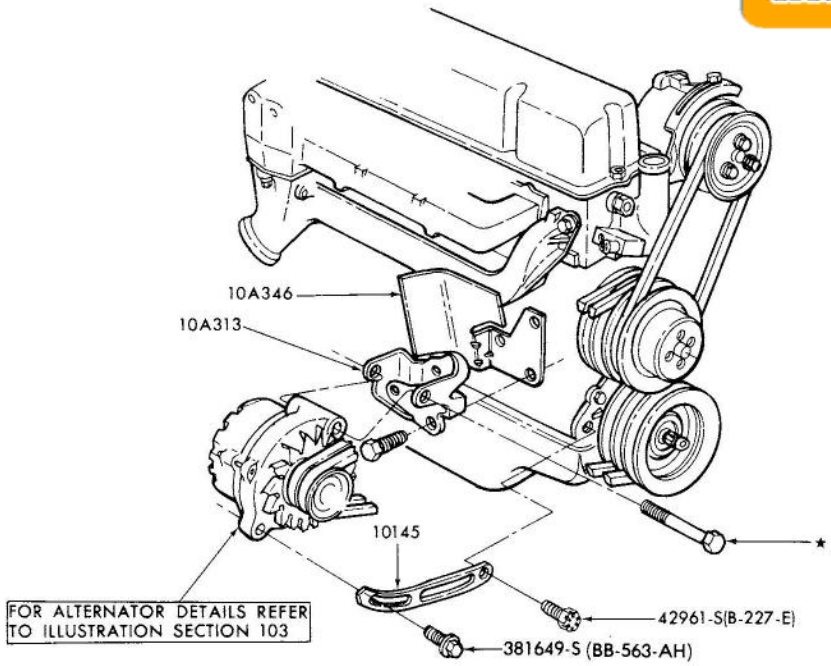
1973/79
TRUCK SERIES 100/500



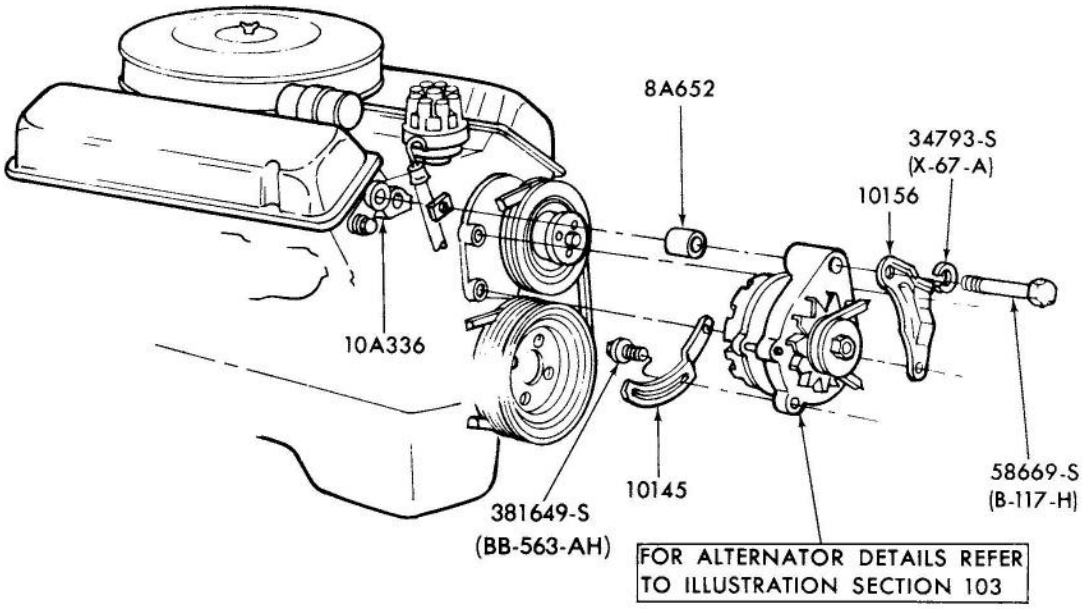
●ALSO PART OF 10A383 KIT

P-10328

ALTERNATOR - MOTORCRAFT 90 and 100 AMP.
1975/

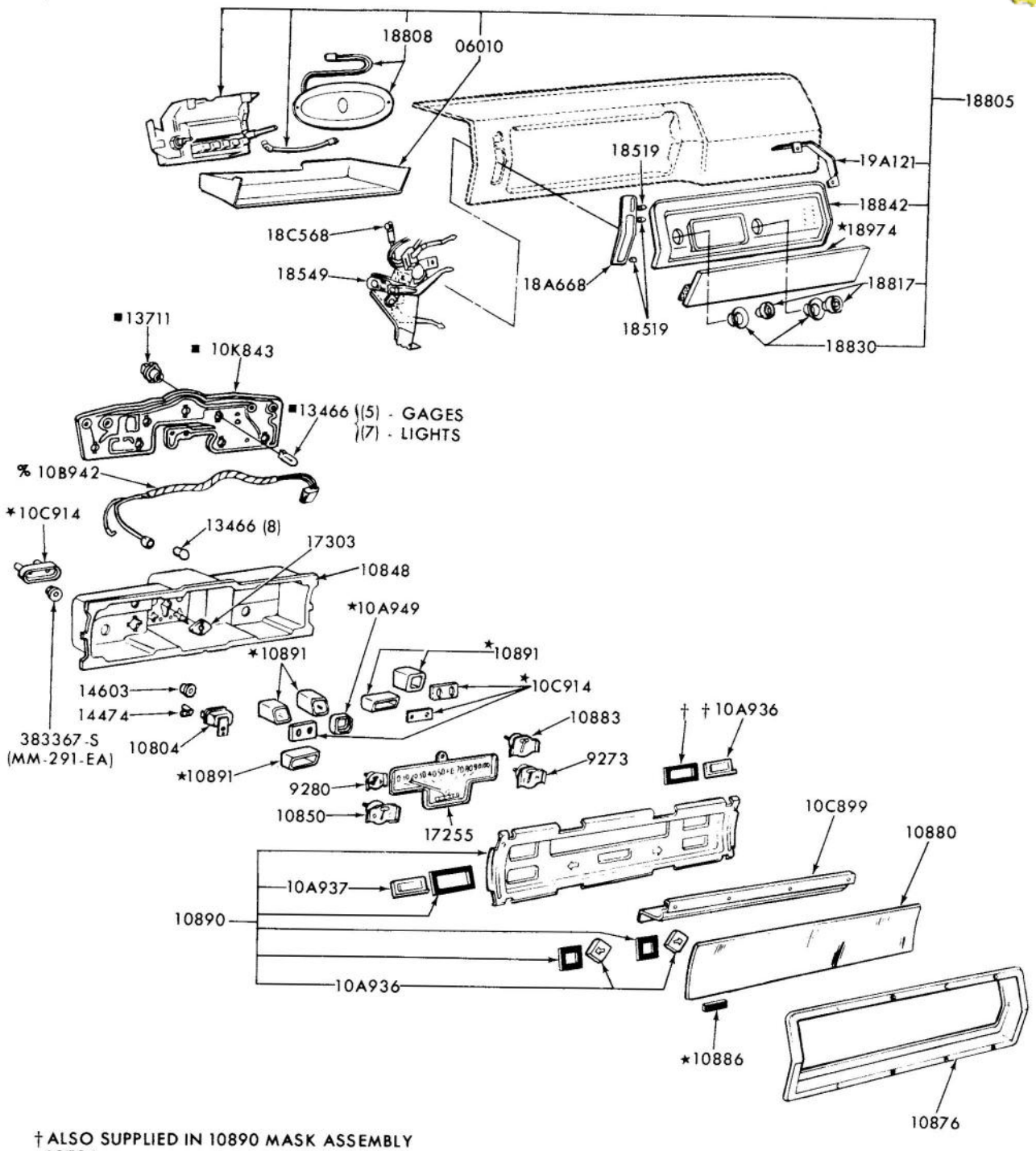


ALTERNATOR MOUNTING BRACKETS
1976/ F100 and E100--6 CYL. 300



ALTERNATOR MOUNTING BRACKETS
1976/ F100--8 CYL. 302

1973/79
TRUCK SERIES 100/500

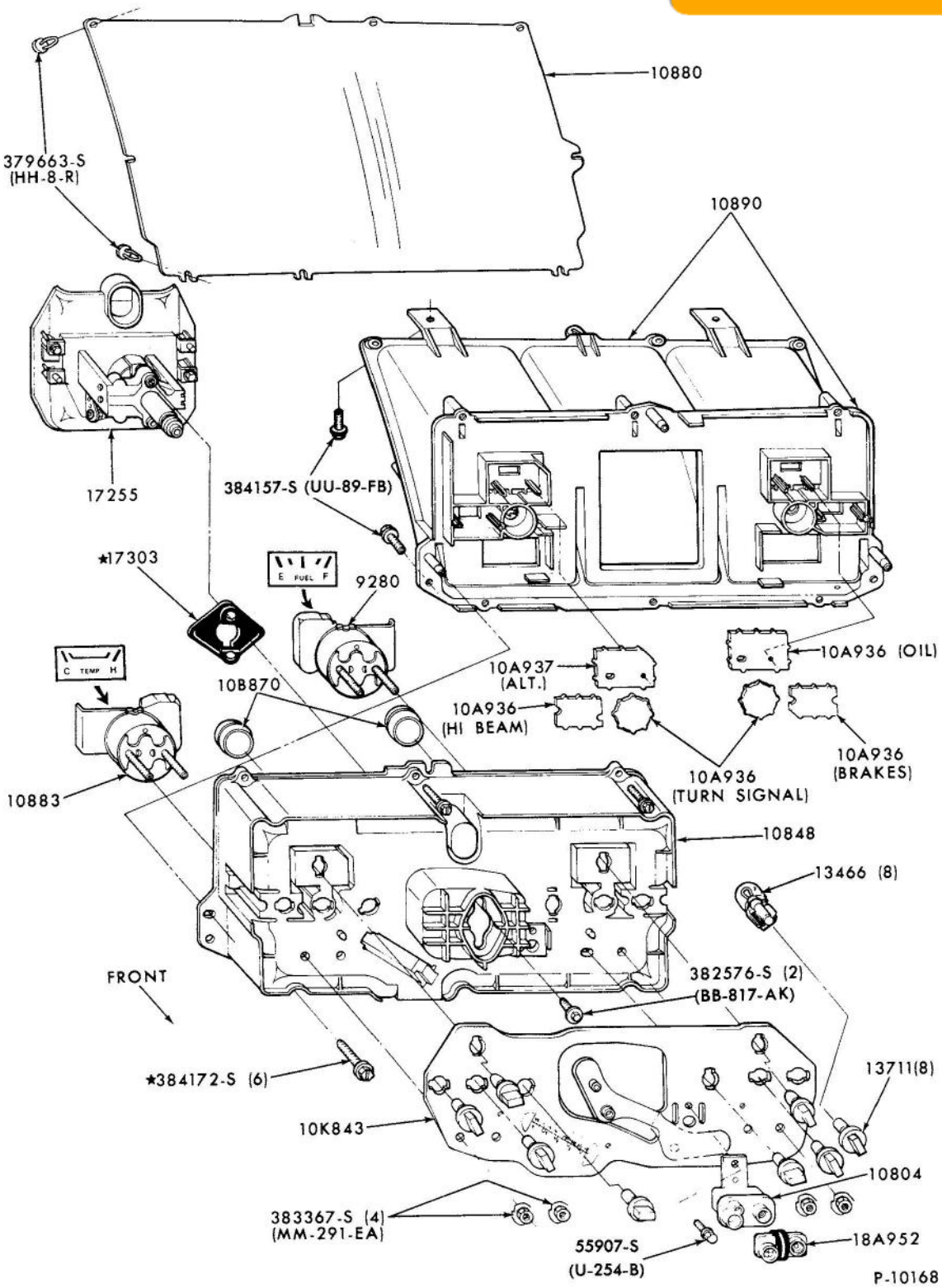


†ALSO SUPPLIED IN 10890 MASK ASSEMBLY
■1970/
%1969

P-8999

INSTRUMENT CLUSTER and RELATED PARTS
1973/74 E100/300

1973/79 TRUCK SERIES 100/500



INSTRUMENT CLUSTER and RELATED PARTS
1973/ F100/350 (81)--w/WARNING LIGHTS

Motorcraft

1973 / 79

Truck Master Parts and Accessories Catalog (600-900 Series)

Source Document
Extract Only
Sections 130 thru 145

FORD MOTOR COMPANY

Dearborn, Michigan

April 1980

MASTER PARTS AND ACCESSORIES ILLUSTRATION CATALOG

FORM FPS 8097-B

FORD PARTS and SERVICE DIVISION

GENERAL INSTRUCTIONS

This Ford Truck Master Parts Catalog contains parts illustrations for truck series B600/750, C-CT600/900, CL-CLT900, F600/750, L-LN-LNT-LT-LTS600/900 and W-WT900 for model years 1973/ for U.S. and Canadian built vehicles.

Use this illustration catalog in conjunction with the text catalog, form FPS 8097-A.

For greater convenience this catalog is divided into specific sections, such as brakes, front suspension, engine, transmission, etc. For example, FRONT SUSPENSION appears in Section 30, STEERING in Section 35, REAR AXLE in Section 40, etc.

A separate catalog which contains the text or descriptive information for the same model year is available as form FPS 8097-A. The text catalog is divided into sections also and like parts are shown under similar section numbers in both the text and illustration catalogs.

A listing of Ford group numbers and their related section numbers appears in the General Information Section of the text catalog, form FPS 8097-A.

Illustrations contain group numbers only, therefore, it is necessary to refer to the group within the text catalog listing for complete applicable part number.

The driver's side is the left hand side of the vehicle and determines whether such parts as fenders, lamps, etc. are right or left hand.

Model year application is indicated by showing the first year followed by a diagonal line to indicate continued usage in all subsequent years until the insertion of the last year of usage, which is shown after the diagonal line. If no diagonal line is shown the part is applicable only to the year shown.

Example.

73/	indicates part used 1973 through subsequent models.
73/74	indicates part used 1973 through 1974 model years.
73	indicates part used 1973 model year only.

For Warranty Plate Data, Catalog Model Codes and Body Type Codes refer to the General Information Section of the text catalog, form FPS 8097-A.

SYMBOLS COMMONLY USED IN THIS CATALOG

*	identifies Motorcraft Sales Number.
#	indicates some form of identification.
★	indicates Not Serviced-must be improvised or procured locally.

MODEL CODES

Truck models are listed throughout this catalog by truck series. A listing of series codes shown on Warranty Plates is included in the General Information Section of the text catalog, Form FPS 8097-A. Refer to these codes to determine the series listed in this catalog. Model application is often consolidated as shown below:

Example:

LN600/900 means LN600 through LN900 or LN600, LN700, LN800 and LN900.

and: L-LN-LNT-LT-LTS900 means L900, LN900, LNT900, LT900 and LTS900.

DIESEL ENGINE MODELS

THE FOLLOWING LIST INDICATES THE MERCHANDISED SERIES, THE YEAR RANGE AND THE CORRESPONDING SERIES SHOWN IN THE CATALOG.

SERIES	YEAR	◊ CATALOGED AS
B7000	73/	B700--diesel
C6000	73/	C600--diesel
C7000	73/	C700--diesel
C8000	73/	C800--diesel
CT8000	73/	CT800--diesel
CL9000	78	CL900--diesel
CLT9000	78	CLT900--diesel
F6000	73/	F600--diesel
F7000	73/	F700--diesel
L8000	73/	L800--diesel
L9000	73/	L900--diesel
LN6000	73/	LN600--diesel
LN7000	73/	LN700--diesel
LN8000	73/	LN800--diesel
LN9000	73/	LN900--diesel
LNT8000	73/	LNT800--diesel
LNT9000	73/	LNT900--diesel
LT8000	73/	LT800--diesel
LT9000	73/	LT900--diesel
LTS8000	73/	LTS800--diesel
LTS9000	73/	LTS900--diesel
W9000	73/77	W900
WT9000	73/77	WT900

◊ The designation "--gas" or "--diesel" will be shown only when necessary to clarify differences in application on similar items for which unique part numbers are required.

For example unique to gas -LN900--gas not available with gas -W900

-LN900--diesel not available with diesel -B750

diesel-LN900

CHASSIS PARTS ILLUSTRATION INDEX

Following is a general index of the major groups shown in the Chassis and Body Parts Illustration Sections. For more specific information refer to the Index appearing in front of the Section number listed below.

MAJOR GROUP	• TABBED DIVIDER TITLE	INDEX SECTION
Accelerator Linkage	Fuel	90
Accessories	Listed in their appropriate groups as identified in this index	
Air Cleaner	Fuel	90
Air Conditioner	Air Conditioner Governors, Heaters, Radios, Shock Absorbers	180
Alternator	Generator-Alternator-Starter-Distributor	103
Automatic Transmission	Automatic Transmission	A70
Axle (Front)	Front Axle-Steering	30
Axle (Rear)	Rear Axle	40
Battery	Generator-Alternator-Starter-Distributor	103
Battery Carriers	Generator-Alternator-Starter-Distributor	103
Brake System	Wheel-Brakes	10
Bumpers	Bumpers, Mirrors, Speedometer and Tachometer Cables, Splash Guards, Tow Hooks, Washers, Wipers	175
Camshaft	Engine	60
Carburetor	Fuel	90
Carrier (Wheel)	Wheel-Brakes	10
Clutch	Transmission-Clutch	70
Cold Start Aid	Fuel	90
Cooling System	Cooling-Grille	80
Coupling Shaft	Driveshaft-Coupling Shaft	40
Crankcase Vent System	Engine	60
Cylinder Block	Engine	60
Cylinder Head and Valves	Engine	60
Distributor	Generator-Alternator-Starter-Distributor	103
Driveshaft	Driveshaft-Coupling Shaft	40
Electrical	Generator-Alternator-Starter-Distributor	103
Electrical	Lamps-Wiring	130
Emission Control (Thermactor)	Engine	60
Engine	Engine	60
Engine Supports	Engine	60
Engine Warning System	Generator-Alternator-Starter-Distributor	103
Exhaust System	Frames-Mufflers-Exhaust	50
Fan	Cooling-Grille	80
Fenders	Fender-Hood	160
Frame	Frame-Muffler-Exhaust	50
Front Axle	Front Axle-Steering	30
Front Springs	Springs-Rear Suspension	50
Front Suspension	Front Axle-Steering	30
Fuel Filter	Fuel	90
Fuel Pump	Fuel	90
Fuel System	Fuel	90
Fuel Tank	Fuel	90
Gearshift Lever	Transmission-Clutch	70
Governors	Air Conditioner Governors, Heaters, Radios, Shock Absorbers	180
Grille	Cooling-Grille	80

CHASSIS PARTS ILLUSTRATION INDEX cont'd.

MAJOR GROUP	• TABBED DIVIDER TITLE	INDEX SECTION
Heater	Air Conditioner Governors, Heaters, Radios, Shock Absorbers	180
Hood	Fender-Hood	160
Horn	Lamps-Wiring	130
Hubs	Wheel-Brake	10
Ignition System	Generator-Alternator-Starter-Distributor	103
Instrument Cluster	Generator-Alternator-Starter-Distributor	103
Lamps	Lamps-Wiring	130
Lever (Gearshift)	Transmission-Clutch	70
Manifolds	Fuel	90
Mirrors	Bumpers, Mirrors, Speedometer and Tachometer Cables, Splash Guards, Tow Hooks, Washers, Wipers	175
Muffler	Frame-Muffler-Exhaust	50
Oil Pump	Engine	60
Piston and Connecting Rod	Engine	60
Pump (Fuel)	Fuel	90
Pump (Oil)	Engine	60
Pump (Water)	Cooling-Grille	80
Radiator	Cooling-Grille	80
Radios	Air Conditioner Governors, Heaters, Radios, Shock Absorbers	180
Rear Axle	Rear Axle	40
Rear Springs	Springs-Rear Suspension	50
Shaft (Coupling)	Driveshaft-Coupling Shaft	40
Shock Absorbers	Air Conditioner Governors, Heaters, Radios, Shock Absorbers	180
Shutters	Cooling-Grille	80
Spare Wheel Carrier	Wheel-Brake	10
Speedometer and Tachometer Cables	Bumpers, Mirrors, Speedometer and Tachometer Cables, Splash Guards, Tow Hooks, Washers, Wipers	175
Splash Guards	Bumpers, Mirrors, Speedometer and Tachometer Cables, Splash Guards, Tow Hooks, Washers, Wipers	175
Springs	Springs-Rear Suspension	50
Stabilizer (Front)	Front Axle-Steering	30
Starter	Generator-Alternator-Starter-Distributor	103
Steering	Front Axle-Steering	30
Suspension (Front)	Front Axle-Steering	30
Suspension (Rear)	Springs-Rear Suspension	50
Tank (Fuel)	Fuel	90
Thermostatic Choke Control	Fuel	90
Tow Hooks	Bumpers, Mirrors, Speedometer and Tachometer Cables, Splash Guards, Tow Hooks, Washers, Wipers	175
Transfer Case	Transmission-Clutch	70
Transmission (Automatic)	Automatic Transmission	A70
Transmission (Manual)	Standard Transmission-Clutch	70
Transmission (Transmatic)	Transmatic Transmission	T70
Valves, Push Rods and Covers	Engine	60
Voltage Regulator	Generator-Alternator-Starter-Distributor	103
Water Pump	Cooling-Grille	80
Wheels	Wheels-Brakes	10
Windshield Washer, Wiper	Bumpers, Mirrors, Speedometer and Tachometer Cables, Splash Guards, Tow Hooks, Washers, Wipers	175
Wiring	Lamps-Wiring	130

only.

BODY PARTS ILLUSTRATION INDEX

MAJOR GROUP	• TABBED DIVIDER TITLE	INDEX SECTION
Door Parts	Body Parts	Δ
Exterior Trim	Sheet Metal-Exterior Mldg.-Interior Trim	Δ
Interior Trim	Sheet Metal-Exterior Mldg.-Interior Trim	Δ
Ladders and Steps	Body Parts	Δ
Platform and Racks	Body Parts	Δ
Seats	Body Parts	Δ
Sheet Metal	Sheet Metal-Exterior Mldg.-Interior Trim	Δ
Window Parts	Body Parts	Δ
Windshield	Body Parts	Δ

HOW TO USE THIS CATALOG

There are three ways of finding part numbers if the group number is not known.

1. By Part Name
2. By Illustration
3. By Identification

Should an inquiry be received for a chrome radiator grille for a 1973 F700:

BY PART NAME -

A. Refer to the Chassis Parts Alphabetical Index in the text catalog, form FPS 8097-A.
B. Refer to the alphabetical nomenclature and find the part name "Grille (radiator)". The group number listed is 8200.
C. Refer to group number 8200 and locate 1975 in the "YEAR" column. Find the series F600/750 in the "MODEL/RESTRICTIONS" column.
D. The part number shown is D5HZ 8200-A.

BY ILLUSTRATION -

A. Refer to the tabbed divider marked "COOLING-GRILLE" in this catalog.
B. Refer to the index immediately behind the divider and find the illustration titles for the F Series.
C. Under the heading "RADIATOR GRILLE and RELATED PARTS" find the "Grille" illustration for the 1975 F700.
D. Refer to the illustration designated (on page 1 of Illustration Section 82) and find the group number for the grille to be 8200.
E. Refer to group number 8200 in the text catalog and locate 1975 in the "YEAR" column. Find the series F600/750 in the "MODEL/RESTRICTIONS" column.
F. The part number shown is D5HZ 8200-A.

BY IDENTIFICATION -

Certain parts and most major assemblies are identified with a part number shown on an attached tag or plate or on the part itself. Reference to identification numbers is made throughout the catalog and cross reference charts are included in some sections to provide immediate knowledge of the service part number when the identification number is known. All identification information other than charts will be preceded by the symbol (#).

IMPORTANT - Identification tags and plates must be retained with the part or assembly with which they are originally supplied.

• Applicable to Loose Leaf Catalogs only.
of Body Illustrations.

HOW TO ORDER PARTS

When ordering parts, always give the complete part number.
In the event the part number is not known, the following information should be included.

A. Complete description of part.
B. Model year and body type.
C. Dimension, number of teeth, size, etc., if possible rough sketch of part.
D. If applicable to engine, transmission, axle, steering, etc., specify type such as 477 cubic inch, Transmatic Transmission, Power Steering, etc.
E. Advise how shipment is to be made - Freight, Express, Air, Parcel Post.

EXPLANATION OF SYMBOL ★

★Symbol indicates part is not supplied for service due to the following:

a. Part is superseded and replaced as indicated in the description column of the text catalog.
b. Part can be improvised as indicated in the description column of text catalog.
c. Due to its function there would be little or no demand.

NOTE - ALWAYS REFER TO THE DESCRIPTION COLUMN OF THE TEXT FOR POSSIBLE SUBSTITUTION, OR FOR MATERIAL SPECIFICATIONS AND DIMENSIONS WHICH MAY BE HELPFUL IN OBTAINING THE NON-SERVICED PART LOCALLY.

INDEX

INCLUDED IN THIS INDEX ARE THE FOLLOWING MAJOR GROUPS IN THE ORDER SHOWN BELOW

ALTERNATOR
ALTERNATOR MOUNTING PARTS
BATTERY CARRIER
DISTRIBUTOR and GOVERNOR
ENGINE WARNING SYSTEM
ENGINE WIRING
IGNITION SYSTEM
INSTRUMENT CLUSTER
STARTER
VOLTMETER

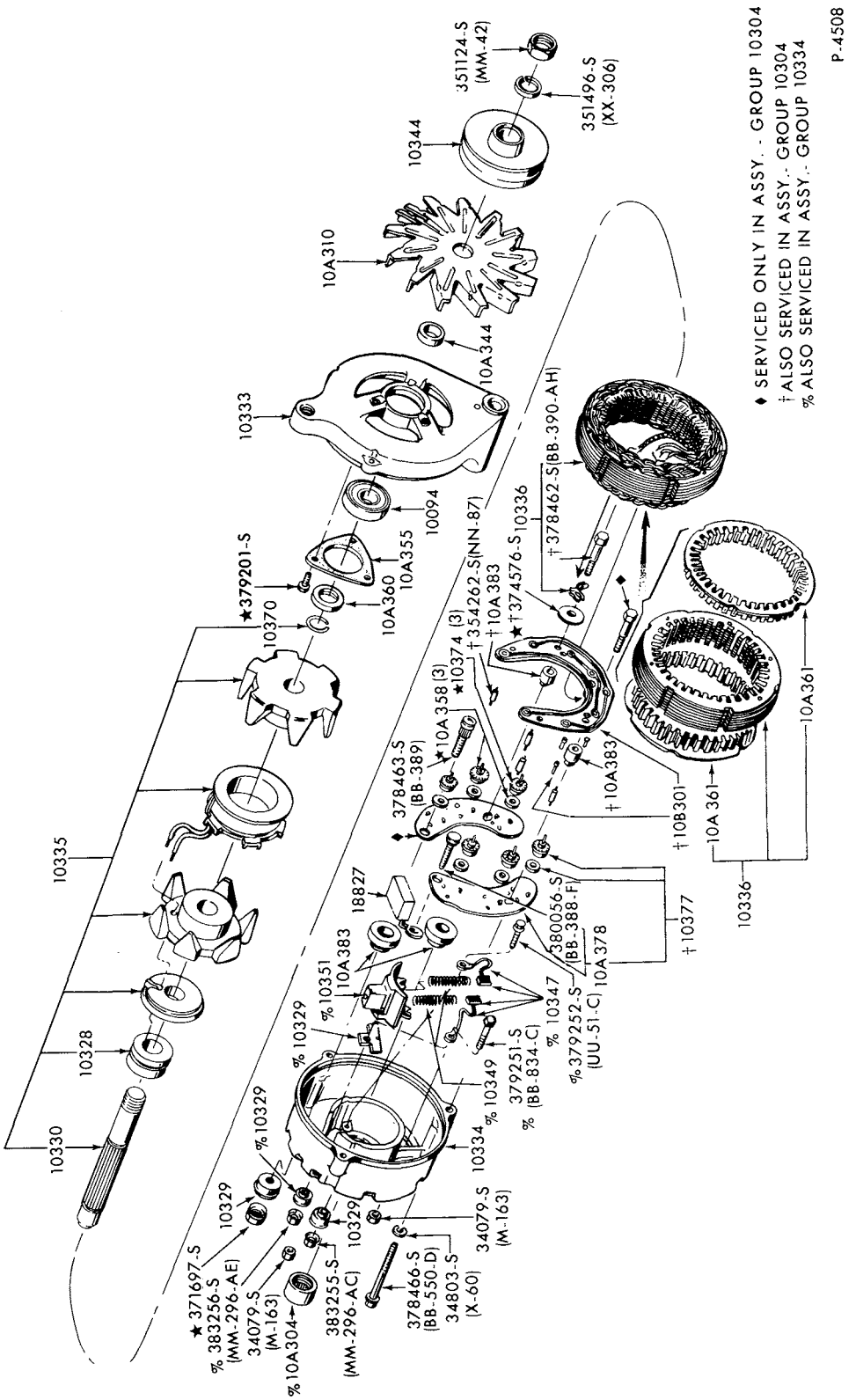
Δ Illustration to follow in subsequent change

NEW ISSUE

INDEX

INDEX

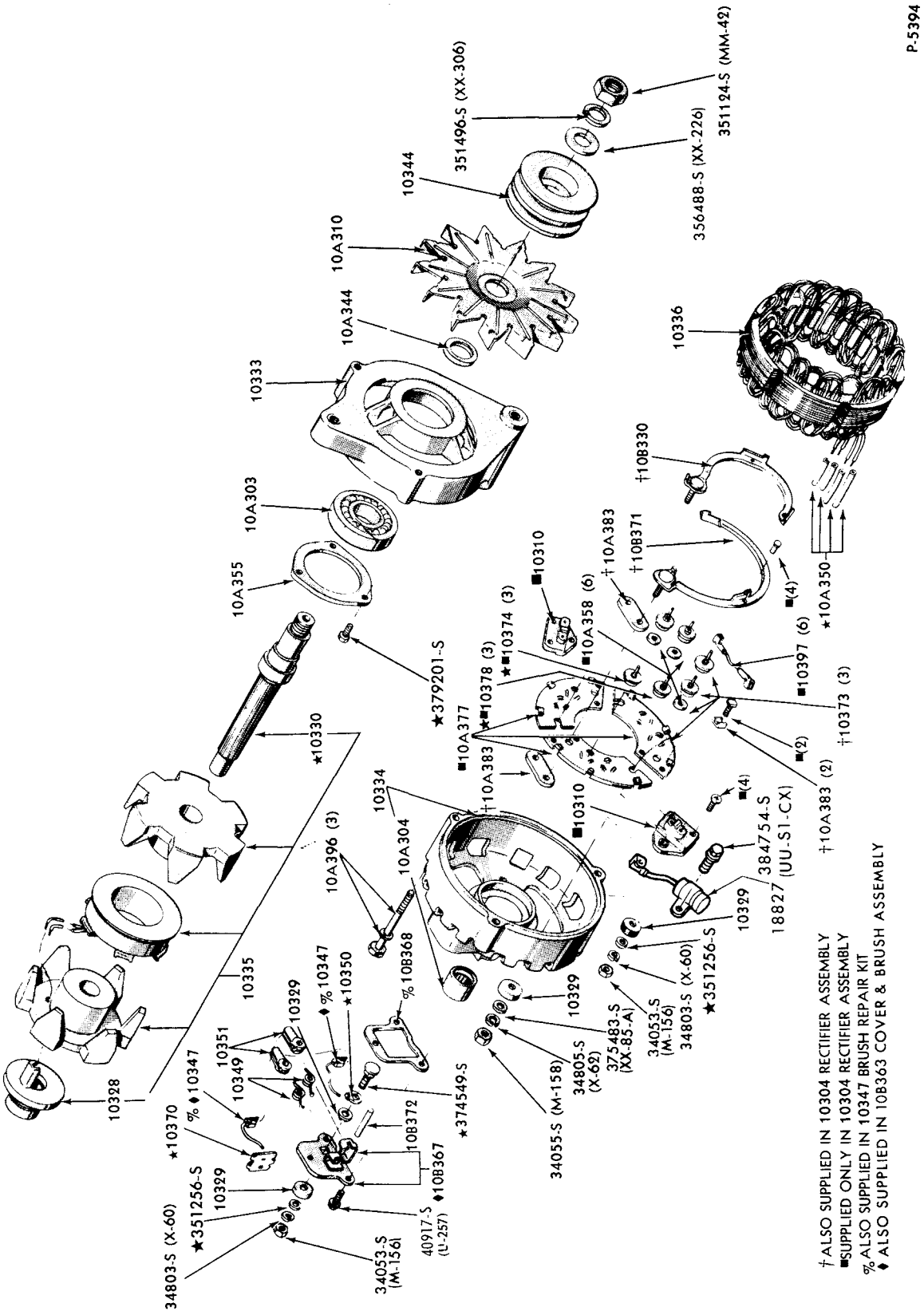
INDEX



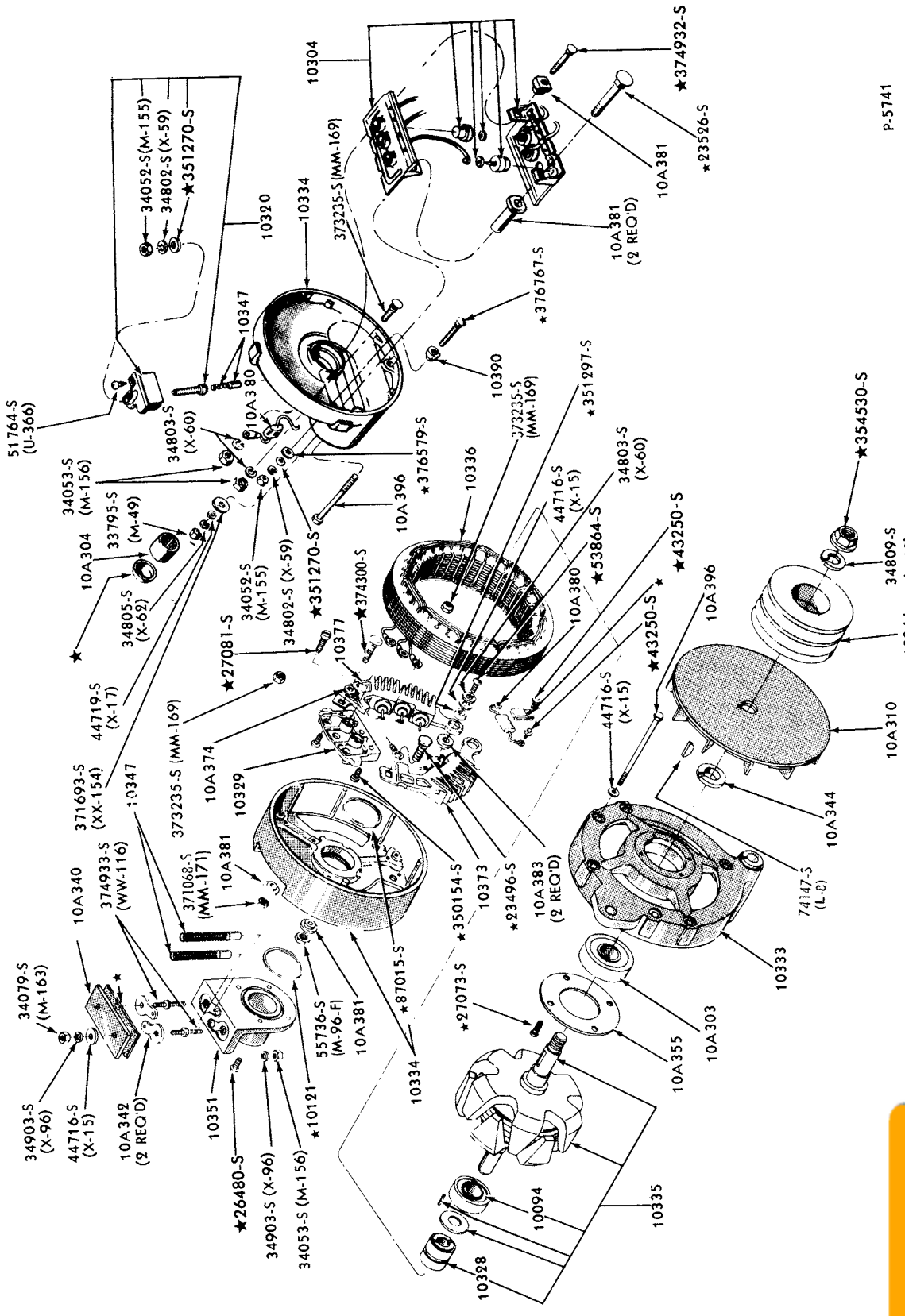
ALTERNATOR-MOTORCRAFT 40, 42, 55, 60 and 61 AMP.
1973/

NEW

1973/79 TRUCK SERIES 600/900

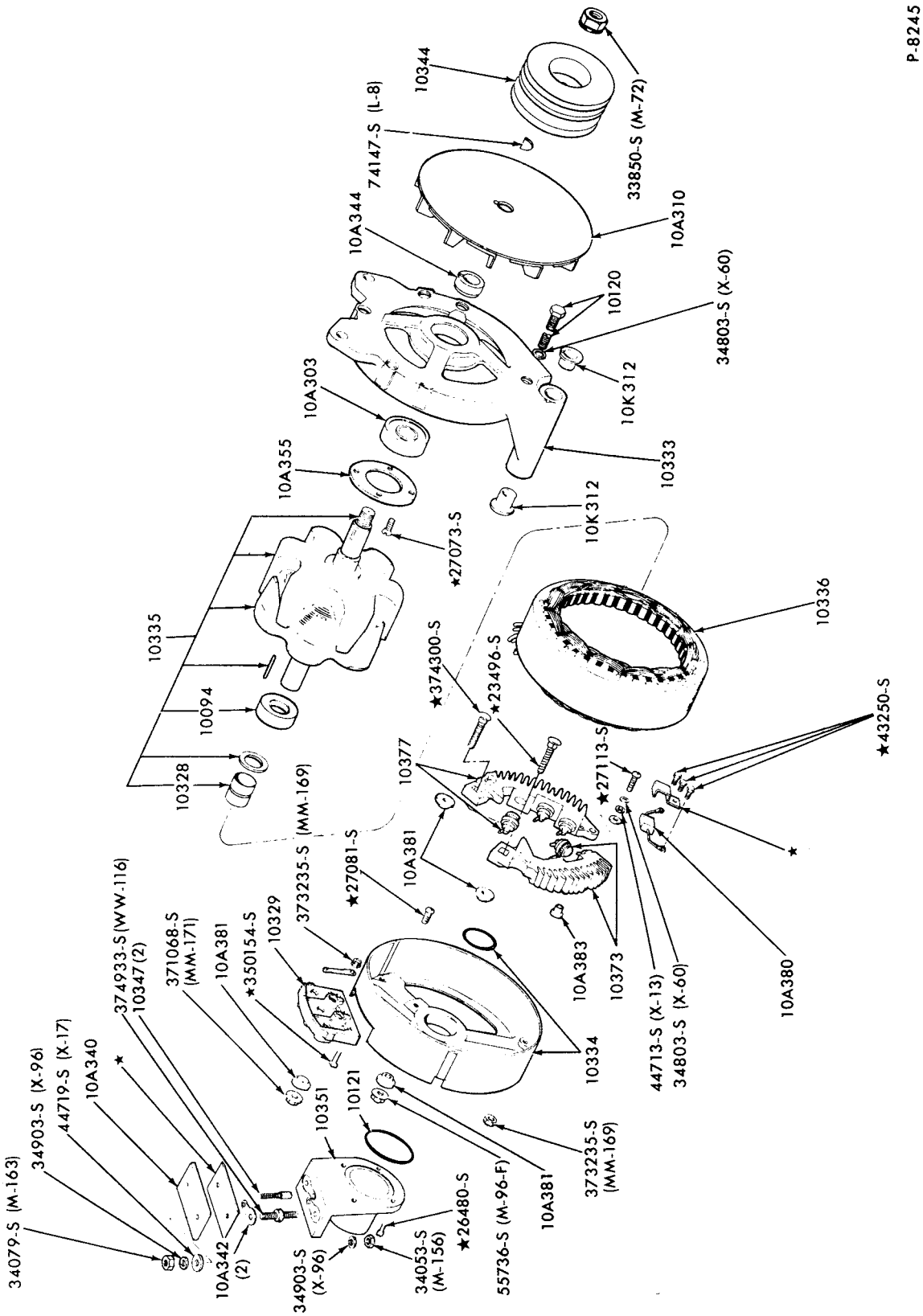


ALTERNATOR-MOTORCRAFT 70 and 90 AMP.
1973/

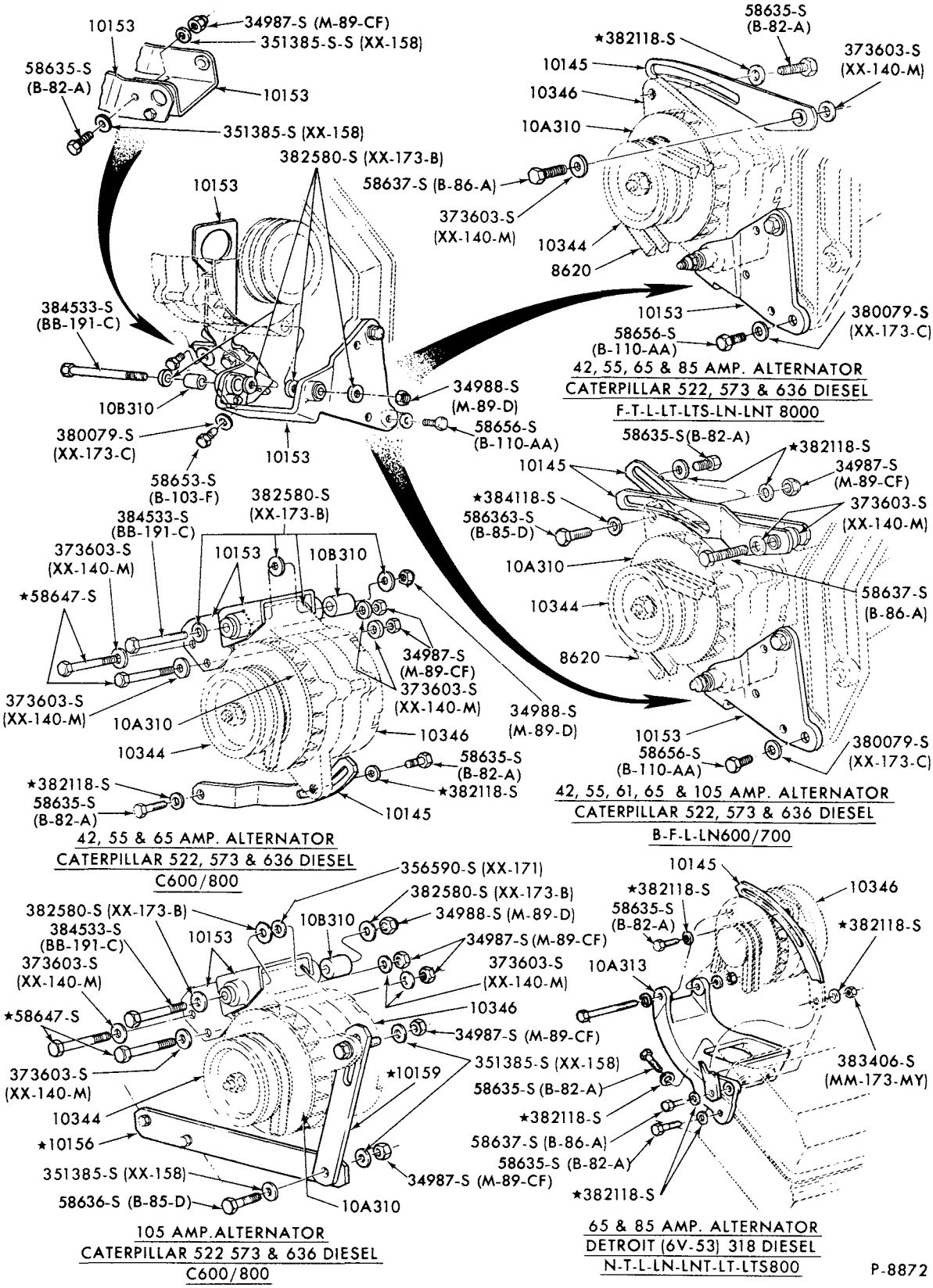


ALTERNATOR-LEECE/NEVILLE 65 and 70 AMP.-TYPICAL
1973/

P-8245

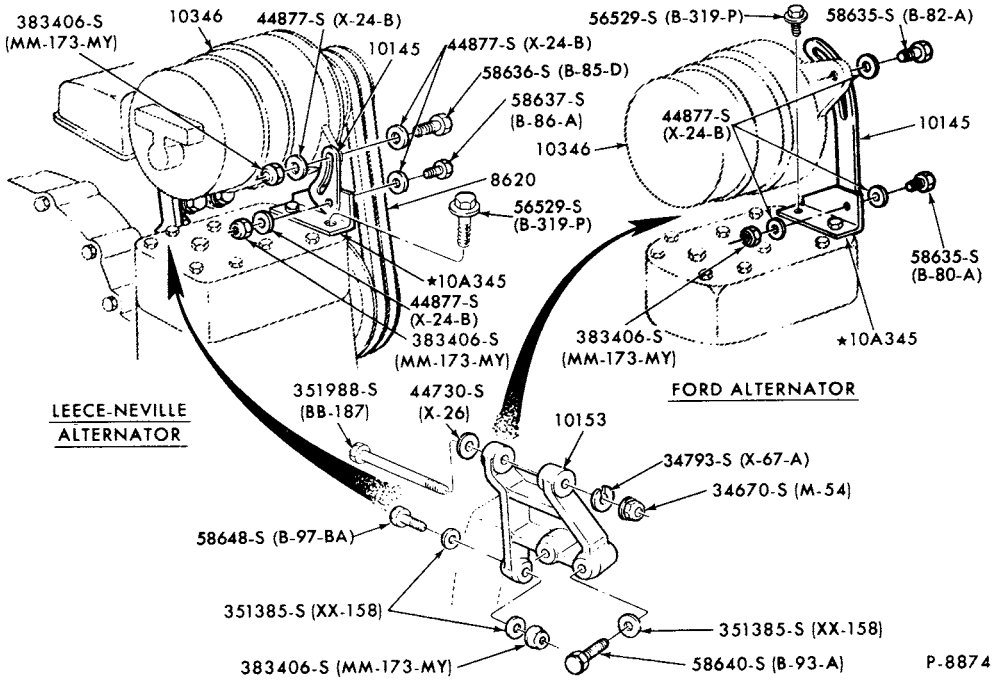


ALTERNATOR-LEECE/NEVILLE 105 AMP.-SMALL FRAME
1973/

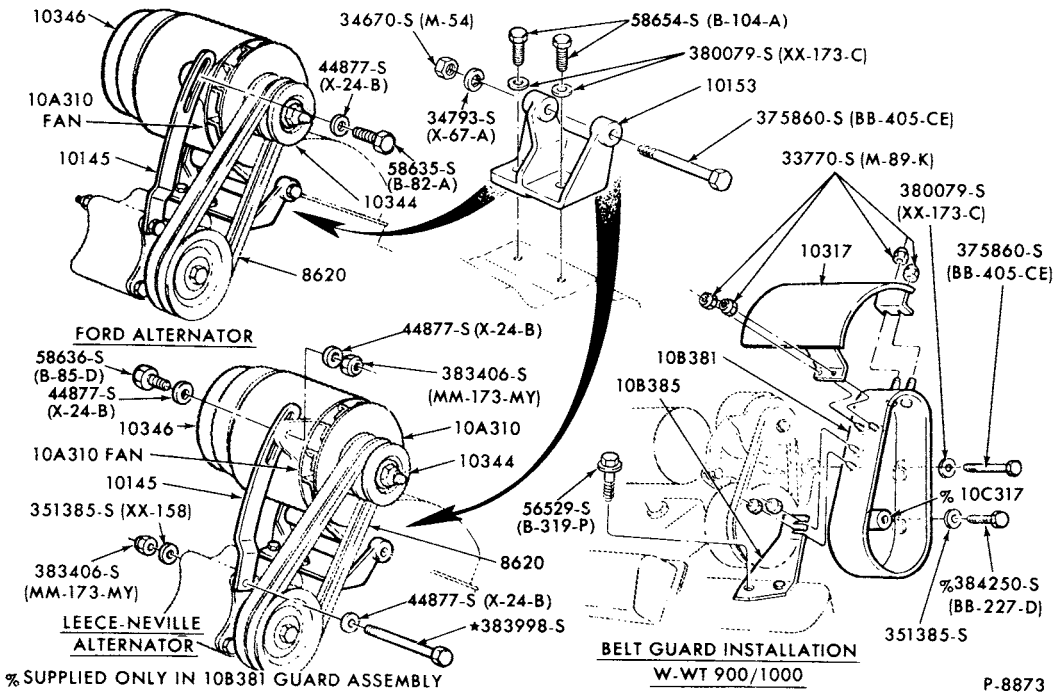


ALTERNATOR MOUNTING PARTS
B-C-F-L-LN600/800--8 CYL. CAT. DIESEL

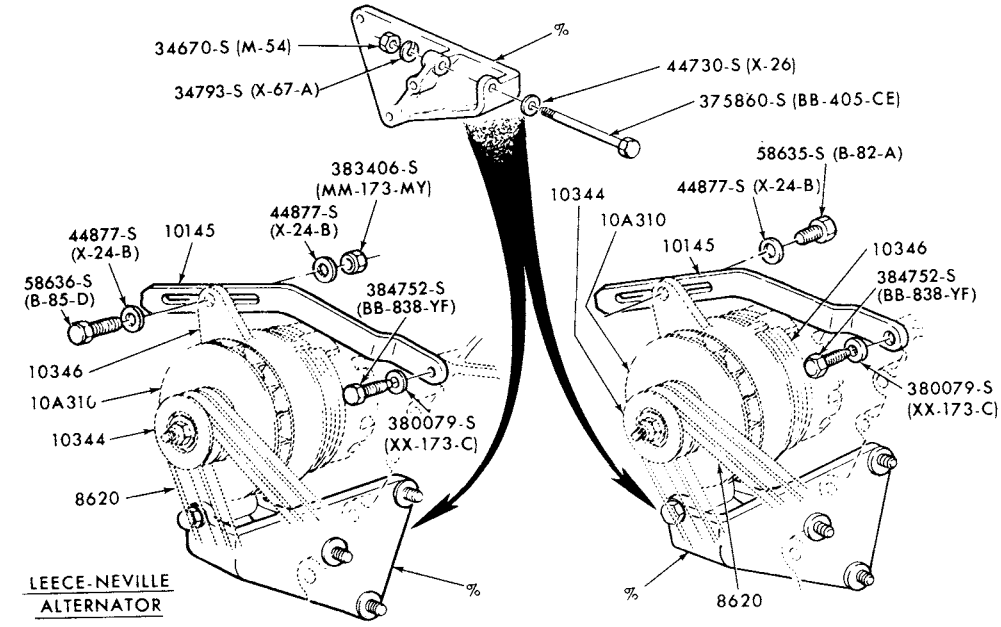
NEW ISSUE



ALTERNATOR MOUNTING PARTS
1973/ L-LN-LNT-LT-W-WT900--6 CYL. 426 DETROIT 6-71 DIESEL



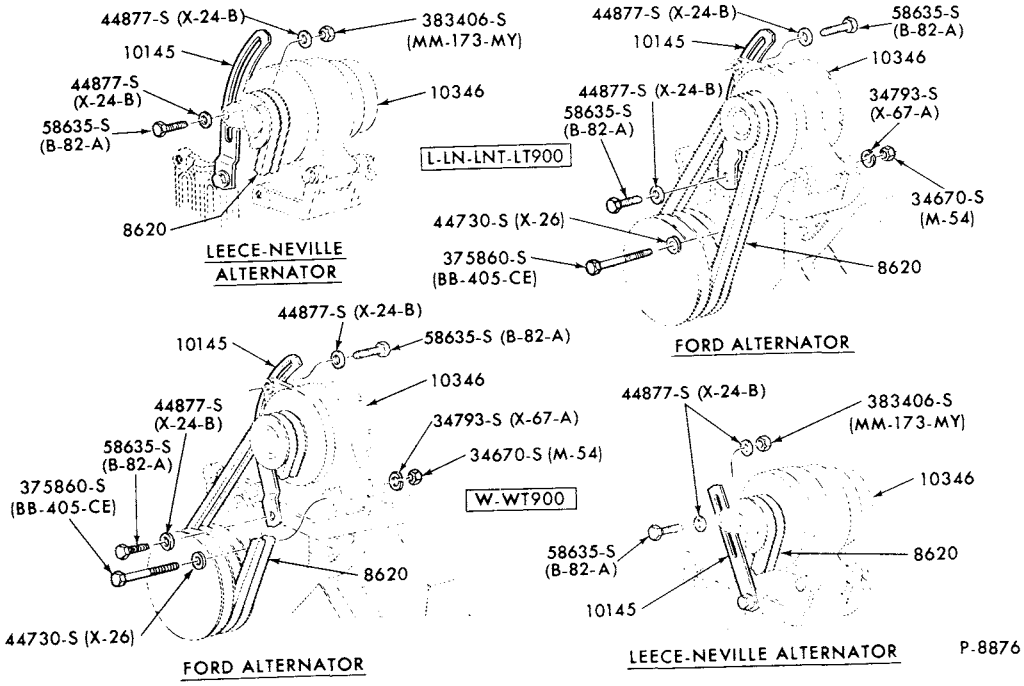
MOUNTING PARTS and BELT GUARD INSTALLATION
T-W-WT900--8 CYL. 568 DETROIT 8V-71 DIESEL



% PROCURE FROM CUMMINS DIESEL SOURCE

P-8875

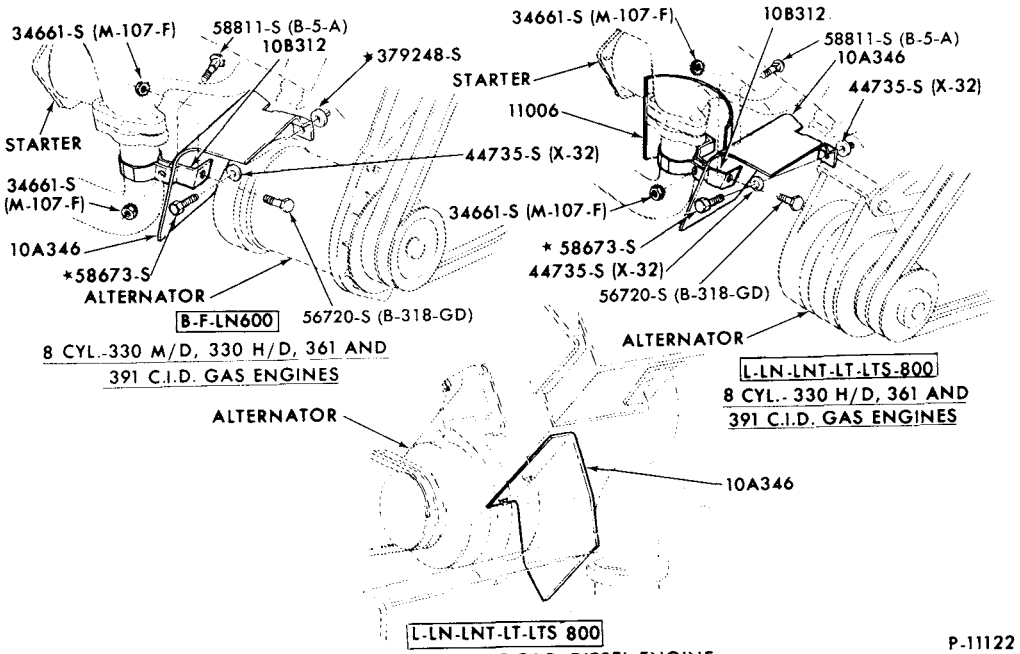
ALTERNATOR MOUNTING PARTS
1973/ L-LN-LNT-LT-LTS-W-WT900--6 CYL. 855 CUM. DIESEL



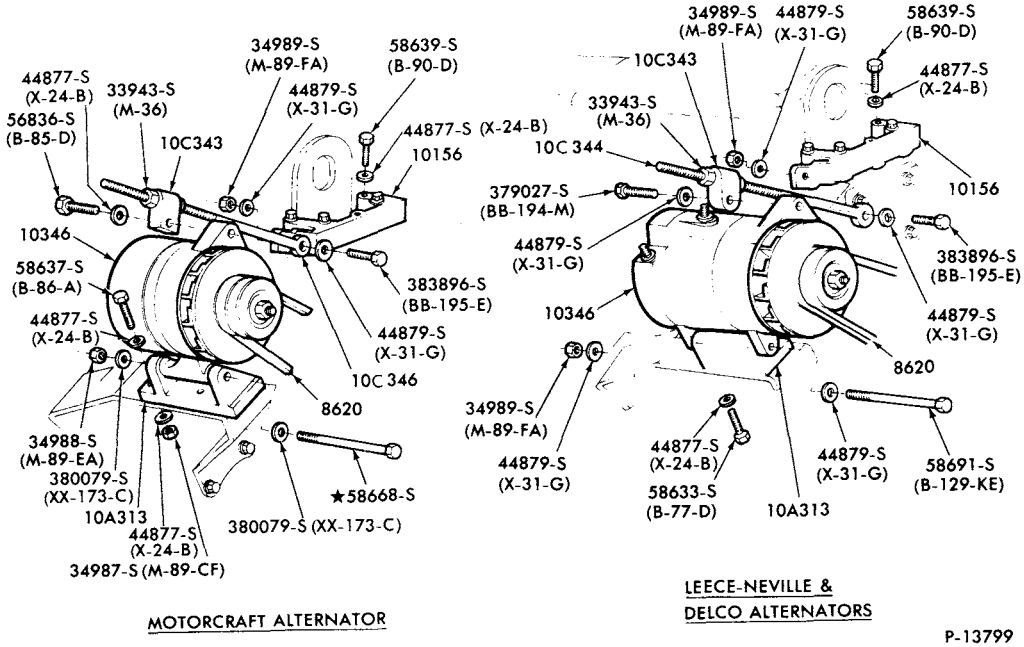
P-8876

ALTERNATOR MOUNTING PARTS
L-LN-LNT-LT-W-WT900--8 CYL. 903 CUM. DIESEL

NEW ISSUE

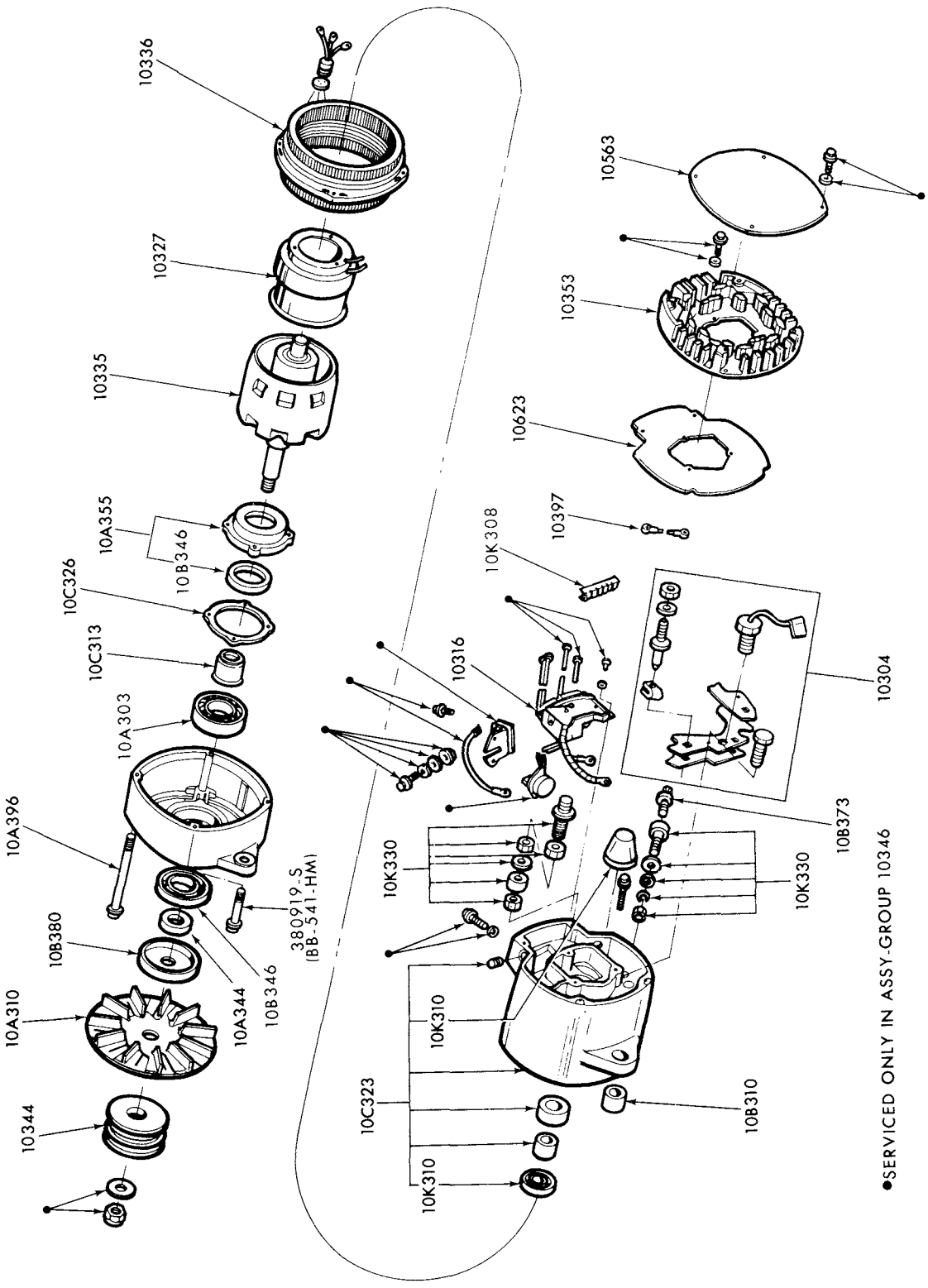


HEAT SHIELD (ALTERNATOR)
1973/78 6 and 8 CYLINDER



ALTERNATOR MOUNTING PARTS
CL-CLT900--6 CYL. 893 CATERPILLAR 3406

P-12823



ALTERNATOR-DELCO REMY 75 AMP.

1974/

NEW ISSUE

HOW TO READ WIRING DIAGRAMS

COURSE 13001 • VOL. 68 S7 L2A

TABLE OF CONTENTS

The descriptions, testing procedures, and specifications in this handbook were ...as approved for printing. Ford Motor Com- ...ue models at any time, or change specifica- ...es without notice and without incurring

NATIONAL SERVICE OFFICE
FORD DIVISION

FIRST PRINTING – JANUARY, 1968

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.

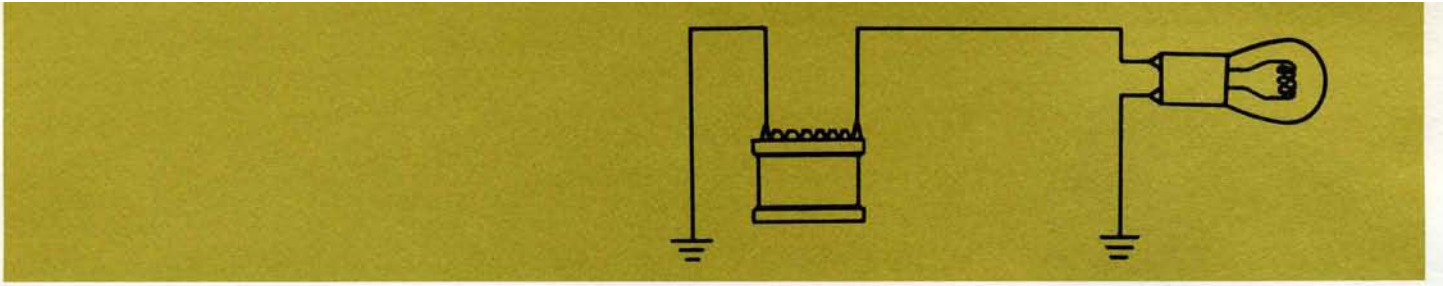
The Purpose of this Booklet . . .

. . . 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.

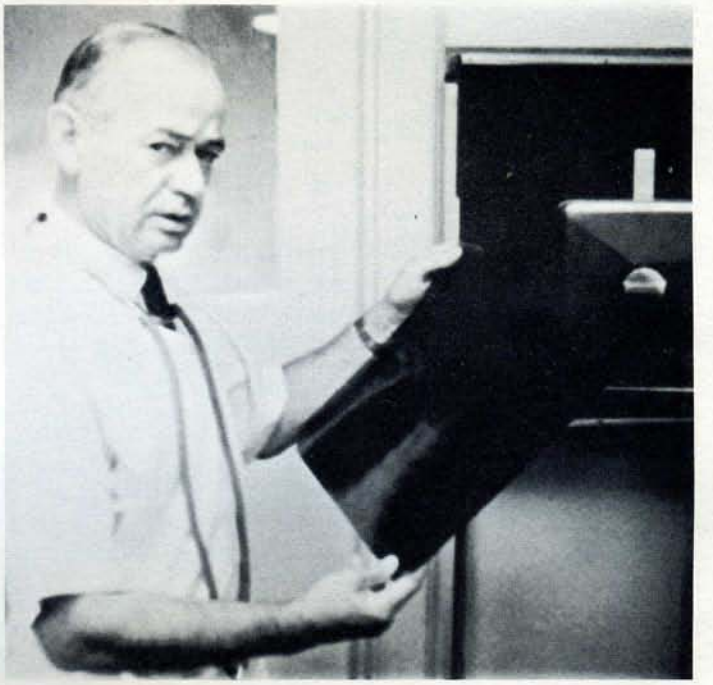


To show how to read wiring diagrams — and to explain how they can be used to help you troubleshoot problems in the electrical system — is what this booklet is all about. Obviously, these are important subjects.

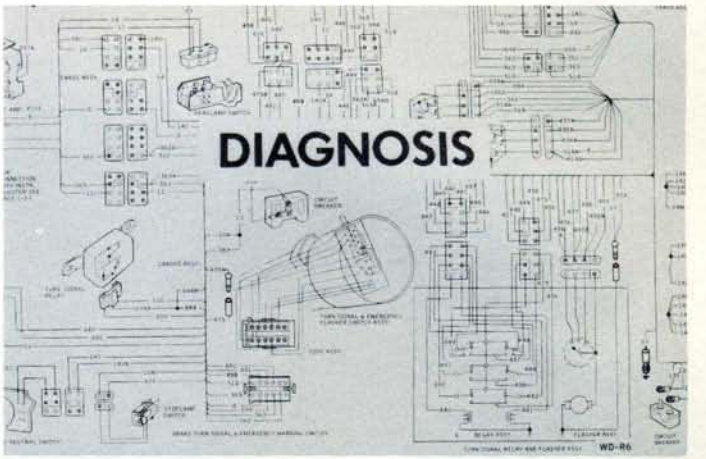
A LOGICAL APPROACH TO ELECTRICAL DIAGNOSIS

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*.

unit *may* be the
nay not. Snap
essional.



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.