TABULATION OF WIRE CIRCUITS, COLORS AND GAGES
FORD CARS BETWEEN 1941 AND 1948
Mercury cars similar; Lincoln cars and Truck systems may be similar but often vary.

This tabulation was transcribed December 2015 from the following sourses:

(1)"Ford V-8 Service Bulletins; 1941-1948 Complete; Publication Pages 267-268; 1945-1947;Subject No. 15999; Wiring; Bulletin Page No. 168; Published May 17, 1947"
(2)"Ford 1942-1948 Shop Manual – Service Handbook; (Appendix) Service Bulletin; Unnumbered Page titled "Wiring Diagram of De Luxe and Super De Luxe Ford V-8, 1945-48"
(3) 1941-48 Ford Book by The Early Ford V-8 Club of America; Copyright 2004; Appendix C; Pages C-5, C-7, C-8 and C-9 (wiring diagrams, color code diagrams, etc)
(4) "Service Manual" Ford …. 1946 thru 1948 (reprint); Copyright 1946 Ford Motor Company; Containing Part One, Part Two and Part Three with Chapters I thru IX.

Within the above four references
(a) some contradictory information was found regarding wire colors and gages;
(b) descriptions of wire color combinationswere found to vary i.e. the terms "tracer" and "cross tracer";
(c) common modifications are noted in italisized text.

IMPORTANT: Circuit wire colors and gages are based on original 6 volt systemsas described in the above publications.Check your system and equipment to determine if there were later changes.

CHANGES: If converting to a 12 volt system, certain modifications must be made or are recommended: i.e. starter motor voltage, generating device, light bulbs, voltage reducers added to dash gauges and heater motor, etc.Be aware that based on original diagrams the Ignition and Cigar Lighter circuits connected to the "input terminal"of the Circuit Breaker are unprotected/unfused. Fuses should be added to protect them.Other than the horns, other circuits are protected by the original Circuit Breaker.

CIRCUIT DESCRIPTIONS	**ORIGINAL COLOR AND GAGE**	
Generator to Regulator:		
Generator Armature to "A" regulator post	**Yellow with Black**	**10**
Generator Field to "F" regulator post	**Black with White**	**16**
Generator "B" post to Circuit Breaker Input	**Yellow**	**10**
Generator Ground to Regulator Ground	**Black with Red**	**16**
Alternator (3-wire) output to starter relay	***Yellow***	*10*
Alternator Field to ignition switch (with a 10 ohm 10 watt resistor &5 amp fuse)	***Brown (varies)***	*16*
Alternator Sensor to starter relay	***White***	*16*
Circuit Breaker Input to Charge Indicator;	**Yellow**	**10**
Charge Indicator to Starter Relay;	**Yellow**	**10**
Starter Relay from Starter Button.	**Black**	**16**
Starter Relay to Horn Relay;	**Yellow with Green**	**10**
Horn Relay to Horn Button;	**Blue with Yellow**	**14**
Horn Relay to Horns. (also found as Yellow with Black)	Yellow with Green	14

Circuit Breaker Input to Cigar Lighter.	**Yellow with Green**	**12**
Circuit Breaker Input to Ignition Switch.	**Yellow with Black**	**14**
Ignition Switch to Fuel Gage;	**Black with Green**	**16**
Fuel Gage to Temp Gage;	**Black and Green**	**16**
Temp Gage to Sender Unit(s).	**Black**	**16**
Fuel Gage to Tank Sender Unit.	**Yellow**	**14 or 16**
Ignition Switch to Coil Resistor;	**Black with Red**	**16**
(also found as Red with Blue)		
Coil Resistor to Ignition Coil;	**Red and yellow**	**16**
Ignition Coil to Distributor Points.	**Black**	**16**
Ignition Switch to Oil Gage;	**Black and Yellow**	**16**
Oil Gauge to Pressure Sender Unit.	**Black and Yellow**	**16**
Ignition Switch to Optional Heater.	(unknown)	12 rec
CB Terminal "A" to Stop Lamp Switch;	**Green**	**14**
Stop Lamp Switch > Stop Lamps	**Green**	**14**
CB Terminal "A" to Pillar Lt Switch > Lamps	**Black with Blue**	**16**
Pillar Lt circuit to Electric Clock Fuse	**Yellow with Black**	**16**
CB Terminal "A" to Dash Lt Switch;	**Yellow with Red**	**12**
Dash Lt Switch to Instrument Lt Rheostat;	**Black with Blue**	**16**
Rheostat to Instrument & Clock Lts.	**Blue with Red**	**16**
Dash Lt Switch to Tail Lamps;	**Black**	**14**
Tail Lamp circuit to License and Trunk.	**Green**	**14**
Dash Lt Switch to Parking and Ignition Lock Lts.	**Black and Yellow**	**16**
CB Terminal "H" to Dash Light Switch;	**Red with Yellow**	**12**
(also found as Yellow with Red)		
Dash Lt Switch to Floor Foot Switch;	**Yellow with Black**	16
(also found as Black with Yellow)		
Floor Foot Switch to High-Beam Lts;	**Green with Black**	**14**
(also found as Black with Green)		
Floor Foot Switch to High-Beam Ind. Lt;	**Green with White**	**16**
Floor Foot Switch to Right Low-Beam;	**Red with Black**	**16**
Floor Foot Switch to Left Low-Beam.	**Red with Yellow**	**16**
(also found as Black with Red)		

Not cover in this tabulation:

Radios;

Fog Lights; circuit Breaker Input terminal to 20 amp fuse; color optional; Gage 14.

Aftermarket Directional Indicator System;

Aftermarket Electric Wiper Systems.