

ELECTRICAL SPECIFICATIONS

DISTRIBUTOR

Make	Delco-Remy
Type of Advance	Centrifugal and Vacuum
Breaker Point Gap (6 cyl. only)	New .019" Used .016"
Breaker Arm Spring Tension (6 cyl. only)	19-23 oz.
Condenser Capacity	.18-.23 microfarad
Cam Angle (Dwell)	26-33 Degrees (6 cyl.) 28-32 Degrees (8 cyl.)
Rotation	Clockwise (viewed from top in installed position)
Firing Order—6 Cylinder	1-5-3-6-2-4
—8 Cylinder	1-8-4-3-6-5-7-2
Ignition Timing—6 Cylinder	T.D.C.
—8 Cylinder	4° B.T.D.C.
Centrifugal Advance—6 Cylinder—1112403	
Start	0°-2° @ 300 Distributor RPM
Intermediate	4°-6° @ 700 Distributor RPM
Maximum	12°-14° @ 1750 Distributor RPM
Centrifugal Advance—283 V-8 2-Barrel (3000 and 4000 Series) 1110920	
Start	0°-2° @ 300 Distributor RPM
Intermediate	5°-7° @ 750 Distributor RPM
Maximum	12°-16° @ 1875 Distributor RPM
Centrifugal Advance—283 V-8 2 and 4 Barrel (5000, 6000, 7000 and 8000 Series)	
	2 Barrel—1112720, 1112725 4 Barrel—1112721, 1112726
Start	0°-2° @ 300 Distributor RPM
Intermediate	5°-7° @ 750 Distributor RPM
Maximum	12°-14° @ 1750 Distributor RPM
Centrifugal Advance—283 V-8 4 Barrel (9000 and 10,000 Series)	
	Early production—1112715, 1112727
Start	0°-2° @ 300 Distributor RPM
Intermediate	5°-7° @ 750 Distributor RPM
Maximum	12°-14° @ 1750 Distributor RPM
	Late production—1112728, 1112729
Start	0°-2° @ 300 Distributor RPM
Intermediate	5°-7° @ 775 Distributor RPM
Maximum	11°-13° @ 1750 Distributor RPM
Vacuum Advance—6 Cylinder—1112403 (Vacuum Unit 1116076)	
Start	4"-6" Hg.
Full Advance	7.5"-10" Hg.
Maximum Advance (Dist. Degrees)	6.5°-8.5°
Vacuum Advance—V-8—1110920	
Start	7"-9" Hg.
Full Advance	13.5"-16.5" Hg.
Maximum Advance (Dist. Degrees)	6.5°-8.5°

IGNITION COIL

Make	Delco-Remy
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IGNITION RESISTOR

Make	Delco-Remy
Resistance (6 cyl. and 283 V-8 Engines) (348 V-8 Engine)	1.40-1.65 ohms White Ceramic 2.0-2-2 ohms Blue Ceramic

CHASSIS ELECTRICAL

Bulb Specifications

Name	Candlepower	Number
Headlamp Unit—# 2 (Outer) High Beam	37½ W	Sealed Beam
Low Beam	50 W	Sealed Beam
# 1 (Inner) High Beam Only	37½ W	Sealed Beam
Parking Lamp	4	67
Tail and Stop Lamp	4-32	1034
License Plate Lamp	4	67
Ignition Switch Lamp	1	53
High Beam Indicator Lamp	1	53
Instrument Cluster Lamp	2	57
Dome Lamp	15	94

Horns

Current Draw	
Low ("L") Horn	8.0-11.0 amperes @ 12.5 volts
High ("H") Horn	8.0-11.0 amperes @ 12.5 volts

Fuses

Instrument Panel Lights (In Lighting Switch)	3 amperes
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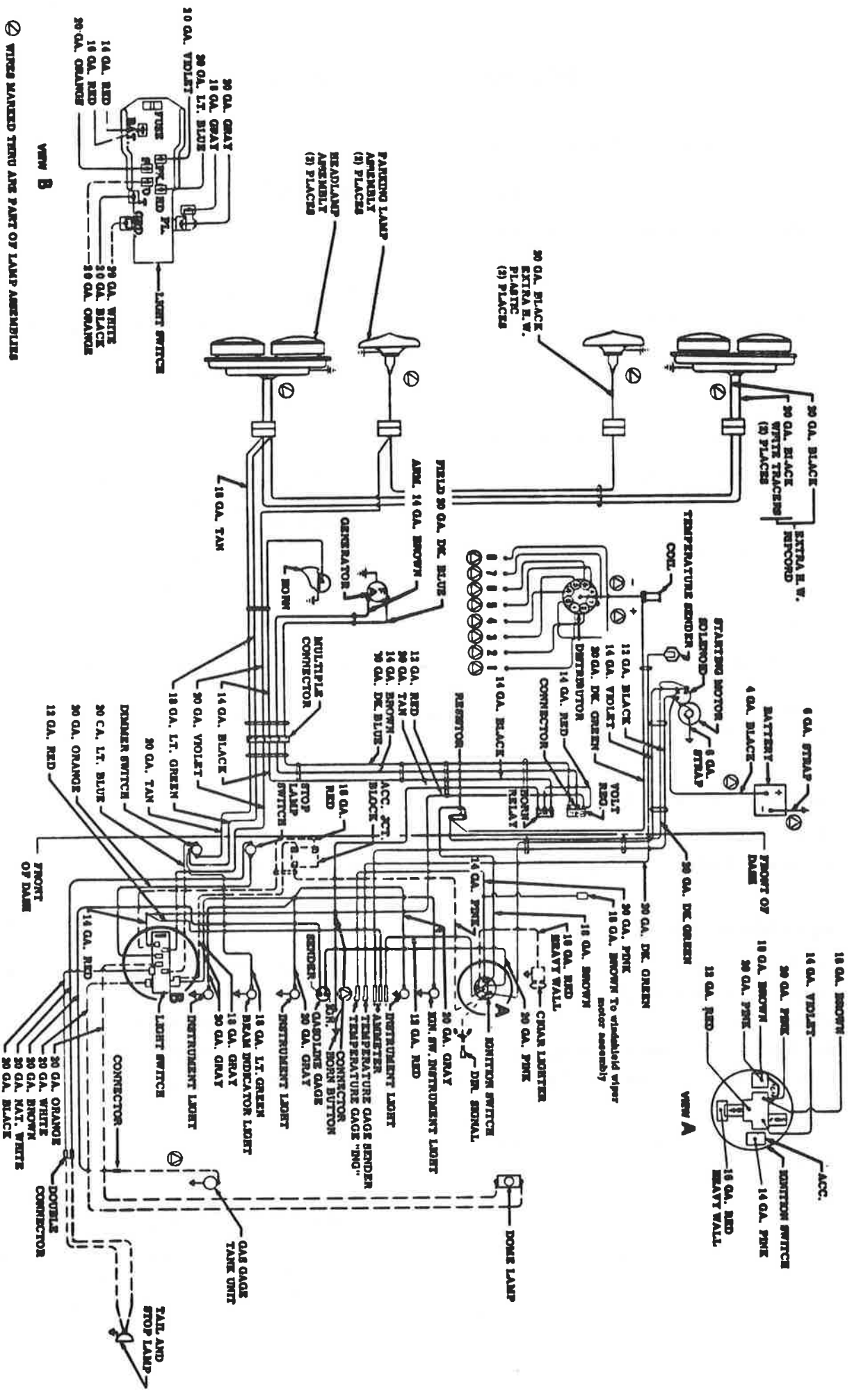
Circuit Breakers (In Light Switch)

Headlamp and Parking Lamp	15 amp.
All Other Lamps (Except Instrument Panel Lamps)	15 amp.

SPARK PLUGS

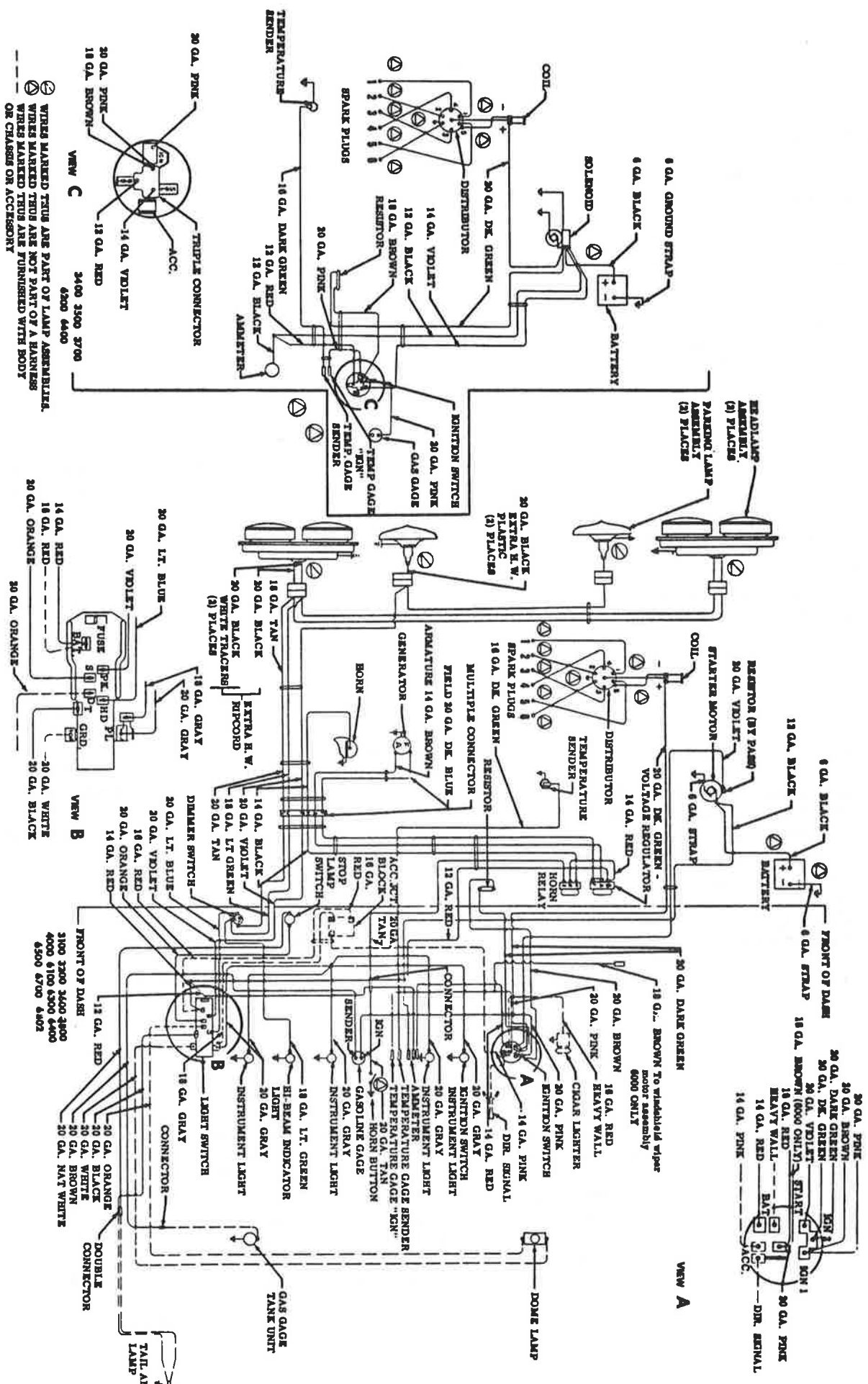
Make	AC	
Type	½-¾-1-1½ Ton	2-2½ Ton
Original Equipment and Service	44	C-42-1 Com.
Hotter Plug for Continuous City Operation— Service Only	45 or 46	C-43 Com.
Colder Plug for Continuous Heavy Duty Work —Service Only	C-43 Com.	—
Size	14mm	
Plug gap	.035"	
Recommended Torque	20 to 25 ft. lbs.	

The 1959 truck electrical systems have been carried over from the 1958 model and therefore the service procedures in the 1958 Truck Shop Manual will apply as well to the current models. An engine overspeed warning system which was incorporated into spinner governor equipped trucks in mid-1958 is being covered here plus several clarifications of the 1958 manual.



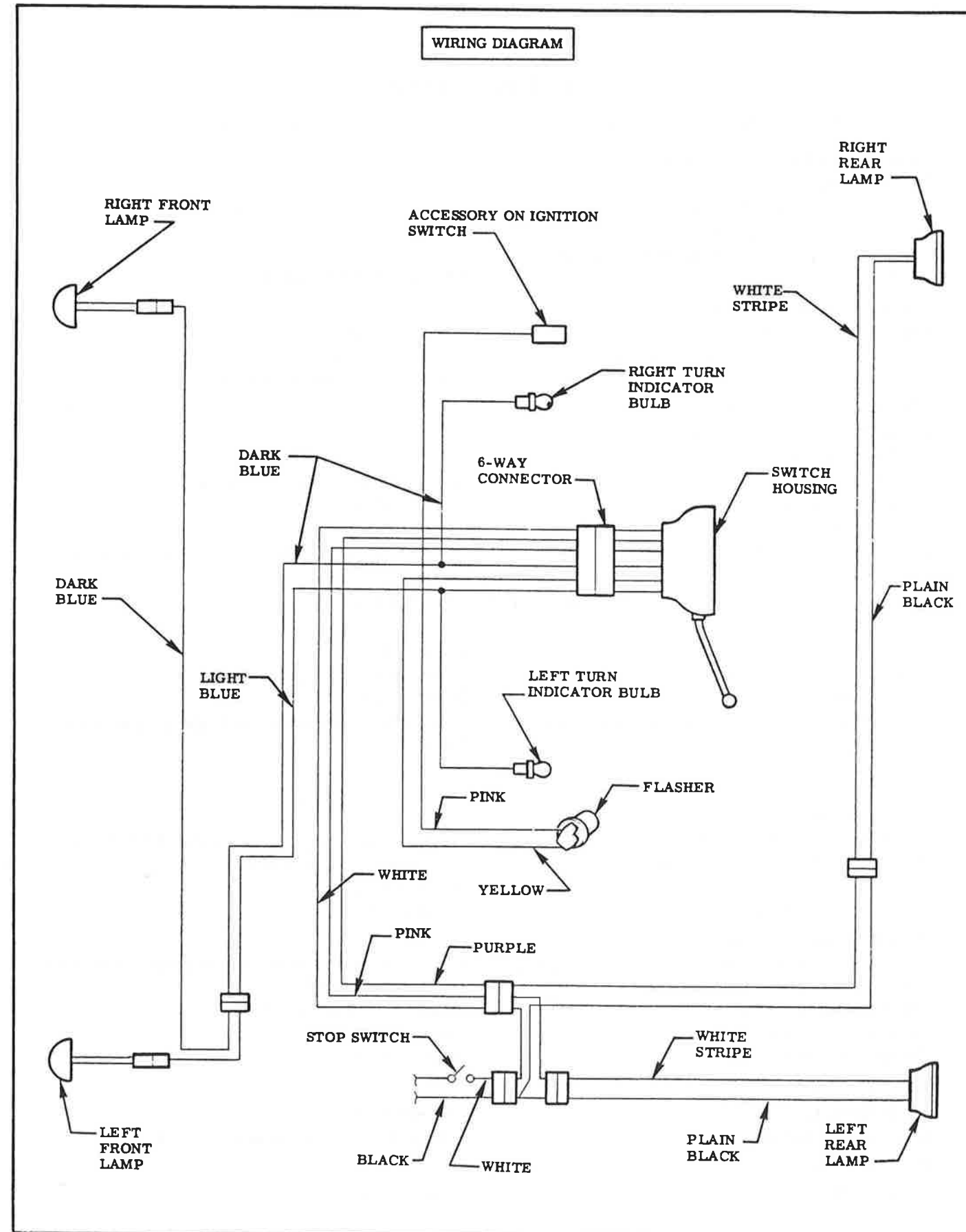
- ① WIRES MARKED THIS ARE PART OF LAMP ASSEMBLIES
- ② WIRES MARKED THIS ARE NOT PART OF A BARNES
- ③ WIRES MARKED THIS ARE FURNISHED WITH BODY OR CHASSIS OR ACCESSORY

Wiring Diagram—5, 7, 8, 9 and 10000 Series (5000 shown as Typical)



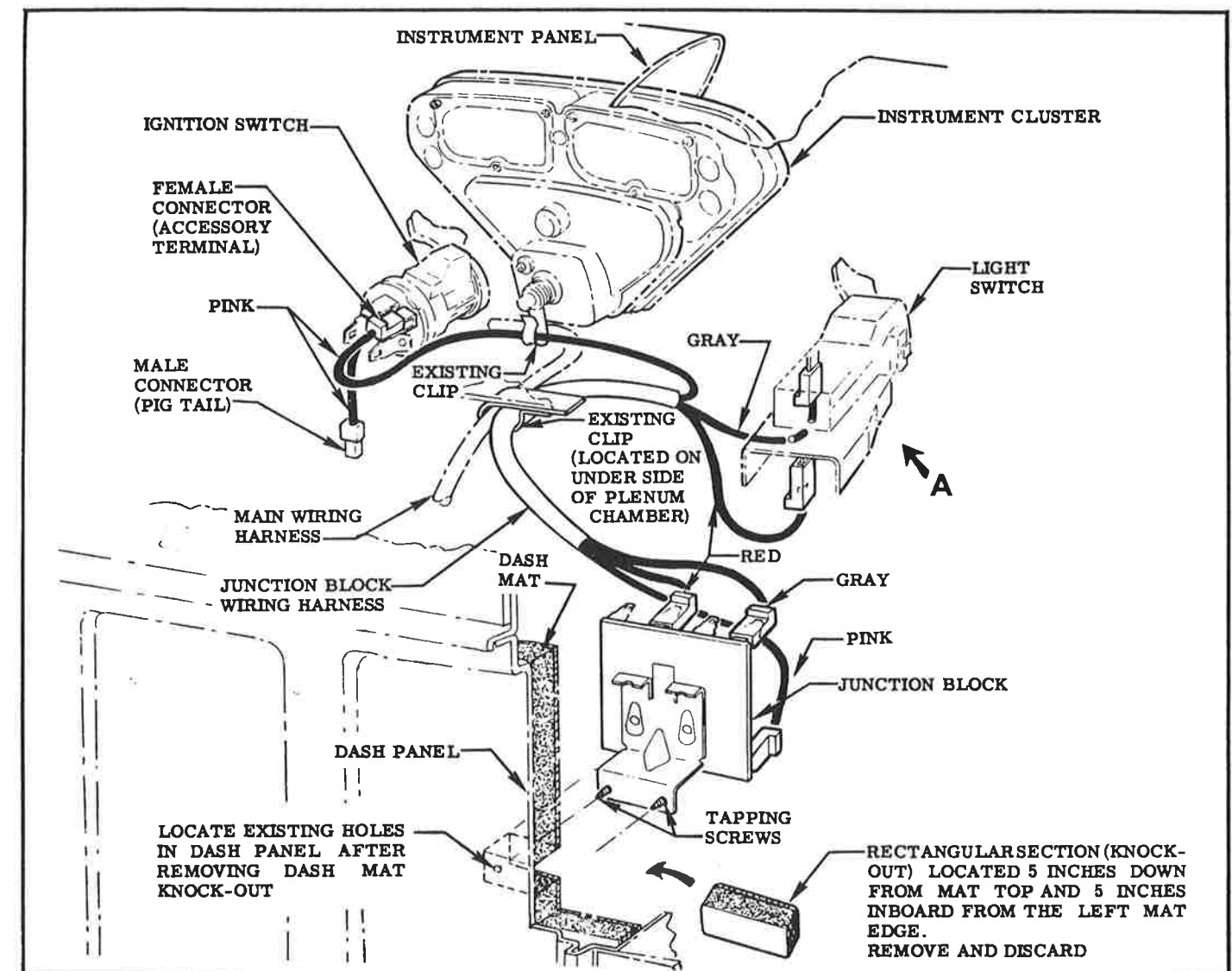
Wiring Diagram—3, 4 and 6000 Series

DIRECTION SIGNAL LAMP



ACCESSORY JUNCTION BLOCK INSTALLATION INSTRUCTIONS

All Trucks



STEP 1 LOCATE AND REMOVE RECTANGULAR SECTION (KNOCK-OUT) AS SHOWN IN ILLUSTRATION.

STEP 2 CONNECT THE HARNESS WIRES TO THE JUNCTION BLOCK AS SHOWN.

STEP 3 POSITION THE BLOCK IN THE CUT-OUT AS SHOWN. COAT TAPPING SCREWS WITH WINDSHIELD SEALER. SECURE THE JUNCTION BLOCK FIRMLY INTO THE DASH.

STEP 4 ROUTE THE JUNCTION BLOCK HARNESS WITH THE MAIN WIRING HARNESS THROUGH CLIP AS SHOWN.

STEP 5 PLUG THE RED AND GRAY WIRES INTO THE LIGHT SWITCH AS SHOWN IN THE ILLUSTRATION AND VIEW A.

STEP 6 IF ACCESSORY TERMINAL ON THE IGNITION SWITCH IS OCCUPIED, DISCONNECT THAT CONNECTION AND CONNECT TO THE MALE CONNECTOR (PIG TAIL) ON THE PINK WIRE.

STEP 7 CONNECT THE FEMALE TERMINAL ON THE PINK WIRE TO THE ACCESSORY TERMINAL ON THE IGNITION SWITCH.

