

VOL. 19, NO. 10

OCTOBER, 1945

NEW OWNER'S SERVICE POLICY





WHO OWNS ONE

PACKARD OWNER'S SERVICE POLICY

- 1. Owner's Service Card. At the time of delivery the owner is provided with an Owner's Service Policy and Card, which will introduce him to any authorized Packard Service Station and entitle him to receive service in accordance with this policy
- 2. Parts and Labor: For 90 days after the original delivery of such motor car to the owner, provided the car has not been driven to exceed 4,000 miles, any parts, including all standard equipment, except tires, that may be adjudged by Packard Motor Car Company to be defective under its warranty will be replaced or repaired by any Packard dealer in the United States and Canada without charge to the owner for material or labor
- 3. Adjustments: The owner is entitled during the warranty period to receive inspections and adjustments of his new car by the selling Packard dealer as indicated on the coupons attached to the Service Policy.
- 4. Inspections: Throughout the life of the car, the owner is entitled to have it tested and inspected without charge every 30 days or 1,000 miles by an authorized Packard Service Station.
- 5. Tourist Privileges: When touring, the owner is entitled, upon presentation of the Packard Service Policy to all the benefits of this policy during the warranty period at any authorized Packard Service Station in the United States and Canada.

- 6. Change of Residence: In case the owner changes his residence from one location to another before the warranty period has expired, the Packard Service Station serving the locality into which the owner moves will, upon presentation of the Owner's Service Policy, render any nocharge service to which the owner may be entitled.
- 7. Service Charges: Every authorized Packard Service Station has made a list of correct charges for service work. In order that maintenance costs may be kept as low as possible, these charges are based on careful studies to determine the shortest time for doing service operations consistent with quality workmanship. Guaranteed Packard Parts can be obtained from any authorized Packard Service Station and should be used for replacement purposes.

Please Note: Your warranty inspection coupons and Owner's Service Identification Card are attached. No charge will be made by the Dealer selling the car, for the 1000 and 3000 mile inspections as listed on the back of the coupons. If, however, you change your residence or require the services while touring, any authorized Packard Dealer in the United States or Canada will render the service listed and accept the coupon as payment. It is understood that any lubricants, anti-freeze or Rust Preventive will be paid for by the customer. The coupons are to be used during the warranty period at approximately the intervals indicated.

Nº 00026

PACKARD 1000 MILE COUPON Vehicle No. _____ Engine No. _____ Delivery Date ______ Owner _____ Selling Dealer ______ City ______ Servicing Dealer ______ City ______ Nº 000026

Vehicle No	Engine No
Delivery Date	
Owner	
Selling Dealer	
City	
Servicing Dealer	
City	

<u>Gackari</u>	OWNER'S	SERVICE	CARD
NAME			
ADDRESS			
CITY		The last	
OWNER'S S	IGNATURE	18- AV-7, 13	

MECHANICAL SPECIFICATIONS AND ADJUSTMENTS

21ST SERIES

MODELS	2100	2101-2111	2103-2106
ENGINE			
Make	Packard	Packard	Packard
Гуре	L-Head—Vertical	L-Head-Vertical	L-Head—Vertical
	En Bloc	En Bloc	En Bloc
A.M.A. Horsepower	29.4	33.8	39.2
Maximum Brake Horsepower	105 @ 3600 rpm	125 @ 3600 rpm	165 @ 3600 rpm
uspension	Rubber Mounted	Rubber Mounted	Rubber Mounted
iring Order	1-5-3-6-2-4	1-6-2-5-8-3-7-4	1-6-2-5-8-3-7-4
Corque	192 ft-lb @ 2000 rpm	230 ft-lb @ 2000 rpm	292 ft-lb @ 2000 rpm
Bore	31/2"	31/4"	31/2"
troke	41/4"	41/4"	45%"
Piston Displacement	245 cu in	282 cu in	356 cu in
Cylinders	6 in Line	8 in Line	8 in Line
Compression Ratio—Standard	6.71 to 1	6.85 to 1	6.85 to 1
Weight with Clutch and Transmission	697 lb	791 lb	925 lb
Weight with Overdrive	757 lb	851 lb	985 lb
Cylinder Head Material	Cast Iron	Cast Iron	Cast Iron
Engine rpm per Mile—Standard Ratio	3229	3079	2830

CD	٨	N	V	C	٨	C	E

Type	Integral with Cylinders	Integral with Cylinders	Integral with Cylinders
Upper Half Material	Cast Iron	Cast Iron	Cast Iron
Lower Half Material	Steel Stamping	Steel Stamping	Steel Stamping
Oil Capacity	5 qt	5½ qt	7 qt
Crankcase Oil Gauge	Dip Stick, Left Side	Dip Stick, Left Side	Dip Stick, Left Side
Crankcase Drain Plug	5/8"-18	5/8"-18	5/8"-18
Main Bearing Diameter	23/4"	234"	23/4"
Main Bearing Length No. 1	1 19 "	1½"	1 11 "
Main Bearing Length No. 2	1½"	1 32"	1 3 "
Main Bearing Length No. 3	11/2"	1 1 19 "	1 3"
Main Bearing Length No. 4	2 5 0	1 32"	1 3 7
Main Bearing Length No. 5	None	2 5 "	1 11 11 11 11 11 11 11 11 11 11 11 11 1
Main Bearing Length No. 6	None	None	1 3 "
Main Bearing Length No. 7	None	None	$1\frac{3}{16}''$
Main Bearing Length No. 8	None	None	1 3 "
Main Bearing Length No. 9	None	None	2 32"
Total Main Bearing Area	45.1 sq in	56.6 sq in	86.8 sq in

VALVES

VALVES			
Valve Lift	Exhaust .3175	Exhaust .3175	Exhaust .340
	Intake .318	Intake .318	Intake .340
Valve Arrangement	L Head	L Head	L Head
Valve Head Diameter—Inlet	1 19 "	1 31 "	1.670"
Valve Head Diameter—Exhaust	13/8"	13/8"	$1\frac{7}{16}$
Valve Stem Diameter—Inlet	.33975"	.33975"	.34025"
Valve Stem Diameter—Exhaust	.33975"	.33975"	.34025"
Valve Over-All Length	5.619"	5.619"	6.224"
Valve Material—Inlet	Chrome Nickel	Chrome Nickel	Chrome Nickel
Valve Material—Exhaust	Austenitic	Austenitic	Austenitic
Valve Spring Keeper Type	Split Cone	Split Cone	Split Cone
Valve Stem Clearance—Inlet	.0025"	.0025"	.002"
Valve Stem Clearance—Exhaust	.0045"	.0045"	.004"
Valve Tappet Clearance Inlet-Warm	.007"	.007"	Automatic Take-Up
Valve Tappet Clearance Exhaust-Warm	.010"	.010"	Automatic Take-Up
Inlet Valve Opens	1° btdc	1° btdc	4° btdc
Inlet Valve Closes	39° aldc	39° aldc	51° aldc
Exhaust Valve Closes	5° atdc	5° atdc	10° atdc
Exhaust Valve Opens	45° bldc	45° bldc	49° bldc
Tappet Clearance for Timing Inlet	.0125"	.0125"	Not Used
Tappet Clearance for Timing Exhaust	.015"	.015"	Not Used
Valve Seat Angle—Inlet	30°	30°	30°
Valve Seat Angle—Exhaust	45°	45°	45°
Valve Spring	Single	Single	Single
Valve Spring Load Valve Closed	52-57 lb (1 5/8")	52-57 lb (1 5/8")	60-66 lb (1¾")
Valve Spring Load Valve Open	119-129 lb (1 5/1)	119-129 lb (1 5/1)	135-145 lb (1 13")
Exhaust Pipe Diameter	2" 於其無	2 1/4"	21/2"
Muffler Size	$5\frac{3}{16}$ " x $37\frac{7}{8}$ ",	5 16" x 38 1/4"	6.075 x 41 5/8"

FRONT END

Gear Cover
Camshaft Drive
Make of Cloth
Length, Width and Pitch of Chain
Number of Camshaft Bearings
Clearance of Camshaft Bearings
Camshaft End Play
Camshaft Sprocket—Material and Size

Steel Stamping
Silent Chain
Morse or Ramsey
58 Links; 1½"; .375"
4
.001"-.003"
.0025"-.006"
Cast Iron—42 Teeth

Steel Stamping Silent Chain Morse or Ramsey 58 Links; 1 ½"; .375 5 .001"-.003" .0025"-.006" Cast Iron—42 Teeth Steel Stamping
Silent Chain
Morse
62 Links; 1½"; .375"
8
.001"-.003"
.0025".,006"
Cast Iron—42 Teeth—Hardened

2103-2106

PISTON

Type and Material

Weight
Weight with Rings and Pin
Overall Height
Overall Height
Height Centerline of Pin to Top
Skirt Clearance
Assemble Slot Toward
Piston Pin—Size
Type
Lubrication of Pin
Piston Pin Fit in Piston

Piston Pin Fit in Rod
Piston Pin Oversizes
Number of Rings per Piston
Number of Oil Rings per Piston
Type of Compression Rings
Top Groove
Second Groove
Type of Oil Rings
Width of Compression Rings No. 1
Width of Compression Rings No. 2
Width of Oil Rings
Piston Ring Gap—Compression
Piston Ring Gap—Oil
Location of Rings
Piston Oil Drain Holes
Piston Oversizes

Autothermic Aluminum Alloy 201/4 oz 2634 oz 378" 21/8" .0005"-.001" Camshaft 3 14" x 7/8" Floating Pressure Push Fit at Room Temp. (80 to 130 lb per sq in) Size to Size .003"-.006" 3 1 No. 200

No. 200 No. 70 No. 86 .093".0935" .1235".124" .186".1865" .007".017" .007".015" Above Pin 12 \frac{5}{32}" 010", .020", .030", .040" Autothermic Aluminum
Alloy
17 1/4 oz
23 1/6 oz
37/8"
2 1/8"
.0005"-.001"
Camshaft
2 \$\frac{4}{3}\times x \frac{7}{6}\times
Pressure
Push Fit at Room Temp.
(80 to 130 lb per sq in)
Size to Size
.003"-.006"
3

No. 200 No. 70 No. 86 .0925"-.0935" .1235"-.124" .186"-.1865" .007"-.017" .007"-.015" Above Pin 12 \(\frac{3}{2} \) \(Autothermic Aluminum
Alloy
20 ½ oz
26¾ oz
3½"
2½"
.0005"-.001"
Camshaft
3¼" x ½"
Floating
Pressure
Palm Push at 160° F in Water

Size to Size .003"-.006" 3 1 No. 200 No. 70

No. 86 .0930"-.0935" .1235"-.124" .186"-.1865" .007"-.017" .007"-.015" Above Pin 12 \frac{5}{32}" .010"..020",.030",.040"

CONNECTING ROD

Weight
Material
Bearing Type
Center to Center Length
Diameter of Crankpin Bearing
Length of Crank Pin
Clearance Bearing to Crankpin
End Play on Crankshaft
Oil Lead to Piston Pin
Bearing Material

Assembled in Engine Cap Attached Bearing Adjustment 1 lb 15.6 oz
Steel Forging
Detachable Shell
7 th"
2 32"
1 1/4"
.0005"-.0015"
.004"-.010"
Rifle Drilled
Special Composite
Construction
Oil Hole Toward Camshaft
Bolts, Nuts and Lock Nuts
Replace Bearing Shells

Steel Forging
Detachable Shell
9¼"
2¼"
13%"
.0005"-.0015"
.004"-.010"
Rifle Drilled
Special Composite
Construction
Oil Hole Toward Camshaft
Bolts, Nuts and Cotters

Replace Bearing Shells

2 lb 7 oz

CRANKSHAFT

Type Material Number of Counterweights Number of Main Bearings Main Bearing Diameter Thrust Taken On Vibration Damper

Weight End Play Main Bearing Material

Clearance—All Main Bearings Crankshaft Sprocket—Material and Size Bearing Adjustment Counterbalanced
Steel Forging
6 Forged Integral
4
2¾"
Front
Rubber Friction Disc,
Waterproof
81½ lb
.003"-.008"
Special Composite
Construction
.0005"-.0015"
Steel—21 Teeth

Replace Bearing Shells

Counterbalanced
Steel Forging
8 Forged Integral
5
2 3 4 "
Center
Rubber Friction Disc,
Waterproof
95 Ib
.003"..008"
Special Composite
Construction
.0005"..0015"
Steel—21 Teeth
Replace Bearing Shells

Counterbalanced
Steel Forging
8 Bolted
9
23¼"
Center
Rubber Friction Disc,
Waterproof
104 lb
.003".008"
Special Composite
Construction
.0005"-.0015"
Steel—21 Teeth

Replace Bearing Shells

Single Dry Plate Single Dry Plate Single Dry Plate Pedal Free Play 11/2"-2" 13/4"-21/4 Facing Material U, S. Asbestos, Woven U. S. Asbestos, Woven U. S. Asbestos, Woven 6" x 91/2" x .125" Size Facing 6" x 10" x .125" 65%" x 11" x .125 Throw-Out Bearing Prelubricated Ball Prelubricated Ball Prelubricated Ball Clutch Spring Pressure 163 lb at 1 16" 1271/2 lb at 1 16" 163 lb at 1 16" Number of Springs Vibration Neutralizer Springs Springs Springs

TRANSMISSION Type Selective-Silent-Synchronized Selective-Silent-Synchronized Selective-Silent-Synchronized Number of Forward Speeds Engine to Rear Wheel Ratio Std OD Std OD Std OD Overdrive 3.28 3.10 2.95 Direct 4.55 4.1 4.3 3.92 4.09 Second 6.57 6.96 6.27 6.57 5.99 6.25 First 10.44 9.95 11.04 10.44 9.51 9.93 Reverse 12.97 13.6 14.40 13.6 12.4 12.94 Oil Capacity-Standard Transmission 2 pints 2 pints 2 pints Oil Capacity-O.D. Unit 11/4 pints 11/4 pints 1 1/4 pints Oil Level Plugs 1/2"-14 Pipe 1/2"-14 Pipe 1/2"-14 Pipe Gear Teeth Helical Helical Steering Post Shift Mechanical Type Std Equip. Mechanical Type Std Equip. Mechanical Type Std Equip.

FRAME Taper Pressed Steel Double Drop. Side Rail Box Sec-Type Taper Pressed Steel Double Taper Pressed Steel Double Drop. Side Rail Box Sec-Drop. Side Rail Box Sectioned at Front and Rear tioned at Front and Rear tioned at Front and Rear Thickness Five Channel Cross Members Five Channel Five Channel X-Type in Center X-Type in Center X-Type in Center

STEERING GEAR Make Packard-Gemmer Packard-Gemmer Packard-Gemmer Туре Worm & 3 Tooth Roller Worm & 3 Tooth Roller Worm & 3 Tooth Roller Ratio 20.4 to 1 20.4 to 1 20.4 to 1 Steering Wheel 18"-3 Spoke "T" 18"-3 Spoke "T" 18"-3 Spoke "T" Minimum Turning Radius 21 ft 21 ft 22 ft

FRONT SUSPENSION Make Packard Safe-T-Flex Packard Safe-T-Flex Packard Safe-T-Flex Туре Independent Parallelogram Independent Parallelogram Independent Parallelogram Steering Knuckle Reverse Elliot Reverse Elliot Reverse Elliot Steering Knuckle Pin Bearings .866 x 1.1875 Long x 1.189 OD .866 x 1.1875 Long x 1.189 OD Lower .866 x 1.1875 Long x 1.189 OD Upper Needle Bearing Needle Bearing Needle Bearing Steel Ball Bearing Thrust Bearings Steel Ball Bearing Steel Ball Bearing Neg. 1° Plus or Minus 1/2° Neg. 1° Plus or Minus 1/2° Neg. 1° Plus or Minus 1/2° Caster Front Wheel Toe-In 0 Plus 16 Minus 0 0 Plus 16 Minus 0 0 Plus 16 Minus 0 Knuckle Pin Angle 5°35′ 5°35′ 5°35' Tread 5914" 5914" 591/4" 0° Plus or Minus 1/4° Camber 0° Plus or Minus 1/4° 0° Plus or Minus 1/4° Tapered Roller Wheel Bearings-Inner and Outer Tapered Roller Tapered Roller Tighten Nut and Back Wheel Bearing Adjustment Tighten Nut and Back Tighten Nut and Back

Off 1/2 Turn and Lock

Off 1/2 Turn and Lock

Off 1/2 Turn and Lock

ELECTRICAL

Battery Make

Capacity Plates Ignition Timing Breaker Point Gap Breaker Arm Spring Tension Spark Control Spark Advance Begins at Distributor (Vacuum Controlled)

Spark Plug-Size Spark Plug-Make and Type Spark Plug Gap Generator Make and Type

Generator Drive Generator Cut-In-Speed-Gold

Generator Maximum Charging Rate Generator Voltage Regulator

Generator Voltage to Close Cut-Out Generator Ventilated Starter Motor-Make and Type

Starter Drive Number of Flywheel Teeth Number of Teeth in Bendix Pinion Pinion Meshes Light Control

Headlight Current Protection Auxiliary Fuse Body Fuse Tail Light Fuse Stop Light Fuse Windshield Wiper Protection Clock Fuse Overdrive Relay Headlight Bulb-Sealed Beam Horn-Make Horn-Location Battery Terminal Grounded Ampere Draw of Horns Ampere Draw of Car Heater Motor Ampere Draw of Car Defroster Ampere Draw of Windshield Wiper Ampere Draw of Headlights (each) Ampere Draw of Coil-Idling Cold Ampere Draw of Coil-Stopped Cold Clock-Make and Type Cigar Lighter Starter Stall Torque

Turn Signal

Ignition Coil-L.H.D.

Willard-SW-ID-100 Autolite-P-15-ZR 100 hr 15 4° btdc .018"-.022" 19-23oz, Full Automatic 600 Engine rpm Autolite IGC-4505 Delco-1110092 10 mm. 104 AC or Champion Y4A .025"-.030" Autolite GDZ-4801F Delco 1102682

2100

Belt 920 rpm Autolite 800 rpm Delco 35 Amperes Autolite VRP-4002C Delco 1118202 61/2 to 7 Volts

Yes Autolite MAW-4027 Delco 1107056 Bendix Shift 140 From Front

On Instrument Board and Foot Switch Thermostatic Relay SFE 20 Ampere SFE 20 Ampere SFE 20 Ampere SFE 20 Ampere Thermostatic Relay SFE 4 Ampere SFE 30 Ampere 40-30 Watt Sparton Mounted on Engine Positive

22-25 Amperes 6 Amperes at 7 Volts 41/2 Amperes at 7 Volts 41/2 Amperes at 6 Volts 30-40 Watts 2.75 Amperes 5. Amperes Electric-Borg

Automatic 18 ft lb @ 4 Volts-670 Amperes Autolite CE-3224US

Delco D-1115001

Willard-SW-ID-100 Autolite-P-15-ZR 100 hr 5° btdc .0125"-.0175" 19-23 oz, Full Automatic 650 Engine rpm Autolite IGP-4502A

10 mm. 104 AC or Champion Y4A .025"-.030" Autolite GDZ-4801F

Belt 920 rpm

35 Amperes Autolite VRP-4002C

6½ to 7 Volts

Bendix Shift

Autolite MAW-4027

140 From Front On Instrument Board and Foot Switch Thermostatic Relay SFE 20 Ampere SFE 20 Ampere SFE 20 Ampere SFE 20 Ampere Thermostatic Relay SFE 4 Ampere SFE 30 Ampere 40-30 Watt Sparton

Mounted on Engine Positive 22-25 Amperes 6 Amperes at 7 Volts 41/2 Amperes at 7 Volts 41/2 Amperes at 6 Volts 30-40 Watts 2.4 Amperes 5. Amperes

Electric-Borg

Automatic 18 ft lb @ 4 Volts-670 Amperes Autolite CE-3224US

Std Equipment (2111 only)

Autolite-17-ZR 120 hr 4° btdc .0125"-.0175" 19-23oz, Full Automatic 500 Engine rpm Autolite IGT-4102

10 mm. 104 AC or Champion Y4A .025"-.030" Autolite GEA-4802A

Belt 780 rpm

35 Amperes Autolite VRP-4002C

61/2 to 7 Volts Autolite MAX-4052

Solenoid Actuated

140 From Front On Instrument Board and Foot Switch Thermostatic Relay SFE 20 Ampere SFE 20 Ampere SFE 20 Ampere SFE 20 Ampere Thermostatic Relay SFE 4 Ampere SFE 30 Ampere 40-30 Watt Sparton

Mounted on Engine

Positive 33-36 Amperes 6 Amperes at 7 Volts 41/2 Amperes at 7 Volts 41/2 Amperes at 6 Volts 30-40 Watts

2.4 Amperes 5. Amperes Electric-Borg

45.9 ft lb @ 4 Volts-906 Amperes Autolite CE-3224ABS

Std Equipment

COOLING SYSTEM

Water Pump Water Pump Drive Radiator Core Capacity of System Driving Pulley Ratio Thermostat Starts to Open Standard High Reading Fan Belt Radiator Hose-Inlet

Radiator Hose-Outlet Heat Indicator Fan Belt Adjustment Gravity Flow of Radiator Radiator Cap

Centrifugal-Self-Adjusting Fan Belt Tubular 31/2 gal 4 Blade 18" On Crankshaft

.963 to 1

145°-150° 160°-165° 49 1/4" x 3/4" x 42° 12 5 " x 2 1/8" OD x 13/4" ID 120° Angle-Moulded 3¾" x 1¾" ID Pressure Bulb Type At Generator 30 gal per min Pressure Type

(41/2 lb per sq in)

Centrifugal-Self-Adjusting Fan Belt Tubular 4¼ gal 4 Blade 18" On Crankshaft .963 to 1

145°-150° 160°-165° 491/4" x 3/4" x 42° 12 5 X 2 1/8" OD x 13/4" ID 120° Angle-Moulded 3¾" x 1¾" ID Pressure Bulb Type At Generator 35 gal per min Pressure Type (4½ lb per sq in)

Centrifugal-Self-Adjusting Fan Belt

Tubular 5 gal 5 Blade 181/2" On Crankshaft .973 to 1

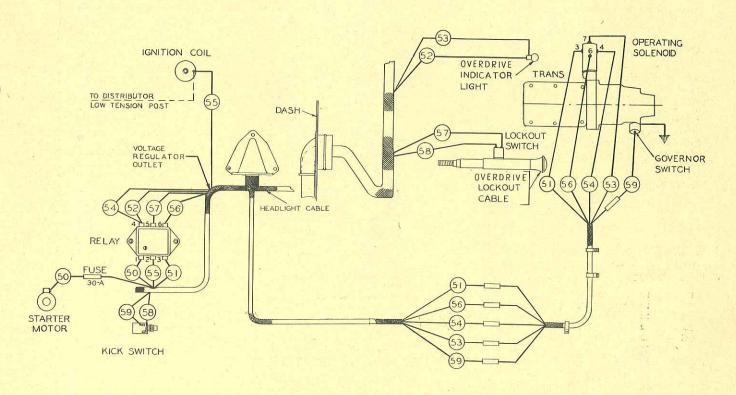
145°-150° 160°-165° 52 1/4" x 1" x 42° 111/2" x 21/8" OD x 13/4" ID 130° Angle-Moulded 3¾" x 1¾" ID Pressure Bulb Type At Generator 45 gal per min Pressure Type (7 lb per sq in)

MODELS	2100	2101-2111	2103-2106
SASOLINE SYSTEM			
arburetor—Make and Size	Carter WAI-530-S Dow		Carter WDO-531-S Down-
Gasoline Feed	draft 1 1/4" Single Barr Mechanical Pump	el draft 1 ¼" Duplex Mechanical Pump	draft 1 ¼" Duplex
Pump Drive	Off Camshaft	Off Camshaft	Mechanical Pump Off Camshaft
Gasoline Filter	Incorporated in Fuel Pu		Incorporated in Fuel Pump
Gasoline Gauge	Electric	Electric	Electric
Gasoline Tank Capacity	17 gal	17 gal	20 gal
ir Cleaner and Silencer	Oil Coated Mesh Std.	Oil Coated Mesh Std.	Oil Bath Standard
	Oil Bath Special Equip.	Oil Bath Special Equip.	Equipment
Carburetor Heat Control	Thermostatic Thermostatically Contro	Thermostatic Thermostatically Controlled	Thermostatic Thermostatically Controlled
arburetor Fuel Level	3%" Below Top of Bowl	32" Below Top of Bowl	5 Below Top of Bowl
EAR AXLE			
ype	Semi-Floating	Semi-Floating	Semi-Floating
lake	Packard	Packard	Packard
inal Drive	Hypoid Gears	Hypoid Gears	Hypoid Gears
ropulsion	Through Rear Springs	Through Rear Springs	Through Rear Springs
xle Housing	Pressed Steel Banjo Typ	pe Pressed Steel Banjo Type	Pressed Steel Banjo Type
Oil Capacity	4 pt	4 pt	6¾ pt
Wheel Bearings	Tapered Roller	Tapered Roller	Tapered Roller
read	60 16"	60 13"	60 11"
tandard Gear Ratio 'inion Backlash	4.3 to 1 .003"005"	4.1 to 1 .003"005"	3.92 to 1 .003"005"
Jumber Teeth—Gear and Pinion	43-10	41-10	47-12
oil Drain Plugs	½"-14 Pipe	½"-14 Pipe	½"-14 Pipe
Universal Joints	"Mechanics"	"Mechanics"	"Mechanics"
	Roller Bearing Type	Roller Bearing Type	Roller Bearing Type
umber Required	2	2	2
PRINGS			
ront—6 Pass. Sedan Rear—6 Pass. Sedan	1740 x 76 Coil	1890 x 81 Coil	2030 x 90 Coil
ront Size	870 x 105 Leaf	870 x 105 Leaf	980 x 110 Leaf
Jumber of Coils—Effective	5.58 OD, 4¼ ID 9.10	5.61 OD, 4¼ ID 9.35	5.65 OD, 4¼ ID 9.33
ear Length and Width	543/8" x 2"	543/8" x 2"	543%" x 2"
hackles	Rubber Mounted	Rubber Mounted	Rubber Mounted
pring Covers	No	No	No
hock Absorbers—Front	Hydraulic Two-Way	Hydraulic Two-Way	Hydraulic Two-Way
hock Absorbers—Rear	Hydraulic Direct Acting		Hydraulic Direct Acting
tabilizer—Front	Torsional	Torsional	Torsional
tabilizer—Rear pring Material—Front and Rear	Hydraulic Direct Acting Silico-Manganese	Hydraulic Direct Acting Silico-Manganese	Hydraulic Direct Acting Silico-Manganese
	oneo manganese	omeo Pangunese	John Co-Manganese
RAKES			
ype	Hydraulic-2 Shoe	Hydraulic—2 Shoe	Hydraulic—2 Shoe
ffective Area	165 sq in	171.5 sq in	208.25 sq in
ffective Area Hand Brake	79.25 sq in	85.75 sq in	98 sq in
Orum Diameter—Front	12" Centrifuse	12" Centrifuse	12" Centrifuse
—Rear	11" Centrifuse	12" Centrifuse	12" Centrifuse
ining Size and Material			
Primary—Marshall 2201H-8			2232 222 222
Front	134" x 3" x 11½"	134" x 36" x 11½"	2 ¼" x 3 x 11½"
Rear Secondary—Marshall B-50	$1\frac{3}{4}'' \times \frac{3}{16}'' \times 10\frac{5}{8}''$	$1\frac{3}{4}$ " x $\frac{3}{16}$ " x $11\frac{1}{2}$ "	$2'' \times \frac{3}{16}'' \times 11\frac{1}{2}''$
Front Front	134" x 3 x 13"	1 ³ / ₄ " x ³ / ₁₆ " x 13"	21/4" x 35" x 13"
Rear	134" x 16" x 12"	134" x 16" x 13"	2" x 36" x 13"
	10 20 20 20 20 20 20 20 20 20 20 20 20 20	7.2 7.10	
/HEELS			
	Domountal-1- Di-a	Domonate M. Dies	Domountable Dise
ype ze of Tire	Demountable Disc 15 x 6.50—4 Ply	Demountable Disc 15 x 6.50—4 Ply	Demountable Disc 15 x 7.00—4 Ply
ecommended Tire Pressure (Warm)—Front	26 lb	28 lb	28 lb
—Rear	28 lb	28 lb	28 lb
Real			
	210	01	2123
AR DIMENSIONS	2100 21	11 2103	2126 2106
to all a second	120" 120	0" 127"	148" 127"
	2081/6" 201	31/6" 2151/6"	2361/6" 2151/6"
heelbase verall Length Bumper to Bumper verall Height Loaded	208½" 208 63½" 633	3½" 215½" ½" 64"	236½" 215½" 64"

SHIPPING WEIGHTS

Model	Chassis Weight	Body Model	Body Type	Shipping Weigh
Clipper "6"				
2100	2340	1682	6-Passenger Sedan	3465
2100	2340	1685	6-Passenger Club Sedan	3465
Clipper "8"				
2101	2480	1692	6-Passenger Sedan	3575
2101	2480	1695	6-Passenger Club Sedan	3575
DeLuxe Clipper "8"				
2111	2480	1612	6-Passenger Sedan	3635
2111	2480	1615	6-Passenger Club Sedan	3635
Super Clipper				
2103	2790	1672	6-Passenger Sedan	3990
2103	2790	1675	6-Passenger Club Sedan	3990
2123		1670	8-Passenger Limousine	
2123		1671	8-Passenger Sedan	
Custom Super Clipper				
2106	2790	1622	6-Passenger Sedan	4065
2106	2790	1625	6-Passenger Club Sedan	4065
2126		1650	8-Passenger Limousine	
2126		1651	8-Passenger Sedan	

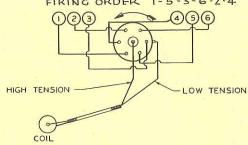
TRANSMISSION OVERDRIVE WIRING DIAGRAM

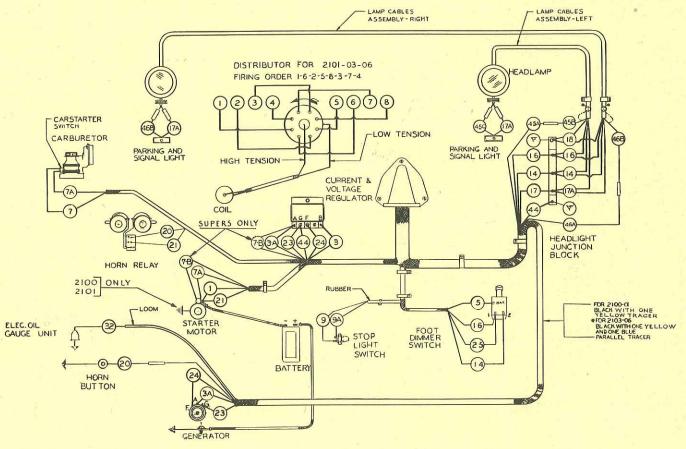


NO.	GAUGE	COLOR	LOCATION
50	12	Black	From Starter Motor Switch to Relay Post No. 1
51	14	Yellow	From Relay Post No. 3 to Solenoid Post No. 3
52	18	Brown	From Relay Post No. 4 to Overdrive Indicator Light
53	18	Brown	From Solenoid Post No. 7 to Indicator Light
54	12	Black	From Relay Post No. 4 to Solenoid Post No. 4
55	16	Green	From Relay Post No. 2 to Ignition Coil-Low Tension Post
56	14	Green	From Relay Post No. 6 to Solenoid Post No. 6
57	16	Black with Red Tracer	From Relay Post No. 5 to Overdrive Lockout Switch
58	16	Black with Red Tracer	From Kick Switch to Overdrive Lockout Switch
59	16	Black with Red Tracer	From Kick Switch to Governor Switch

CHASSIS WIRING DIAGRAM

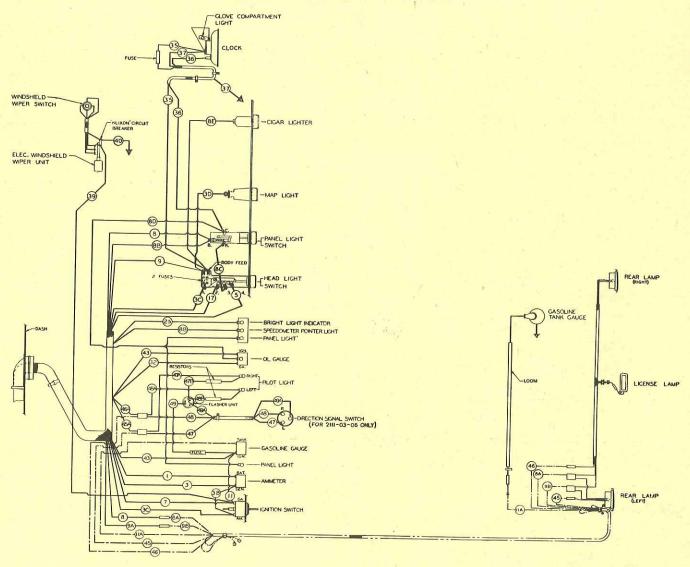
DISTRIBUTOR FOR 2100 FIRING ORDER 1-5-3-6-2-4





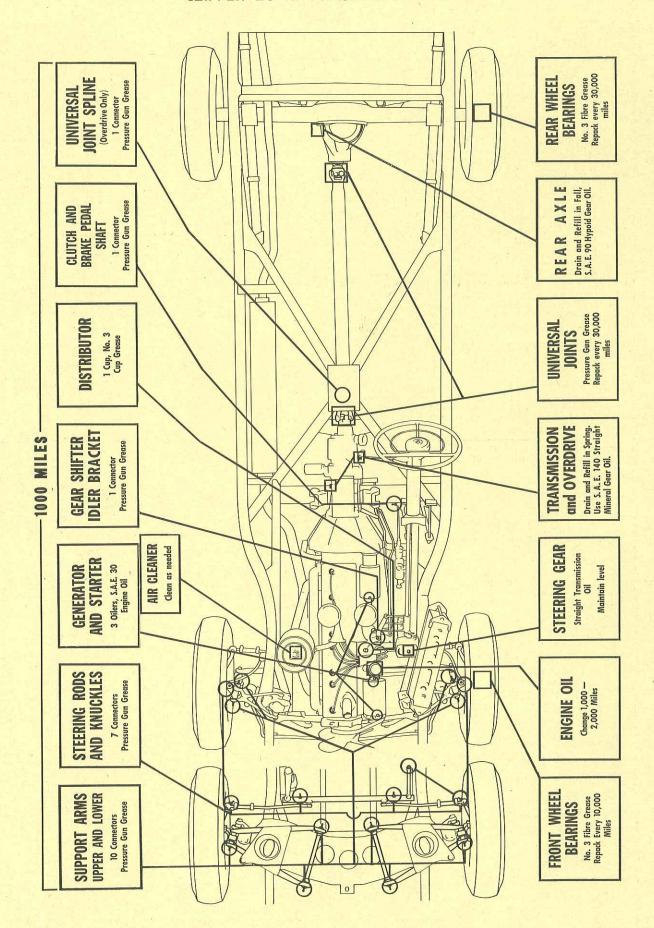
NO.	GAUGE	COLOR	LOCATION
1	10	Red	Starter Motor Switch to Ammeter
3	10	Black	Ammeter to Regulator
3A	10	Red	Generator to Regulator
3B	12	Black	Ammeter to Ignition Switch
3C	12	Black	Ignition Switch to Headlight Switch
3D	16	Black	Headlight Switch to Map Light
5	14	Black	Headlight Switch to Foot Dimmer Switch
7	16	Black	Ignition Switch to Car Starter Switch
7A	16	Black	Car Starter Switch to Starter Solenoid Switch
7B	16	Black	Starter Solenoid Switch to Voltage Regulator
8	16	Black	Panel Light Switch to Rear Wiring Harness
8A	16	Black	Front Harness to Rear Tail Lights
8B	16	Black	Panel Light Switch to Speedometer Pointer Light
8C	16	Black	Headlight Switch to Panel Light Switch
8D	16	Black	Panel Light Switch to Panel Lights
8E	14	Black	Cigar Lighter to Headlight Switch
9	16	Green	Headlight Switch to Stoplight Switch
9A	16	Green	Stoplight Switch to Rear Wiring Harness
9B	16	Green	Front Harness to Stoplights
11	16	Black	Ignition Switch to Gasoline Gauge (Instr.)
11A	18	Tan-with Black and Red Tracer	Gasoline Gauge (Instr.) to Gasoline Gauge (Tank)
14	14	Red	Foot Dimmer Switch to Headlight (City)
16	14	Green	Foot Dimmer Switch to Headlights (Drive)
17	16	Black with Red Tracer	Headlight Switch to Junction Block
17A	16	Blue	Junction Block to Parking Lights
17			Headlight Switch to Junction Block

BODY WIRING DIAGRAM



NO.	GAUGE	COLOR	LOCATION
18	14	Black	Headlights to Junction Block (Ground)
20	16	Brown	Horn Button to Horns
21	12	Black	Horns to Starter Motor Switch
23	14	Black	Generator to Voltage Regulator Ground
24	18	Brown	Generator to Voltage Regulator Field
25	18	White	Foot Dimmer Switch to Indicator Light
32	16	Yellow with Black Tracer	Oil Gauge Unit to Gauge
35	18	Red	Headlight Switch to Clock
36	18	Black	Panel Light Switch to Clock
37	18	White	Clock to Center Panel Screw (Lower Right)
39	16	Red	Ignition Switch to Electric Windshield Wiper Unit
40	16	Green	Electric Windshield Wiper Motor to Ground
43	16	Black	Gasoline Gauge to Oil Gauge
44	14	Black	Voltage Regulator to Junction Block (Ground)
45	16	Green with Black Tracer	Electrical Junction Connector to Rear Direction Signal Light (Left)
45A	16	Green with Black Tracer	Electrical Junction Connector to Lamp (Front Cable Assembly) (Left)
45B	16	White	Front Harness to Signal Lamp Cable (Left)
45C	16	Yellow	Lamp Front Cable to Signal Lamp (Left)
46	16	Yellow	Electrical Junction Connector to Rear Direction Signal Light (Right)
46A	16	Yellow	Electrical Junction Connector to Lamp (Front Cable Assembly) (Right)
46B	16	Yellow	Front Harness to Signal Light (Right)
47	18	Green with Black Tracer	Direction Signal Switch to Electrical Junction Connector
47A	18	Green with Black Tracer	Electrical Junction Connector to Pilot Light (Right)
47B	18	Green with Black Tracer	Pilot Light (Right) to Post "P" on Flasher Unit
48	18	Yellow	Direction Signal Switch to Electrical Junction Connector
48A	18	Yellow	Electrical Junction Connector to Pilot Light (Left)
48B	18	Yellow	Pilot Light (Left) to Post "P" on Flasher Unit
49	16	Black	Flasher Unit (Post "X") to Gasoline Gauge (Feed)
49A	18	Black	Flasher Unit (Post "L") to Direction Signal Switch

CLIPPER LUBRICATION DIAGRAM



MODELS	2100	2101-2111	2103-2106
ENGINE LUBRICATION			
Every 1000 to 2000 Miles			
Crankcase Capacity	5 qt	5½ qt	7 qt
Not lower than 32° F. above zero—S.A.E. 30 As low as 10° F. above zero—20W As low as 10° F. below zero—10W Below 10° F. below zero—10W Plus 10°			
Below 10° F. below zero—10W Plus 10% f average daylight temperature is above 90° F—S./			
CHASSIS LUBRICATION			
Every 1000 to 2000 Miles			
Knuckle Pins—Pressure Gun Grease	2 Lub. Connectors	2 Lub. Connectors	2 Lub. Connectors
Steering Connecting Rod—Pressure Gun Grease	2 Lub. Connectors	2 Lub. Connectors	2 Lub. Connectors
Steering Tie Rods—Pressure Gun Grease	2 Lub. Connectors	2 Lub, Connectors	2 Lub. Connectors
Universal Joint Spline Gun Grease—			
Overdrive Only	1 Lub. Connector	1 Lub. Connector	1 Lub. Connector
Generator—20W	2 Oilers	2 Oilers	2 Oilers
Starter Motor—20W	1 Oiler	1 Oiler	2 Oilers
Distributor—No. 3 Cup Grease	1 Cup	1 Cup	1 Cup
Clutch and Brake Pedal—Pressure Gun Grease	1 Lub. Connector	1 Lub. Connector	1 Lub. Connector
Gear Shift Idler Levers Bracket—Gun Grease	1 Lub. Connector	1 Lub. Connector	1 Lub. Connector
Steering Idler Lever—Gun Grease	1 Lub. Connector	1 Lub. Connector	1 Lub. Connector
Support Arm Pin, Inner—Gun Grease Support Arm Pin, Outer—Gun Grease	4 Lub. Connectors	4 Lub. Connectors	4 Lub. Connectors
Wheel Support Din Upper Con Control	2 Lub. Connectors	2 Lub. Connectors	2 Lub. Connectors
Wheel Support Pin Upper—Gun Grease	4 Lub. Connectors	4 Lub. Connectors	4 Lub. Connectors
Every 10,000 Miles			
	n i i		
Front Wheel Bearing—Fibre Grease	Repack 4 oz per Wheel	Repack 4 oz per Wheel	Repack 4 oz per Wheel
Every 30,000 Miles			
Rear Wheel Bearing—Fibre Grease	Repack 2 oz per Wheel	Repack 2 oz per Wheel	Papagle 2 on non Wil-
Universal Joints—Gun Grease	Repack	Repack 2 oz per w neer Repack	Repack 2 oz per Wheel Repack
			Repack
SEASONAL LUBRICATION			
Transmission			
Summer—S.A.E. 140 Straight			
Mineral Gear Oil	Designation of the contract of	D. I In	
Winter—S.A.E. 90 Straight	Drain and Refill—2 pt	Drain and Refill-2 pt	Drain and Refill—2 pt
Mineral Gear Oil	Designed Pacification	D. I. I.D. CH.	
Cransmission Overdrive Case	Drain and Refill—2 pt	Drain and Refill—2 pt	Drain and Refill-2 pt
Summer—S.A.E. 140 Straight			
Mineral Gear Oil	Designed Pocts	Dada - In cu	
Winter—S.A.E. 90 Straight	Drain and Refill-11/4 pt	Drain and Refill-11/4 pt	Drain and Refill—11/4 pt
Mineral Gear Oil	Drain and Refit 11/	Desir and P. Cit.	D
teering Gear	Drain and Refill-11/4 pt	Drain and Refill—1 1/4 pt	Drain and Refill—11/4 pt
Summer—S.A.E. 140 Straight			
Mineral Gear Oil	Drain and Refill-11 oz	Declaration I.P. CH. 44	
Winter—S.A.E. 90 Straight	Diam and Renn-11 oz	Drain and Refill—11 oz	Drain and Refill—11 oz
Mineral Gear Oil	Drain and Refill—11 oz	Designed Posts 11	D i In su
Rear Axle—Hypoid Gear Lubricant	Drain and Refill—4 pt	Drain and Refill—11 oz Drain and Refill—4 pt	Drain and Refill—11 oz Drain and Refill—6¾ pt

