

GROUP 14

ALPHABETICAL INDEX

A	Page		Page
Air Cleaner	3-4	Breaker Points	10-35
Clean and Replace	1-6	Brakes	9-1
Air Conditioner	11-19	Adjustment	9-15
Compressor	11-27	Bleeding	9-14
Service Procedures	11-37	Drum Inspection	9-19
Leak Testing	11-41	Drum Reboring & Balancing	9-20
Charging	11-66	Flushing, Filling System	9-14
Function Test	11-40	Master Cylinder Overhaul	9-21
Trouble Diagnosis	11-68	Operation, Service Brakes	9-7
Alignment		Parking Brake Adjustment	9-16
Front Wheels	7-20	Parking Brake Controls	9-3
Hood	12-1	Repair of Linings	9-18
Ammeter See Generator Indicator		Self Adjusting Brake	9-7
Antenna Installation, Radio	11-6	Shoe, Reline or Replace	9-18
Antenna Trimmer Adjustment	11-7	Specifications	9-1
Anti-Freeze	1-8	Testing, Trouble Diagnosis	9-10
Anti-Freeze Solutions, Testing	2-41	Wheel Cylinder	9-20
Automatic Choke Adjustment	3-21	Power Brake	9-23
Auto. Trans	5-1	Button, Horn	10-53
Description—Operation	5-2	Button Setting, Radio	11-8
Disassembly—Assembly	5-32		
General Specifications	5-1	C	
Tightening Specifications	5-2		
Axle Assembly, Rear	6-1		
Axle Shaft, Remove & Install	6-6		
B			
Back-Up Lamp & Switch	10-47	Camber, Check & Adjust	7-22
Balance, Brake Drum	9-20	Camshaft & Bearings	2-23
Balance, Wheel & Tire	7-14	Carburetor	
Ball Joint Replacement	7-12	Adjustment	3-19
Battery	10-5	Calibrations	3-1
Light Load Test	10-7	Carter 4-Barrel	3-38
Hydrometer Test	10-8	Rochester 2-Barrel	3-29
Inspection & Service	10-6	Throttle Linkage	3-4
Recharging	10-10	Throttle Linkage Adjustment	3-24
Registration & Care When New	10-5	Car Models	0-2
Specifications	10-1	Car Roughness or Vibration	7-7
Trouble Diagnosis	10-10	Caster, Check and Adjust	7-22
Battery Cables, Clean and Test	10-9	Charge Indicator See Generator Indicator	
Beam Indicator, Headlight	10-45	Chassis Lubrication	1-4
Bearing Adjustment, Front Wheels	7-15	Chassis Springs	7-19
Bearing Lubrication, Front Wheels	1-6	Replacement, Front	7-19
Bearing Replacement	V-6	Replacement, Rear	7-27
Connecting Rod	2-23	Trim Dimensions	7-20
Front Wheel	7-12	Chassis Wiring Diagram	10-108
Rear Wheel (Axle Shaft)	6-6	Choke, Automatic	3-21
		Chassis Suspension Specification	7-1
		Cigar Lighter	10-52
		Circuit Diagrams, Wiring	10-108
		Clock Electric	10-68

	Page	Page
Clutch, Synchronesh	4-1	
Clutch Specification	4-1	
Description	4-1	
Clutch Lash Adjustment	4-3	
Remove and Install	4-4	
Trouble Diagnosis	4-7	
Coil, Ignition Test	10-38	
Compressor, Air Conditioner		
Description	11-27	
Removal and Installation	11-43	
Disassembly and Reassembly of Clutch Drive Plate and Shaft Seal	11-43	
Disassembly and Reassembly of Pulley Assembly, and Coil and Housing Assembly	11-46	
Disassembly and Reassembly of Internal Parts of Compressor and Leak Testing Compressor	11-48	
Connecting Rods	V-6	V-8
Bearing Dimensions	2-4	2-41
Rod Replacement	2-23	2-59
Condenser Tests, Distributor	10-39	
Contact Points, Distributor		
Adjustment, Replacement	10-35	
Cooling System, Engine	V-6	V-8
Filling, Flushing	2-37	2-75
Prepare for Anti-Freeze	2-30	2-66
Cranking Motor	10-23	
Bench Test	10-27	
Repairs on Bench	10-28	
Specifications	10-2	
Voltage Test	10-26	
Cranking System	10-22	
Trouble Diagnosis	10-25	
Crankshaft & Bearings	V-6	V-8
Bearing Replacement	2-23	2-59
Dimensions	2-4	2-41
Cylinder Heads	V-6	V-8
Removal	2-14	2-50
Installation	2-15	2-51
Cylinder Reboring	2-29	2-64
D		
Defroster, Windshield	11-10	
Diagnosis, Trouble		
Air Conditioner	11-71	
Battery	10-10	
Brakes	9-1	
Power Brake	9-23	
Clutch	4-1	
Cranking System	10-22	
Engine	2-34	
Fuel System		3-16
Generating System		10-16
Heater—Defroster		10-17
Ignition System		10-30
Radio		11-1
Rear Axle		6-2
Shock Absorbers		7-11
Signal Systems		10-53
Steering Action		7-7
Steering Gear, Power & Pump		8-19
Steering Gear, Manual		8-3
Tires		7-7
Transmission—Auto		5-1
Transmission—Synchronesh		4-9
Differential		6-8
Dimmer Switch		10-45
Directional Signal Lamps & Switch		10-55
Lamp Circuits		10-57
Trouble Diagnosis		10-56
Distributor, Ignition		10-30
Advance Mechanism		10-32
Condenser Tests		10-39
Contact Points—Condenser, Replace		10-35
Dwell Angle Adjustment		10-35
Specifications		10-3
Timing		10-35
E		
	V-6	V-8
Engine	2-1	2-38
Cooling System	2-30	2-66
Cranking System		10-23
Dimensions, Adjustments, & Tolerances	2-3	2-41
Fuel System		3-3
Hard Starting		3-16
Identification		0-2
Ignition System		10-30
Mountings		2-71
Oil Recommendations		1-1
Specifications	2-1	2-10
Tune Care	2-5	2-49
Exhaust Pipes		3-9
Exhaust Manifold		3-9
F		
Flywheel & Ring Replacement		
Auto. Trans.		2-71
Synchronesh		2-71

	Page	I	Page
Front Shock Absorbers . . . See Shock Absorbers			
Front Springs See Chassis Springs			
Front Wheel Suspension	7-2		
Front Wheels			
Alignment	7-22		
Bearing Adjustment	7-15		
Bearing Replacement, Lubrication	7-15		
Runout	7-11		
Fuel Consumption, Excessive	3-17		
Fuel Filter	1-6		
Fuel Pump	3-26		
Inspection & Test	3-27		
Repairs	3-27		
Fuel System	3-3		
Trouble Diagnosis	3-16		
Fuse Specifications	10-4		
G			
Gasoline Filters & Strainers	3-19		
Gasoline Gauge	10-68		
Gasoline Tank Replacement	3-25		
Gear Shift Control Mechanism	4A-1		
Generator	10-12		
Repairs, on Bench	10-12		
Specifications	10-1		
Test, on Car	10-19		
Generator Indicator	10-66		
Generator Regulator	10-16		
Specifications	10-1		
Test & Adjust, on Car	10-19		
Generating System	10-16		
Trouble Diagnosis	10-17		
H			
Hard Starting	3-16		
Headlamps	10-45		
Aiming Adjustment	10-46		
Sealed Beam Unit, Replace	10-45		
Heater & Defroster	11-10		
Hood	12-1		
Horns, Relay & Button	10-53		
Adjustments	10-55		
Trouble Diagnosis	10-53		
Hydraulic Control System, Auto. Trans	5-23		
Hydraulic Valve Mechanism	2-14		
Hydraulic Valve Lifter Service	2-14		
Hydrometer Test of Battery	10-8		
Identification No., Vehicle	0-2		
Ignition Coil	10-30		
Specifications	10-3		
Tests	10-38		
Ignition Distributor	10-30		
Ignition System	10-30		
Trouble Diagnosis	10-33		
Ignition Switch	10-42		
Switch Replace, Lock Repairs	10-42		
Ignition Timing	10-35		
Indicator, Charge	10-66		
Indicator, Headlight Beam	10-45		
Indicator Lights			
Generator	10-66		
Oil Pressure	10-67		
Water Temperature	10-68		
Indicators, Direction Signal	10-55		
Inflation Pressures, Tire	1-3		
Intake Manifold	3-9		
K			
King Pin Inclination, Theoretical	7-23		
Knuckle, Steering, Replace	7-18		
L			
Lamp Bulb Specifications	10-4		
Lamps			
Back-Up	10-46		
Direction Signal	10-55		
Headlamps	10-44		
License, Rear	10-46		
Park, Signal, Tail, Stop	10-46		
Lash Adjustment, Clutch Pedal	4-3		
Light Load Test of Battery	10-7		
Lighters, Cigar	10-48		
Lights			
Headlights	10-44		
Direction Signal	10-55		
Linkage Steering	8-56		
Lower Control Arm, Rebush, Replace	7-20		
Lubrication	1-1		
Chassis	1-4		
Auto. Transmission	1-7		
Body	1-8		
Clutch Internal Parts	4-4		
Speedometer Cable	10-70		
Lubrication System, Engine	V-6	V-8	
Specifications	2-2	2-39	
Description	2-7	2-44	

M

Page

Maintenance	1-1
Manifold Intake	3-9
Exhaust	3-9
Master Cylinder, Brake	9-21
Filling	9-14
Overhaul	9-21
Models, Car	0-2
Muffler	3-9

N

Neutral Safety Switch	10-48
---------------------------------	-------

O

	<u>V-6</u>	<u>V-8</u>
Oil Consumption, Excessive	2-34	2-73
Oil Recommendation, Engine	1-1	
Oil Filter, Engine	2-7	2-44
Changing Element	1-4	
Oil Pressure Indicator Light	10-67	
Oil Pump, Engine	2-30	2-66
Repairs	2-32	2-68
Oil Pump, Steering	8-14	
Oil Seals, R. Wheel Bearings	6-8	

P

Parking Brake Controls	9-3	
Adjustment	9-16	
Parking Lamps	10-46	
Pedal Adjustment, Clutch	4-3	
Pinion Adjustment, Rear Axle	6-9	
Pinion Setting Gauges	6-10	
	<u>V-6</u>	<u>V-8</u>
Pistons, Pins, Rings	2-23	2-59
Dimensions	2-4	2-12
Replacement	2-28	2-62
Ring Fitting	2-28	2-62
Positive Crankcase Ventilator Valve		
Operation	3-20	
Maintenance	1-4	
Positive Traction Differential	6-16	
Propeller Shaft		
Assembly	6-23	
Balancing	6-28	
Installation	6-24	
Removal	6-22	
Trouble Diagnosis	6-21	

Page

	<u>V-6</u>	<u>V-8</u>
Pump, Fuel		3-26
Pump, Oil Engine	2-9	2-46
Repairs	2-32	2-68
Pump, Hydraulic Steering		8-14
Pump, Water	2-10	2-47
Push Button Setting, Radio		11-8

R

	<u>V-6</u>	<u>V-8</u>
Radiator	2-10	2-47
Radio		11-1
Adjustments on Car		11-7
Antenna Installation		11-6
Receiver Installation		11-6
Trouble Diagnosis		11-2
Rear Axle Assembly		6-9
Disassembly		6-6
Lubrication		1-7
Removal		6-6
Specifications		6-1
Trouble Diagnosis		6-4
Rear Universal Joint Angle		
Adjustment		6-24
Rear Wheel Bearing Replacement		6-7
Rear Wheel Suspension		7-3
Reboring Cylinders	2-29	2-64
Receiver Installation, Radio		11-6
Recharging Battery		10-10
Regulator, Generator		10-16
Relay, Horn		10-53
Release Mechanism, Clutch		4-1
Ring Gear & Pinion Replacement		6-9
Rings, Piston	See Piston Rings	
Rochester 2-Barrel Carburetor		3-29

S

Saginaw Oil Pump, Steering	8-14	
Sealed Beam Unit, Headlamp	10-45	
Serial Numbers, Car &		
Engine	See Identification No., Vehicle	
Sheet Metal, Chassis	12-1	
Shift Control, S-M Transmission	4A-1	
Super Turbine 300 Shift Adjustment	4A-1	
3-Speed Synchromesh Shift Adjustment	4A-3	
4-Speed Synchromesh Shift Adjustment	4A-7	
Signal Lamps	10-46	
Shock Absorbers, Replacement	7-18	
Solenoid Switch, Test, Adjust	10-27	
Specifications	10-3	
Spark Plugs	10-37	
Clean & Adjust	10-37	

	Page		Page
Specific Gravity, Battery	10-8	Thermo Circuit Breaker	10-45
Specifications		Thermostat	
Air Conditioner	11-19	Choke Adjustment	3-21
Battery	10-1	Radiator, Test	2-42
Brakes	9-1	Throttle Linkage	3-4
Car, General	0-6	Adjustment	3-24
Chassis Suspension	7-1	Tie Rods & Ends	8-56
Clutch	4-1	Tightening Specifications	
Cranking System	10-2	Brakes	9-1
Engine	2-1	Chassis Suspension	7-1
Front Wheel Alignment	7-25	Clutch	4-1
Fuel & Exhaust Systems	3-1	Engine	2-3
Generating Systems	10-1	Rear Axle	6-1
Ignition System	10-3	Steering Gear, Power	8-10
Lighting System	10-4	Steering Gear, Manual	8-1
Rear Axle	6-1	Transmission, Auto	5-1
Signal System (Horn, Lights, etc.)	10-4	Transmission, Synchromesh	4-9
Steering Gear, Power	8-10	4-Speed Transmission	4-26
Steering Gear Manual	8-1	Timing	
Steering Gear Lubrication	1-4	Ignition	10-35
Steering Linkage	8-56	Timing Chain Replacement	2-31
Transmission, Auto	5-1	Tires	7-8
Transmission, Synchromesh	4-9	Abnormal Wear	7-8
4-Speed Transmission	4-26	Inflation	7-1
Speedometer	10-70	Interchanging	7-14
Trouble Diagnosis	10-70	Runout	7-11
Springs, Chassis		Tires & Wheel Balance	7-14
Front	7-19	Toe-In, Front Wheels, Check & Adjust	7-24
Rear	7-27	Torque Converter	5-5
Stabilizer Link	7-14	Transmission, Synchromesh—3-Speed	4-9
Starter	10-22	Specifications	4-9
Steering Gear, Power	8-10	Disassembly, Assembly	4-16
Steering Gear, Manual	8-1	Lubrication	1-4
Steering Gear Lubrication	1-4	Removal & Installation	4-14
Steering Geometry (Turning Angles), Checking	7-25	Shift Control Mechanism	4A-1
Steering Knuckle, Replace	7-18	Trouble Diagnosis	4-22
Steering Linkage	8-56	Transmission, Synchromesh—4-Speed	4-26
Steering Wheel, Replace	8-5	Specifications	4-26
Stop Lights & Switch	10-46	Description	4-26
Suspension, Chassis	7-1	Removal & Installation	4-30
Switch		Disassembly & Assembly	4-31
Back Up Light	10-46	Trouble Diagnosis	4-38
Dimmer	10-45	Transmission Automatic	5-1
Direction Signal	10-55	Approved Oils	1-7
Ignition	10-30	Drain & Refill	1-7
Lighting	10-44	Specifications	5-1
Neutral Safety	10-48	Trim Dimensions, Chassis Spring	7-19
Stop Light	10-46	Trouble Diagnosis	See Diagnosis

T

Tail Lamps	10-46
Tank, Gasoline, Replacement	3-25

U

Universal Joint	6-20
---------------------------	------

V			W		
	Page			Page	
	<u>V-6</u>	<u>V-8</u>		<u>V-6</u>	<u>V-8</u>
Valve Mechanism, Engine	2-7	2-44	Water Pump	2-10	2-47
Guide Replacement	2-14	2-50	Wheel Alignment		7-21
Hydraulic Lifters	2-14	2-50	Wheel Bearing, Front, Adjust		7-15
Hydraulic Lifter Service	2-14	2-50	Wheel Bearing Lubrication, Front		1-7
Noise	2-34	2-73	Wheel Bearing Replacement, Front		7-15
Reconditioning Valves	2-14	2-50	Wheel Bearing Replacement, Rear		6-7
Specifications	2-1	2-38	Wheel Cylinder, Brake, Overhaul		9-21
Ventilator, Positive Crankcase			Wheel & Tire Balance		7-14
Operation		3-18	Wheel, Steering, Replace		8-5
Maintenance		1-4	Wheel Suspension		7-1
Voltage Regulator		10-16	Windshield Defroster		11-10
Voltage Test, Cranking Motor		10-26	Wiring, Circuit Diagrams		10-108