

GROUP 14

ALPHABETICAL INDEX

A		
Air Cleaner	3-4	
Clean and Replace	1-6	
Air Conditioner	11-20	
Compressor	11-30	
Service Procedures	11-51	
Evacuation, Leak Testing and Charging	11-61	
Function Test	11-62	
Trouble Diagnosis	11-62	
Alignment		
Front Wheels	7-20	
Hood	12-1	
Ammeter See Generator Indicator		
Antenna Installation, Radio	11-5	
Antenna Trimmer Adjustment	11-5	
Anti-Freeze	1-8	
Anti-Freeze Solutions, Testing	2-41	
Automatic Choke Adjustment	3-17	
Auto. Trans	5-1	
Description—Operation	5-2	
Disassembly—Assembly	5-40	
General Specifications	5-1	
Removal—Replacement	5-38	
Tightening Specifications	5-2	
Axle Assembly, Rear	6-2	
Axle Shaft, Remove & Install	6-6	
B		
Back-Up Lamp & Switch	10-50	
Balance, Brake Drum	9-20	
Balance, Wheel & Tire	7-13	
Ball Joint Replacement	7-15	
Battery	10-5	
Light Load Test	10-7	
Hydrometer Test	10-8	
Inspection & Service	10-6	
Recharging	10-10	
Registration & Care When New	10-5	
Specifications	10-1	
Trouble Diagnosis	10-10	
Battery Cables, Clean and Test	10-9	
Beam Indicator, Headlight	10-46	
Bearing Adjustment, Front Wheels	7-15	
Bearing Lubrication, Front Wheels	1-7	
Bearing Replacement		
Connecting Rod	2-36	
Crankshaft	2-34	
Differential	6-10	
Front Wheel	7-14	
Rear Wheel (Axle Shaft)	6-7	
Breaker Points	10-36	
Brakes	9-1	
Adjustment	9-15	
Bleeding	9-14	
Drum Inspection	9-19	
Drum Reboring & Balancing	9-19	
Flushing, Filling System	9-15	
Master Cylinder Overhaul	9-20	
Operation, Service Brakes	9-7	
Parking Brake Adjustment	9-16	
Parking Brake Controls	9-3	
Repair of Linings	9-19	
Self Adjusting Brake	9-7	
Shoe, Reline or Replace	9-16	
Specifications	9-1	
Testing, Trouble Diagnosis	9-10	
Wheel Cylinder	9-21	
Power Brake	9-22	
Button, Horn	10-55	
Button Setting, Radio	11-5	
C		
Camber, Check & Adjust	7-22	
Camshaft & Bearings	2-33	
Carburetor		
Adjustment	3-17	
Calibrations	3-1	
Rochester 2-Barrel	3-25	
Rochester 4-Barrel	3-33	
Throttle Linkage	3-4	
Throttle Linkage Adjustment	3-18	
Car Models	0-3	
Car Roughness or Vibration	7-6	
Caster, Check and Adjust	7-22	
Center Support Bearing	6-25	
Charge Indicator See Generator Indicator		
Chassis Lubrication	1-4	
Chassis Sheet Metal	12-3	
Chassis Springs	7-18	
Replacement, Front	7-18	
Replacement, Rear	7-19	
Trim Dimensions	7-18	
Chassis Wiring Diagram	10-105	
Choke, Automatic	3-18	
Chassis Suspension Specification	7-1	
Cigar Lighter	10-54	

	Page		Page
Circuit Diagrams, Wiring	10-89	Battery	10-10
Clock Electric	10-68	Brakes	9-1
Clutch, Synchronesh	4-1	Power Brake	9-22
Adjustment & Lubrication	4-4	Clutch	4-1
Inspect	4-6	Cranking System	10-26
Lubricate Internal Parts	4-5	Engine	2-17
Pedal Lash Adjustment	4-4	Fuel System	3-12
Release Mechanism	4-3	Generating System	10-18
Remove and Install	4-5	Heater—Defroster	11-12
Specifications	4-1	Ignition System	10-34
Trouble Diagnosis	4-3	Radio	11-1
Coil, Ignition Test	10-39	Rear Axle	6-2
Compressor, Air Conditioner		Shock Absorbers	7-10
Description	11-30	Signal Systems	10-55
Clutch and Seal Removal	11-37	Steering Action	7-6
Disassembly	11-42	Steering Gear, Power & Pump	8-10
Connecting Rods	2-9	Steering Gear, Manual	8-2
Bearing Dimensions	2-3	Tires	7-7
Bearing Replacement	2-33	Transmission—Auto	5-1
Rod Replacement	2-36	Transmission—Synchronesh	4-7
Condenser Tests, Distributor	10-40	Differential	6-8
Constant Velocity Universal Joint	6-21	Dimmer Switch	10-46
Contact Points, Distributor		Directional Signal Lamps & Switch	10-58
Adjustment, Replacement	10-36	Lamp Circuits	10-60
Cooling System, Engine	2-14	Switch Adjustment	10-59
Filling, Flushing	2-41	Trouble Diagnosis	10-59
Prepare for Anti-Freeze	2-41	Distributor, Ignition	10-31
Trouble Diagnosis	2-21	Advance Mechanism	10-33
Crankcase Ventilation	2-13	Condenser Tests	10-40
Cranking Motor	10-23	Contact Points—Condenser, Replace	10-36
Bench Test	10-28	Dwell Angle Adjustment	10-36
Repairs on Bench	10-29	Specifications	10-3
Specifications	10-2	Timing	10-37
Voltage Test	10-27		
Cranking System	10-23	E	
Trouble Diagnosis	10-26	Engine	2-1
Crankshaft & Bearings	2-9	Cooling System	2-14
Bearing Replacement	2-34	Cranking System	10-23
Dimensions	2-4	Dimensions, Fits, Adjustments	2-2
Oil Seal Replacement	2-30	Fuel & Exhaust System	3-4
Cylinder Crankcase	2-8	Hard Starting	3-12
Cylinder Heads	2-9	Identification	0-3
Removal	2-22	Ignition System	10-31
Installation	2-24	Lubrication System	2-12
Cylinder Reboring	2-37	Mountings	2-8
		Mounting Adjustment	2-47
D		Oil Recommendations	1-1
Damper, Differential Carrier	6-16	Specifications	2-1
Dash Pot & Throttle Linkage		Tune Care, Trouble Diagnosis	2-17
Adjustment	3-19	Ventilation System	2-13
Defroster, Windshield	11-12	Exhaust Pipes	3-9
Diagnosis, Trouble		Exhaust Manifold	3-9
Air Conditioner	11-62		

F	Page	I	Page
Flywheel & Ring Replacement		Identification No., Vehicle	0-3
Auto. Trans	2-47	Ignition Coil	10-31
Synchronesh	2-47	Specifications	10-2
Front Shock Absorbers	See Shock Absorbers	Tests	10-39
Front Springs	See Chassis Springs	Ignition Distributor	10-32
Front Wheel Suspension	7-1	Ignition System	10-31
Front Wheels		Trouble Diagnosis	10-34
Alignment	7-20	Ignition Switch	10-31
Bearing Adjustment	7-15	Switch Replace, Lock Repairs	10-44
Bearing Replacement, Lubrication	7-14	Ignition Timing	10-37
Runout	7-10	Indicator, Charge	10-62
Fuel Consumption, Excessive	3-13	Indicator, Headlight Beam	10-46
Fuel Filter	1-6	Indicator Lights	
Fuel Pump	3-21	Generator	10-62
Inspection & Test	3-22	Oil Pressure	10-62
Repairs	3-22	Water Temperature	10-63
Fuel System	3-4	Indicators, Direction Signal	10-58
Trouble Diagnosis	3-12	Inflation Pressures, Tire	1-3
Fuse Block	10-93	Intake Manifold	3-8
Fuse Specifications	10-4	Isolation Mounts	7-26
 G			
Gasoline Filters & Strainers	3-15	 K	
Gasoline Gauge	10-68	King Pin Inclination, Theoretical	7-22
Gasoline Tank Replacement	3-20	Knuckle, Steering, Replace	7-17
Gear Shift Control Mechanism	4-10	 L	
Generator	10-12	Lamp Bulb Specifications	10-4
Repairs, on Bench	10-12	Lamps	
Specifications	10-1	Back-Up	10-48
Test, on Car	10-19	Direction Signal	10-58
Generator Indicator	10-62	Headlamps	10-45
Generator Regulator	10-15	License, Rear	10-50
Specifications	10-1	Park, Signal, Tail, Stop	10-48
Test & Adjust, on Car	10-19	Lash Adjustment, Clutch Pedal	4-4
Generating System	10-16	Light Load Test of Battery	10-7
Trouble Diagnosis	10-18	Lighters, Cigar	10-54
Guide T-3 Aimer	10-46	Lights	
 H			
Hard Starting	3-12	Headlights	10-45
Headlamps	10-45	Direction Signal	10-58
Aiming Adjustment	10-46	Linkage Steering	8-51
Sealed Beam Unit, Replace	10-46	Lower Control Arm, Rebush, Replace	7-20
Heater & Defroster	11-12	Lubrication	1-1
Hood	12-1	Chassis	1-4
Horns, Relay & Button	10-55	Auto. Transmission	1-7
Adjustments	10-57	Body	1-8
Trouble Diagnosis	10-55	Clutch Internal Parts	4-5
Hydraulic Control System, Auto. Trans	5-23	Speedometer Cable	10-69
Hydraulic Valve Mechanism	2-10	Lubrication System, Engine	2-12
Hydraulic Valve Lifter Service	2-27	Specifications	2-1
Hydrometer Test of Battery	10-8		

M	Page		Page
Maintenance	1-1	Pump, Water	2-14
Manifold Intake	3-8	Repairs	2-43
Exhaust	3-8	Push Button Setting, Radio	11-5
Master Cylinder, Brake	9-20		
Filling	9-14	R	
Overhaul	9-20	Radiator	2-14
Models, Car	0-3	Thermostat Test	2-42
Mountings, Engine	2-8	Radio	11-1
Adjustment	2-47	Adjustments on Car	11-5
Muffler	3-9	Antenna Installation	11-5
		Receiver Installation	11-4
N		Trouble Diagnosis	11-2
Neutral Safety Switch	10-51	Rear Axle Assembly	6-1
		Disassembly	6-6
O		Lubrication	1-7
Oil Consumption, Excessive	2-18	Removal	6-6
Oil Recommendation, Engine	1-1	Specifications	6-1
Oil Filter, Engine	2-13	Trouble Diagnosis	6-4
Changing Element	1-4	Rear Universal Joint Angle	
Oil Pressure Indicator Light	10-62	Adjustment	6-33
Oil Pump, Engine	2-12	Rear Wheel Bearing Replacement	6-8
Repairs	2-44	Rear Wheel Suspension	7-4
Oil Pump, Steering	8-13	Reboring Cylinders	2-37
Oil Seals, R. Wheel Bearings	6-8	Receiver Installation, Radio	11-4
		Recharging Battery	10-10
P		Regulator, Generator	10-15
Parking Brake Controls	9-3	Relay, Horn	10-55
Adjustment	9-17	Release Mechanism, Clutch	4-3
Parking Lamps	10-48	Ring Gear & Pinion Marks	6-12
Pedal Adjustment, Clutch	4-4	Ring Gear & Pinion Replacement	6-14
Pinion Adjustment, Rear Axle	6-14	Rings, Piston See Piston Rings	
Pinion Setting Gauges	6-14	Rochester 2-Barrel Carburetor	3-25
Pistons, Pins, Rings	2-36	Rocker Arms, Replacement	2-24
Dimensions	2-2		
Replacement	2-36	S	
Ring Fitting	2-38	Saginaw Oil Pump, Steering	8-13
Positive Crankcase Ventilator Valve		Sealed Beam Unit, Headlamp	10-46
Operation	3-16	Seat Belts	11-72
Maintenance	1-4	Serial Numbers, Car &	
Positive Traction Differential	6-17	Engine See Identification No., Vehicle	
Propeller Shaft		Sheet Metal, Chassis	12-1
Assembly	6-29	Shift Control, S-M Transmission	4-10
Balancing	6-35	Signal Lamps	10-58
Installation	6-32	Shock Absorbers, Replacement	7-18
Removal	6-24	Solenoid Switch, Test, Adjust	10-27
Trouble Diagnosis	6-22	Specifications	10-2
Pump, Fuel	3-21	Spark Plugs	10-38
Pump, Oil Engine	2-12	Clean & Adjust	10-39
Repairs	2-44	Specific Gravity, Battery	10-8
Pump, Hydraulic Steering	8-13		

	Page		Page
Specifications		Thermostat	
Air Conditioner	11-20	Choke Adjustment	3-17
Battery	10-1	Radiator, Test	2-42
Brakes	9-1	Throttle Linkage	3-4
Car, General	0-3	Adjustment	3-18
Chassis Suspension	7-1	Tie Rods & Ends	8-51
Clutch	4-1	Tightening Specifications	
Cranking System	10-2	Brakes	9-1
Engine	2-1	Chassis Suspension	7-1
Front Wheel Alignment	7-20	Clutch	4-1
Fuel & Exhaust Systems	3-1	Engine	2-1
Generating Systems	10-1	Rear Axle	6-1
Ignition System	10-2	Steering Gear, Power	8-11
Lighting System	10-3	Steering Gear, Manual	8-2
Rear Axle	6-1	Transmission, Auto.	5-2
Signal System (Horn, Lights, etc.)	10-4	Transmission, Synchromesh	4-7
Steering Gear, Power	8-11	4-Speed Transmission	4-23
Steering Gear Manual	8-2	Timing	
Steering Gear Lubricare	1-4	Camshaft	2-30
Steering Linkage	8-51	Ignition	10-37
Transmission, Auto.	5-1	Timing Chain Replacement	2-31
Transmission, Synchromesh	4-7	Tires	7-7
4-Speed Transmission	4-23	Abnormal Wear	7-7
Speedometer	10-69	Inflation	1-3
Gears	4-7	Interchanging	7-13
Trouble Diagnosis	10-70	Runout	7-10
Springs, Chassis	7-18	Tires & Wheel Balance	7-13
Stabilizer Link	7-14	Toe-In, Front Wheels, Check & Adjust	7-24
Starter	10-25	Torque Converter	5-5
Steering Gear, Power	8-11	Transmission, Synchromesh—3-Speed	4-7
Steering Gear, Manual	8-2	Disassembly, Assembly	4-13
Steering Gear Lubricare	1-5	Lubrication	1-4
Steering Geometry (Turning Angles), Checking	7-24	Removal & Installation	4-13
Steering Knuckle, Replace	7-17	Shift Control Mechanism	4-11
Steering Linkage	8-51	Specifications	4-7
Steering Wheel, Replace	8-5	Trouble Diagnosis	4-12
Stop Lights & Switch	10-49	Transmission, Automatic	5-1
Suspension, Chassis	7-1	Approved Oils	1-7
Switch		Drain & Refill	1-7
Back Up Light	10-50	Installation of Assembly	5-39
Dimmer	10-46	Manual Control	5-2
Direction Signal	10-58	Manual Control Linkage Adjust	5-36
Ignition	10-31	Removal of Assembly	5-38
Lighting	10-45	Specifications	5-1
Neutral Safety	10-51	Towing Disabled Car	5-3
Stop Light	10-48	Road Test	5-36
		Trim Dimensions, Chassis Spring	7-18
		Trouble Diagnosis	See Diagnosis

T

Tail Lamps	10-48
Tank, Gasoline, Replacement	3-20
Thermo Circuit Breaker	10-45

U

Universal Joint	
Front	6-28
Rear	6-28
Angle Adjustment	6-33

V	Page	W	Page
Valve Mechanism, Engine	2-10	Warranty	0-2
Checking Timing	2-31	Water Pump	2-13
Guide Replacement	2-22	Repairs	2-43
Hydraulic Lifters	2-10	Wheel Alignment	7-20
Hydraulic Lifter Service	2-27	Wheel Bearing, Front, Adjust	7-15
Noise	2-19	Wheel Bearing Lubrication, Front	1-7
Reconditioning Valves	2-22	Wheel Bearing Replacement, Front	7-14
Specifications	2-2	Wheel Bearing Replacement, Rear	6-7
Ventilation, Crankcase	2-13	Wheel Cylinder, Brake, Overhaul	9-21
Ventilator, Outside Air	11-18	Wheel & Tire Balance	7-13
Ventilator, Positive Crankcase		Wheel, Steering, Replace	8-5
Operation	3-16	Wheel Suspension	7-1
Maintenance	1-4	Windshield Defroster	11-12
Voltage Regulator	10-19	Wiring, Circuit Diagrams	10-105
Voltage Test, Cranking Motor	10-27		