

CONTENTS

Introduction	2	Steering Rods and Ball Joints	122
		Idler Arm Bracket	122
Section I. General Data			
Specifications	3		
Main Adjustment and Check Data	5		
Fuels, Lubricants and Fluids	5		
Section II. Engine			
Trouble Shooting	8		
Engine Removal and Installation	11		
Engine Disassembly	12		
Engine Assembly	14		
Engine Stand Tests	17		
Engine Checkover on Car	17		
Cylinder Block	17		
Pistons and Connecting Rods	19		
Crankshaft and Flywheel	23		
Cylinder Head and Valve Gear	25		
Camshaft and Drive	29		
Cooling System	32		
Lubricating System	35		
Crankcase Breathing System	38		
Fuel System	39		
Exhaust System	52		
Section III. Power Train			
Clutch	53		
Gearbox	59		
Transfer Case	70		
Propeller Shaft Drive	77		
Rear Axle	81		
Front Axle	95		
Front Wheel Drive	97		
Section IV. Running Gear			
Trouble Shooting	100		
Front Suspension	102		
Rear Suspension	110		
Shock Absorbers	112		
Section V. Steering Gear			
Trouble Shooting	115		
Inspection, Checks and Adjustment	117		
Steering Mechanism	118		
Section VI. Brakes			
Trouble Shooting	124		
Checks and Adjustment	126		
Clutch and Brake Pedal Bracket	130		
Vacuum Booster	131		
Brake Master Cylinder	131		
Front Brakes	132		
Rear Brakes	134		
Rear Brake Pressure Regulator	136		
Parking Brake	138		
Section VII. Electrical Equipment			
General	138		
Storage Battery	140		
Alternator	142		
Voltage Regulator	147		
Battery No-Charge Warning Lamp Relay	150		
Starter	150		
Ignition System	155		
Lighting and Light Signalling System	160		
Horns	164		
Windshield Wiper	164		
Headlight Wiper	167		
Heater Motor	167		
Instruments	168		
Section VIII. Body			
Trouble Shooting	173		
Body and Its Elements	174		
Body Paint Coating	178		
Anticorrosive Treatment of Body	179		
Doors	183		
Hood, Bumpers	186		
Window Glasses, Windshield and Headlight Washers	187		
Instrument Panel	189		
Seats	190		
Heater	190		