
JX55, JX65, JX75, JX85, JX95 REPAIR MANUAL COMPLETE CONTENTS

SECTION 00 - GENERAL	2
SECTION 10 - ENGINE	2
SECTION 18 - CLUTCH	5
SECTION 21 - FRONT TRANSMISSION	7
SECTION 23 - MFD TRANSFER BOX	8
SECTION 25 - MFD AXLE	10
SECTION 27 - REAR TRANSMISSION	12
SECTION 31 - POWER TAKE-OFF	13
SECTION 33 - BRAKES	14
SECTION 35 - HYDRAULIC SYSTEMS	15
SECTION 41 - STEERING	17
SECTION 44 - FRONT AXLE AND WHEELS (2WD)	18
SECTION 55 - ELECTRICAL SYSTEM	21
SECTION 90 - PLATFORM, CAB, BODYWORK AND DECALS	27

The following pages are the collation of the contents pages from each section and chapter of the JX Tractor Repair manual. Complete Repair part # 87060401.

The sections used through out all Case IH product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

The sections listed above are the sections utilized for the JX Tractors.

SECTION 00 - GENERAL

BOOK 1 - 87060402

Chapter 1 - General

CONTENTS

Section	Description	Page
	General Instructions	3
	Health and Safety	5
	Precautionary Statements	15
	Safety	16
	Ecology and the Environment	19
	Minimum Hardware Tightening Torques	20
	Federal Emissions Warranty	22
	California Emission Control Warranty Statement	23
	Consumables	25

SECTION 10 - ENGINE

BOOK 1 - 87060402

Chapter 1 - Engines Before PIN HFJ013287

CONTENTS

Section	Description	Page
	Specifications	3
	Tightening Torques	14
	Special Tools	15
	Troubleshooting	25
	Overhaul	29
	Engine	29
	Removal	29
	Installation	41
	Compression Test	43
	Compression Ratio	43
	Disassembly	44
	Assembly	59
	Checks, Dimensions and Repairs	69

SECTION 10 - ENGINE

BOOK 1 - 87060402

Chapter 1 - Engines Before PIN HFJ013287 (Continued)

CONTENTS

Section	Description	Page
	Cylinder Block and Liners	69
	Crankshaft, Main Bearings and Flywheel	71
	Connecting Rods	75
	Pistons	76
	Camshaft, Tappets and Valves	79
	Cylinder Head	82
	Rotating Counterweight Dynamic Balancer (JX75, JX85, and JX95 Models)	83
	Engine Lubrication Components	84
	Oil Pump	84
	Oil Filter	85
	Low Oil Pressure Indicator	85
	Cooling System	85
	Radiators	85
	Valve Guides	86
	Valve Seats in Cylinder Head	89
	Crankshaft Front Oil Seal	90
	Removal	90
	Installation	95
	Valve Clearance	96
	Adjustment	96
	Coolant Pump and Alternator Drive Belt	99
	Tension Adjustment	99
	Water Pump	100
	Removal	100
	Disassembly	103
	Assembly	103
	Installation	104
	Cooling System Thermostat	104
	Removal	104
	Installation	107
	Radiator	108
	Removal	108
	Installation	111

SECTION 10 - ENGINE

BOOK 1 - 87060402

Chapter 2 - Fuel Injection on Engines Before PIN HFJ013287

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	4
	Special Tools	4
	Injector Sleeves	5
	Checking Injector Protrusion	5
	Removal	5
	Installation	5
	Fuel Injectors	7
	Removal	7
	Installation	8
	Bosch Injection Pump	9
	Removal	9
	Installation	13
	Timing	14
	Air Bleeding	16

SECTION 10 - ENGINE

BOOK 1 - 87060402

Chapter 3 - Engines After PIN HFJ013287 (Tier II Emissionized)

CONTENTS

Section	Description	Page
	Specifications	3
	Tightening Torques	15
	Special Tools	16
	Sectional Views and Diagrams	20
	Troubleshooting	27

SECTION 10 - ENGINE

BOOK 1 - 87060402

Chapter 3 - Engines After PIN HFJ013287 (Tier II Emissionized) (Continued)

CONTENTS

Section	Description	Page
	Overhaul	31
	Engine	31
	Removal	31
	Installation	43
	Disassembly	45
	Assembly	60
	Compression Test	70
	Checks, Dimensions and Repairs	71
	Cylinder Block and Liners	71
	Crankshaft, Main Bearings and Flywheel	73
	Connecting Rods	77
	Pistons	78
	Camshaft, Tappets and Valves	81
	Cylinder Head	84
	Rotating Counterweight Dynamic Balancer (JX75, JX85 and JX95 models)	85
	Engine Lubrication Components	86
	Oil Pump	86
	Oil Filter	87
	Low Oil Pressure Indicator	87
	Cooling System	87
	Radiator	87
	Valve Guides	88
	Valve Seats in Cylinder Head	91
	Crankshaft Front Oil Seal	92
	Removal	92
	Installation	97
	Valve Clearance	98
	Adjustment	98
	Engine Component Overhaul	101
	Coolant Pump and Alternator Drive Belt	101
	Tension Adjustment	101
	Water Pump	102

SECTION 10 - ENGINE

BOOK 1 - 87060402

Chapter 3 - Engines After PIN HFJ013287 (Tier II Emissionized) (Continued)

CONTENTS

Section	Description	Page
	Removal	102
	Disassembly	105
	Assembly	105
	Installation	106
	Cooling System Thermostat	106
	Removal	106
	Testing	109
	Installation	109
	Radiator	110
	Removal	110
	Installation	113
	Fuel Injector Sleeves	114
	Checking Injector Protrusion	114
	Removal	114
	Installation	115
	Fuel Injectors	116
	Removal	116
	Installation	117
	Bosch Injection Pump	118
	Removal	118
	Pump Lock Timing Procedure	123
	Installation	128
	Timing the Injection Pump on the Tractor	129
	Air Bleeding	131
	Fuel Circuit Air Bleeding	132
	Turbocharged Diesel Engine	133
	Manifold Pressure Compensation	133
	Manifold Pressure Compensator (LDA)	133
	Description	133
	Operation	134
	Cold Start Compensation	135
	Mechanical Cold-start Accelerator (KSB) - All Models	135
	Description	135
	Operation	135

SECTION 18 - CLUTCH

BOOK 2 - 87060403

Chapter 1 - Clutch

CONTENTS

Section	Description	Page
	Specifications	2
	Clutches	2
	Main Clutch (11"/11") (Models JX55, JX65, JX75, and JX85)	2
	Main Clutch (12"/12") (Model JX95)	3
	Tightening Torques	4
	Special Tools	4
	Sectional Views	5
	VALEO Clutches (11"/11" and 12"/12")	5
	LUK Clutches (11"/11" and 12"/12")	6
	Troubleshooting	7
	Overhaul	8
	11"/11" and 12"/12" Clutches	8
	Removal	8
	Installation	15
	Disassembly	16
	Assembly	19
	Checks, Measurements and Repairs	20
	Dimensions of the VALEO 11"/11" Dual Clutch	20
	Dimensions of the LUK 11"/11" Dual Clutch	20
	Dimensions of the VALEO 12"/12" Dual Clutch	20
	Dimensions of the LUK 12"/12" Dual Clutch	20
	Minimum Permissible Dimensions After Refacing 11"/11" and 12"/12" Dual Clutches	20
	VALEO 11" Flywheel	21
	LUK 11" Flywheel	21
	VALEO 12" Flywheel	21
	LUK 12" Flywheel	21
	Clutch Release Lever Coplanarity Adjustment	22
	Main Clutch Control Linkage Adjustment	23
	PTO Clutch Linkage Adjustment	23

SECTION 21 - FRONT TRANSMISSION

BOOK 2 - 87060403

Chapter 1 - 12 x 12 Transmission with Synchronized Mechanical Shuttle
--

CONTENTS

Section	Description	Page
	Specifications	2
	Synchronizer Reverser	2
	Gearbox/Reduction Unit	2
	Torque Values	3
	Special Tools	4
	Sectional Views	4
	Description and Operation	6
	Synchronizer Reverser Troubleshooting	6
	Overhaul	7
	Clutch-Reverser Casing	7
	Disassembly	7
	Assembly	11

SECTION 21 - FRONT TRANSMISSION

BOOK 2 - 87060403

<h3>Chapter 2 - 20 x 12 Transmission with Synchronized Mechanical Shuttle and Creeper</h3>
--

CONTENTS

Section	Description	Page
	Specifications	2
	Synchronizer Reverser-Creeper Unit	2
	Creeper Unit	2
	Gearbox	2
	Torque Values	3
	Special Tools	4
	Sectional Views	5
	Description and Operation	7
	Troubleshooting	7
	Overhaul	8
	Clutch Casing-Synchronizer Reverser and Creeper Unit	8
	Disassembly	8
	Assembly	13

SECTION 23 - MFD TRANSFER BOX

BOOK 2 - 87060403

Chapter 1 - MFD Transfer Box

CONTENTS

Section	Description	Page
	Specifications	2
	Drive Shaft	2
	Tightening Torques	3
	Special Tools	3
	Description and Operation	4
	Sectional Views	4
	Overhaul	5
	Transmission Shafts and Guard	5
	Disassembly	5
	Assembly	5
	Drive Gear Housing Assembly	6
	Removal	6
	Installation	7
	Transfer Box, Unit Removed	8
	Disassembly	8
	Assembly	9

SECTION 25 - MFD AXLE

BOOK 2 - 87060403

Chapter 1 - Front Mechanical Axle

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	5
	Special Tools	7
	Description of Operation	8
	Sectional Views	8

SECTION 25 - MFD AXLE

BOOK 2 - 87060403

Chapter 1 - Front Mechanical Axle (Continued)

CONTENTS

Section	Description	Page
	Overhaul	11
	Complete Front Axle Assembly	11
	Removal	11
	Installation	14
	Front Axle - JX55 and JX65 Models	15
	Removal	15
	Installation	15
	Front Axle - JX75, JX85, and JX95 Models	16
	Removal	16
	Installation	24
	Steering Knuckle Pins and Bearings	25
	Replacement	25
	Front Axle Differential	26
	Backlash Between Side and Planetary Pinion Teeth	26
	Limited-Slip, Self-locking Differential Lock	27
	Operation	27
	Front Axle Differential With Limited-slip Unit	27
	Removal	27
	Disassembly	28
	Assembly	28
	Front Axle Differential With No Spin	31
	Removal	31
	Disassembly	31
	Assembly	31
	Adjustments	32
	Stub Axle	32
	Wheel Hub Bearing	34
	Adjustment of the Preload of the Pinion Shaft Bearings	35
	Determining the Thickness of the Drive Pinion Position Adjustment Shim	36
	Adjustment of the Differential Bearings and Checking the Backlash Between the Pinion and Differential	38
	Toe-in Adjustment	41

SECTION 27 - REAR TRANSMISSION

BOOK 2 - 87060403

Chapter 1 - Rear Axle and Transmission

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	4
	Special Tools	6
	Description of Operation	7
	Sectional Views	7
	Troubleshooting	10
	Pinion and Differential	10
	Final Drives	10
	Overhaul	11
	Rear Axle Transmission - Gearbox Case	11
	Removal	11
	Installation	28
	Transmission-Gearbox Case	29
	Disassembly	29
	Assembly	33
	Adjustments	36
	Gearbox Driving Shaft Axial Clearance	36
	Differential Lock Engagement Sleeve Position Adjustment	37
	Pinion Shaft Positioning Adjustment Ring	38
	Taper-Roller Bearings for Pinion Shaft	40
	Differential Bearings and Backlash of Ring and Pinion Teeth	41
	Differential Planetary and Side Gear Backlash	43

SECTION 31 - POWER TAKE-OFF

BOOK 3 - 87060404

Chapter 1 - Power Take-Off

CONTENTS

Section	Description	Page
	Specifications	2
	Special Tools	4
	Tightening Torques	5
	Description of Operation	6
	Sectional Views	6
	Troubleshooting	10
	Overhaul	11
	540/750 Mechanical PTO	11
	Removal	11
	Installation	14
	Disassembly	15
	Assembly	17

SECTION 33 - BRAKES

BOOK 3 - 87060404

Chapter 1 - Brakes

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	3
	Description of Operation	4
	Sectional Views	4
	Special Tools	6
	Troubleshooting	7
	Overhaul	8
	Right Hand or Left Hand Brake (Service Brakes)	8
	Removal	8
	Installation	11
	Front Brake Master Cylinder (Optional)	13
	Removal	13
	Installation	14
	Air Bleeding (Optional)	15
	Adjustments	16
	Height of Service Brake Pedals	16
	Hand Brake Control Travel	17

SECTION 35 - HYDRAULIC SYSTEMS

BOOK 3 - 87060404

Chapter 1 - Hydraulic Systems

CONTENTS

Section	Description	Page
	Precautionary Statements	2
	Hydraulic System - Description and Operation	3
	Table 1. Hydraulic Oil Specification	5
	Table 2. Hydraulic System Configuration	5
	Hydraulic System Diagrams	6
	Auxiliary (Rear) Control Valves	8
	Double-Acting Cylinder Lift Phase	8
	Double-Acting Cylinder Lower Phase	8
	Single-Acting Cylinder Lift Phase	8
	Single-Acting Cylinder Lower Phase	9
	Double-Acting Cylinder with Automatic Detent Release Lift Phase	9
	Double-Acting Cylinder with Automatic Detent Release Lower Phase	10
	Rear Remote Valve Control Levers	10
	Table 3. Control Lever Positions	11
	Quick-Release Couplers	11
	Switching Between Single and Double Acting Cylinders	12
	Mechanically Controlled Hydraulic Lift	12
	Fast Raise/Lower Control Device	12
	Principles of Draft Control	13
	Principles of Position Control	13
	Principles of Float	14
	Principles of Draft and Position Control Combined	14
	Hydraulic Lift Oil Flow (Lift Phase)	15
	Hydraulic Lift Oil Flow (Neutral Phase)	16
	Hydraulic Lift Oil Flow (Lowering Phase)	17
	Three-Point Hitch (Category I and II)	18

SECTION 35 - HYDRAULIC SYSTEMS

BOOK 3 - 87060404

Chapter 2 - Hydraulic System Overhaul

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	7
	Special Tools	8
	Sectional Views	9
	Troubleshooting	12
	Overhaul	14
	Mechanically Controlled Hydraulic Lift	14
	Removal	14
	Installation	15
	Disassembly	21
	Assembly	23
	Adjustments	26
	Lift Pressure Relief Valve	34
	Installation	34
	Calibration	34
	Lift Control Valve Block	36
	Disassembly	36
	Assembly	40
	High-pressure (Lift) Pump	41
	Disassembly	41
	Inspection and Repair	41
	Assembly	42
	Convertible Single/Double Acting Auxiliary Control Valve	43
	Disassembly	43
	Assembly	44

SECTION 41 - STEERING

BOOK 3 - 87060404

Chapter 1 - Steering

CONTENTS

Section	Description	Page
	Specifications	2
	Hydraulic Pump C25	3
	Torque Settings	4
	Special Tools	4
	Components	5
	Description and Operation	8
	Hydrostatic Power Steering (2WD)	8
	Hydrostatic Power Steering (MFD)	10
	Operation	12
	Steering Right	12
	Steering Left	12
	Manual Steering to Right	12
	Manual Steering to Left	12
	Hydrostatic Steering Control Valve	13
	Removal	13
	Installation	16
41 204 34	Disassembly	17
	Assembly	22
	Steering Control Valve Testing	31
41 206 20	Hydrostatic Steering Pump	34
	Disassembly	34
	Assembly	34
	Steering Cylinder (2WD)	35
	Removal	35
	Installation	35
	Steering Cylinder (MFD)	36
	Removal	36

SECTION 44 - FRONT AXLE AND WHEELS (2WD)

BOOK 3 - 87060404

Chapter 1 - Axle and Wheels

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	5
	Special Tools	6
	Troubleshooting	6
	Overhaul	7
	Front Axle	7
	Removal	7
	Installation	9
	Axle Wheel Hub	10
	Removal	10
	Installation	12
	Stub Axle	13
	Removal	13
	Installation	15
	Adjustments	17
	Toe-in	17

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 1 - Instrument Cluster

CONTENTS

Section	Description	Page
	Instrument Cluster Description	2
	Analog Instrument Panel	2
	Warning and Indicator Lights	3
	Fuel Level Gauge	4
	Tachometer and Hourmeter	4
	Engine Coolant Temperature Gauge	4

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 2 - Components

CONTENTS

Section	Description	Page
	Electrical Components Description	2
	Instrument Console Controls	2
	Lights Control Lever	2
	Rear Hood Controls	2
	Starter Switch	2
	Cab Controls	3
	Fender Mounted Controls	3
	Heating and Air Conditioning Controls	4
	Radio (where applicable)	4
	Transmitters and Switches	5
	Description	5
	Locations	6

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 3 - Starting System

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	2
	Description and Operation	3
	Overhaul	5
	Starting System Test on Tractor	5
	Power Absorption in Starter Motor Circuit	5
	Resistance in Ignition System Circuit (Voltage Drop)	6
	Battery Positive Cable Check	6
	Starter Motor Ground Lead Check	7
	Battery Ground Cable Check	7
55 201 50	Starter Motor	7
	Removal	7
	Installation	7
55 201 54	Disassembly	8
	Assembly	9
	Starter Motor Tests and Inspections	9
	Armature Shaft End-Play	9
	Starter Motor Test Without Load	10
	Armature	10
	Field Windings	11
	Bearing Bushings	11
	Driving Pinion	11

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 4 - Charging System

CONTENTS

Section	Description	Page
	Specifications	2
	Tightening Torques	2
	Description and Operation	3
	Troubleshooting	5
	Precautions	5
	Preliminary Checks	5
	Tests and Checks	6
	Alternator Wire Connections	7
	Charging Current and Regulated Voltage	8
	Charging Circuit Voltage Drop	9
	Alternator Maximum Output	10
	Overhaul	12
	Alternator	12
	Removal	12
	Disassembly	13
	Alternator Component Testing	14
	Assembly	21
	Repair	21
	Installation	22

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 5 - Battery

CONTENTS

Section	Description	Page
	Specifications	2
	Troubleshooting	2
	Description and Operation	3
	Overhaul	4
	Battery	4
	Removal	4
	Installation	4
	Battery Maintenance	5
	Relative Density	5
	Precautions	5
	Dry-Charged Batteries	6
	Charging the Battery	6

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 6 - Electrical Circuits Before PIN HFJ013287

CONTENTS

Section	Description	Page
	Description and Operation	2
	Fuses	2
	Symbols Used In Electrical Circuits	3
	Electrical Wire Color Coding	4
	Main Wiring Diagrams A, B, C, & D (With Cab & Less Cab)	5
	Diagram A (Main Harness)	8
	Diagram B (Dash Harness)	10
	Diagram C (Rear Harness)	12
	Diagram D (Cab/Platform Harness)	14
	Start-Up Circuit	16
	High and Low Beam Headlights, Cornering and Parking Lights	18
	Direction Indicators and Hazard Lights Circuit	20
	Work Lamp Circuit	22
	Operator's Presence Circuit	24
	Analogue Instrument Circuit	26

SECTION 55 - ELECTRICAL SYSTEM

BOOK 4 - 87060405

Chapter 7 - Electrical Circuits After PIN HFJ013287

CONTENTS

Section	Description	Page
	Description and Operation	2
	Electrical Diagram Symbols	2
	Wire Color Coding	3
	Fuse Box/Fuses	4
	Main Wiring Diagrams (Cab or ROPS)	5
	Diagrams A, B, C and D	5
	Diagram A (Main Harness)	8
	Diagram B (Dash Harness)	10
	Diagram C (Rear Harness)	12
	Diagram D (Cab/Platform Harness)	14
	Individual Circuits	16
	Start-up Circuit	16
	High and Low Beam Headlights, Cornering and Parking Lights	18
	Direction Indicators and Hazard Lights Circuit	20
	Work Lamp Circuit	22
	Operator's Presence Circuit	24
	Analog Instrument Circuit	26
	Heating and Air-Conditioning System Circuit	27

SECTION 90 - PLATFORM, CAB, BODYWORK AND DECALS

BOOK 4 - 87060405

Chapter 1 - Cab

CONTENTS

Section	Description	Page
	Overhaul	2
	Control Levers, Seat, Electrical Controls	2
	Disassembly	2
	Assembly	9
	Rear Window, Handle and Lock	10
	Disassembly	10
	Assembly	10
	Lock and Exterior Handle	11
	Disassembly	11
	Assembly	11
	LH Door	12
	Disassembly	12
	Assembly	12
	Front Wiper Motor	13
	Disassembly	13
	Assembly	14
	Cab Windows	15
	Removal	15
	Installation	16

SECTION 90 - PLATFORM, CAB, BODYWORK AND DECALS

BOOK 4 - 87060405

Chapter 2 - Air Conditioning System

CONTENTS

Section	Description	Page
	Safety	3
	Specifications	4
	Special Tools	5
	Description of Operation	6
	Cab Heating and Ventilation Controls	8
	Ventilation	8
	Fan	8
	Air Filter	8
	Heating	9
	Temperature Control Knob	9
	Ignition Switch	9
	Switching on the Air Conditioning and Temperature Control	10
	Air Conditioning and Temperature Control Button	10
	Heating Control Knob	10
	3-Speed Fan Control Knob	10
	Use of the Air Conditioning System	11
	Main Components of the Air Conditioning System	12
	SANDEN SD 7H15 Compressor	12
	Condenser	13
	Receiver/Dryer	13
	Thermostatic Expansion Valve	14
	Air Conditioner Temperature Cycling Control Switch	15
	Thermostatic Switch (ANTIFROST)	15
	Evaporator	16
	Low Pressure Cut-out Switch	17
	Combined High/Low Pressure Cut-out Switch	17
	System Pressure Relief Valve	17
	Condenser	18
	Receiver/Dryer	18

SECTION 90 - PLATFORM, CAB, BODYWORK AND DECALS

BOOK 4 - 87060405

Chapter 2 - Air Conditioning System (Continued)

CONTENTS

Section	Description	Page
	Refrigerant Recovery-Recycling and Evacuation- Charging Stations	19
	Function Testing of Cab Air Conditioning System	26
	Summary of the Air Conditioning System Charging Operations	27
	Checking for Refrigerant Leaks Using an Electronic Leak Detector	29
	Maintenance of the Air Conditioning System	31
	Troubleshooting	32
	Overhaul	36
	Air Conditioning and Heating Pipes	36
	Removal	36
	Installation	39
	Receiver-Dryer	40
	Removal	40
	Installation	41
	Condenser	42
	Removal	42
	Installation	42
	Compressor	43
	Removal	43
	Installation	44
	Compressor Oil - Type and Quantity	44
	Adjustments	45
	Compressor Drive Belt	45
	Tension Adjustment	45
	Fitting the Compressor Drive Belt	45
	Checking Compressor Drive Belt Tension	45
	Periodic Checking of Drive Belt	45

SECTION 00 - GENERAL

Chapter 1 - General

CONTENTS

Section	Description	Page
	General Instructions	3
	Health and Safety	5
	Precautionary Statements	15
	Safety	16
	Ecology and the Environment	19
	Minimum Hardware Tightening Torques	20
	Federal Emissions Warranty	22
	California Emission Control Warranty Statement	23
	Consumables	25

⚠ WARNING ⚠

All maintenance and repair work described in this manual must be performed exclusively by CASE IH service technicians in strict accordance with the instructions given and using any specific tools necessary.

⚠ WARNING ⚠

Anyone who performs the operations described herein without strictly following the instructions is personally responsible for resulting injury or damage to property.

⚠ WARNING ⚠

The Manufacturer and all organizations belonging to the Manufacturer's distribution network, including but not restricted to national, regional or local distributors, will accept no responsibility for personal injury or damage to property caused by abnormal function of parts and/or components not approved by the Manufacturer, including those used for maintenance and/or repair of the product manufactured or marketed by the Manufacturer. In any case, the product manufactured or marketed by the Manufacturer is covered by no guarantee of any kind against personal injury or damage to property caused by abnormal function of parts and/or components not approved by the Manufacturer.

Please click here and go
back to our website.

BUY NOW

**Then Instant Download the
Complete Manual.**

Thank you very much!