
TC30 REPAIR MANUAL COMPLETE CONTENTS

PIN #HK30001 TO PIN #HK34732 AND PIN #HK34733 AND ABOVE

SECTION 00 - GENERAL INFORMATION	2
SECTION 10 - ENGINE	3
SECTION 18 - CLUTCH	9
SECTION 21 - GEAR TRANSMISSION	11
SECTION 25 - FWD FRONT AXLE	13
SECTION 27 - DIFFERENTIAL, REAR AXLE	15
SECTION 29 - HYDROSTATIC TRANSMISSION	16
SECTION 31 - POWER TAKE-OFF SYSTEMS	21
SECTION 33 - BRAKES	23
SECTION 35 - HYDRAULIC SYSTEM	25
SECTION 41 - STEERING	27
SECTION 44 - WHEELS, TIRES AND 2WD AXLE	29
SECTION 55 - ELECTRICAL SYSTEM	31
SECTION 90 - PLATFORM	43

The following pages are the collation of the contents pages from each section and chapter of the TC30 Repair manual. Complete Repair part # 87361957

The sections used through out all New Holland 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.

Sections 00, 10, 18, 21, 25, 27, 29, 31, 33, 35, 41, 44 and 90 are used with all tractors PIN #HK30001 and above.

Section 55 Electrical System - Chapters 1, 2, 3, and 4 are used with PIN #HK30001 to PIN #HK34732.

Section 55 Electrical System - Chapters 5, 6, 7 and 8 are used with PIN #HK34733 and above.

SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87059163

Chapter 1 - General Information

CONTENTS

Section	Description	Page
	Introduction	2
	Precautionary Statements	3
	Safety	4
	Safety Decals	7
	Instruction Decals	9
	International Symbols	13
	Specifications	14
	General Dimensions	20
	Minimum Hardware Tightening Torques	23
	Metric Bolt Torque Specifications	24
	Lubricants	25
	Adjustments	26

SECTION 10 - ENGINE

BOOK 1 - 87059163

Chapter 1 - Engine

CONTENTS

Section	Description	Page
	Specifications	5
	Metric Bolt Torque Specifications	12
	Engine Bolt Torque Specifications	13
	Engine Fuel System Bolt Torque Specifications	13
	Special Tools	14
	Compression Test and Tools	14
	Description of Operation - Engine	15
	Cylinder Head and Valve Train Components	16
	Cylinder Block Assembly	16
	Troubleshooting	18
	Overhaul - Engine	23
	Engine	23
	Preparation	23
	Fuel Injector and Glow Plug	24
	Removal	24
	Oil Pressure Switch	24
	Removal	24
	Temperature Sending Switch and Alternator	25
	Removal	25
	Fan, Water Pump, and External Oil Tube	25
	Removal	25
	Head Cover	25
	Removal	25
	Rocker Arm Shaft and Support Bracket	26
	Removal	26
	Cylinder Head	26
	Removal	26
	Valve Tappet	27
	Removal	27
	Fuel Shutoff Solenoid	27
	Removal	27
	Timing Gear Cover	27
	Removal	27
	Timing Gears and Camshaft	29
	Removal	29
	Oil Sump	30
	Removal	30
	Oil Suction Pipe and Strainer	30
	Removal	30

SECTION 10 - ENGINE

BOOK 1 - 87059163

Chapter 1 - Engine (Continued)

CONTENTS

Section	Description	Page
	Connecting Rods, Bearings, Pistons, and Rings	31
	Removal	31
	Flywheel	31
	Removal	31
	Backplate and Oil Seal	32
	Removal	32
	Crankshaft and Main Bearings	32
	Removal	32
10 101	Cylinder Head	33
	Disassembly	33
	Inspection and Repair	33
	Valve Seats	34
	Inspection and Repair	34
	Valves	35
	Inspection and Repair	35
	Valve Guides	36
	Inspection and Repair	36
	Valve Springs	37
	Inspection and Replacement	37
	Rocker Arms	37
	Inspection and Replacement	37
	Push Rods	38
	Inspection and Replacement	38
	Cylinder Head	39
	Assembly	39
	Cylinder Block	39
	Inspection	39
10 105	Pistons	40
	Disassembly and Inspection	40
	Piston Rings	42
	Disassembly and Inspection	42
	Connecting Rods	42
	Disassembly and Inspection	42
	Connecting Rod Bearing Oil Clearance Check	44
	Pistons, Rings, and Connecting Rod	45
	Assembly	45
10 103	Main Bearing and Thrust Washer	46
	Removal and Inspection	46
	Crankshaft	46
	Inspection	46

SECTION 10 - ENGINE

BOOK 1 - 87059163

Chapter 1 - Engine (Continued)

CONTENTS

Section	Description	Page
	Crankshaft Bearing (Bushing)	47
	Inspection	47
	Replacement	48
	Main Bearing and Thrust Washer	48
	Assembly	48
	Port Block	49
	Removal	49
	Installation	49
10 106	Timing Gear	49
	Inspection	49
	Camshaft	50
	Disassembly	50
	Inspection	50
	Assembly	50
10 103	Flywheel	51
	Inspection and Repair	51
	Timing Gear Housing	51
	Front Oil Seal and Steering Pump Seal	51
	Replacement	51
	Crankshaft and Bearing Holder	52
	Installation	52
	Rear Oil Seal and Backplate	52
	Installation	52
	Flywheel	53
	Installation	53
	Pistons and Connecting Rods	53
	Installation	53
	Oil Suction Pipe and Suction Strainer	54
	Installation	54
	Oil Sump	54
	Installation	54
	Camshaft and Camshaft Gear	54
	Installation	54
	Idler Gear, Oil Pump, and Injection Timing	55
	Installation	55
	Timing Gear Cover	55
	Installation	55
	Crankshaft Pulley	55
	Installation	55

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$