

TC35A, TC35DA, TC40A, TC40DA, TC45A, TC45DA REPAIR MANUAL COMPLETE CONTENTS

SECTION 00 - GENERAL INFORMATION	2
SECTION 10 - ENGINE	3
SECTION 18 - CLUTCH	10
SECTION 21 - TRANSMISSION	12
SECTION 23 - DRIVELINE	14
SECTION 25 - FWD FRONT AXLE	15
SECTION 27 - DIFFERENTIAL, REAR AXLE	18
SECTION 29 - HYDROSTATIC TRANSMISSION	19
SECTION 31 - POWER TAKE-OFF (PTO) SYSTEMS	22
SECTION 33 - BRAKES	25
SECTION 35 - HYDRAULIC SYSTEM	25
SECTION 41 - STEERING	29
SECTION 44 - 2WD FRONT AXLE	31
SECTION 50 - CLIMATE CONTROL	31
SECTION 55 - ELECTRICAL SYSTEMS	35
SECTION 90 - PLATFORM	53



The following pages are the collation of the contents pages from each section and chapter of the TC35A - TC45DA Repair manual. Complete Repair part # 87618714.

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.

The sections listed above are the sections utilized for the TC35A - TC45DA Tractors.

SECTION 00 - GENERAL INFORMATION

BOOK 1 - 87054260

Chapter 1 - General Information

CONTENTS

Section	Description	Page
00 000	Introduction	2
	Safety	3
	Technical Information	4
	Safety Precautions	5
	Safety Decals - TC35A, TC40A, TC45A	8
	Instruction Decals - TC35A, TC40A, TC45A	9
	Safety Decals - TC35DA, TC40DA, TC45DA	12
	Instruction Decals - TC35DA, TC40DA, TC45DA	13
	International Symbols	17
	Specifications - TC35A, TC40A, TC45A	18
	General Dimensions - TC35A, TC40A, TC45A	25
	Specifications - TC35DA, TC40DA, TC45DA	31
	General Dimensions - TC35DA, TC40DA, TC45DA	37
	Minimum Hardware Tightening Torques	41
	Special Tools	43
	Lubricants	44
00 400	Recommended Lubricants	44
	Adjustments	45
	Tire Inflation Pressure - Adjustments	45
00 100	Pre-Season and Pre-Delivery Checklist	46

SECTION 10 - ENGINE

BOOK 1 - 87054260

Chapter 1 - Engine

CONTENTS

Section	Description	Page
	Specifications	6
	Metric Bolt Torque Specifications	15
	Special Tools	16
	Compression Test and Tools	17
	Description of Operation	18
	Troubleshooting	19
	Cylinder Head and Valve Train Components	23
	Cylinder Block Assembly	23
	Separating the Tractor at the Clutch Housing/Engine - 12x12 Transmission	25
	Removal	25
	Separating the Tractor at the HST Housing/Engine - HST Transmission	29
	Removal	29
	Separating the Tractor at the HST Engine Frame	33
	Installation	35
	Attaching the 12x12 Transmission to the Engine	42
	Attaching the HST to the Engine	46
	Overhaul	54
	Engine	54
	Fuel Injector and Glow Plug	54
	Removal	54
	Oil Pressure Switch	54
	Temperature Sending Switch and Alternator	54
	Removal	54
	Fan, Water Pump and External Oil Tube	55
	Removal	55
	Air Inlet Manifold	55
	Removal	55
	Rocker Arm Shaft and Support Bracket	56
	Removal	56
10 101	Cylinder Head	56
	Removal	56
	Valve Tappet	57
	Removal	57

SECTION 10 - ENGINE

BOOK 1 - 87054260

Chapter 1 - Engine (Continued)

CONTENTS

Section	Description	Page
	Fuel Shutoff Solenoid	57
	Removal	57
10 106	Engine Timing Gear Cover, Timing Gears, and Cam Shaft	57
	Timing Gear Cover Removal	57
10 106	Timing Gears and Cam Shaft	60
	Removal	60
10 102	Oil Sump	61
	Removal	61
	Oil Suction Pipe and Strainer	61
	Removal	61
10 110	Balancer Assembly	62
	Removal	62
10 105	Connecting Rods, Bearings, and Pistons, Rings	62
	Removal	62
10 103	Flywheel	63
	Removal	63
10 103	Backplate and Oil Seal	63
	Removal	63
	Crankshaft - Main Bearings	63
	Removal	63
10 101	Cylinder Head	64
	Disassembly	64
	Inspection and Repair	64
	Valve Seats	65
	Valves	66
	Valve Guides	67
	Valve Springs	68
	Rocker Arms	68
	Push Rods	69
	Cylinder Head	69
	Assembly	69
	Cylinder Block	70

SECTION 10 - ENGINE

BOOK 1 - 87054260

Chapter 1 - Engine (Continued)

CONTENTS

Section	Description	Page
	Pistons	70
	Disassembly and Inspection	70
	Piston Rings	73
	Connecting Rods	73
	Connecting Rod Bearing	75
	Clearance Check	75
	Pistons, Rings, and Connecting Rod	76
	Assembly	76
10 103	Crankshaft - Main Bearing and Thrust Washer	77
	Removal and Inspection	77
	Crankshaft	78
	Bearing (Bushing)	79
	Replacement	79
	Main Bearing	80
	Assembly	80
	Port Block	81
	Removal	81
	Installation	81
10 106	Timing Gear	82
	Camshaft	82
	Disassembly	82
	Inspection	82
	Assembly	83
10 103	Flywheel	83
10 102	Timing Gear Housing	84
10 102	Front Oil Seal and Steering Pump Seal	84
	Replacement	84
10 103	Crankshaft and Bearing Holder	85
	Installation	85
	Rear Oil Seal and Backplate	85
	Installation	85
	Flywheel	86
	Installation	86



Thank you very much
for your reading.
Please click here
to get more information.