



---

# PARTS CATALOG

---

## LOADER BACKHOE

---

### 580M SERIES 3

---



BD08B046

#### TABLE OF CONTENTS

- General Information
- Section 2 – Engine
- Section 3 – Fuel System
- Section 4 – Electrical System
- Section 5 – Tracks / Steering
- Section 6 – Power train
- Section 7 – Brakes
- Section 8 – Hydraulics
- Section 9 – Chassis/Attachments
- Index

CNH America, LLC reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

All data given in this publication is subject to production variations. Dimensions and weights are only approximate. Illustrations do not necessarily show products in standard condition. For exact information about any particular product, please consult your Dealer

This unit first became available 03-2008			
REVISION HISTORY			
Issue	Issue Date	Applicable Machines	Remarks
First Edition	01Mar 08	580M Series 3 Loader Backhoe	87632283 NA

---

## TABLE OF CONTENTS

---

02-01	RADIATOR - MOUNTING
02-02	DEAERATION SYSTEM - MOUNTING
02-04	AIR CLEANER - AIR INTAKE PARTS
02-05	AIR CLEANER ASSY
02-06	MUFFLER, ASPIRATED - EXHAUST SYSTEM
02-07	ENGINE - MOUNTING
02-08	ENGINE
02-09	CYLINDER BLOCK
02-10	CYLINDER BLOCK
02-11	OIL PUMP, PAN
02-12	CRANKCASE COVERS
02-13	CYLINDER BLOCK - COVERS
02-14	CRANKCASE COVERS
02-15	BREATHER - ENGINE
02-16	CYLINDER HEAD
02-17	CYLINDER HEAD - COVERS
02-18	CYLINDER HEAD - VALVE MECHANISM
02-19	MANIFOLD - INTAKE
02-20	EXHAUST MANIFOLD
02-21	CRANKSHAFT
02-22	CONNECTING ROD
02-23	PISTON - ENGINE
02-24	FLYWHEEL - ENGINE
02-25	PULLEY - CRANKSHAFT
02-26	DYNAMIC BALANCER, GEARS & SHAFTS
02-28	CAMSHAFT
02-29	TURBOCHARGER
02-30	ENGINE OIL DIPSTICK
02-31	OIL PUMP - ENGINE
02-32	OIL FILTERS - ENGINE
02-33	PIPING - ENGINE OIL
02-34	HEAT EXCHANGER - ENGINE
02-35	WATER PUMP
02-36	COOLING SYSTEM - ENGINE
02-37	THERMOSTAT - ENGINE COOLING SYSTEM
02-38	WATER PUMP - CONTROL
02-39	FAN DRIVE
02-41	ENGINE - LIFT HOOK
02-42	ALTERNATOR MOUNTING
03-01	FUEL LINES, RESERVOIR
03-02	CONTROLS - THROTTLE, HAND
03-03	CONTROLS - THROTTLE, FOOT
03-04	FUEL INJECTION PUMP
03-05	FUEL INJECTION SYSTEM
03-06	FUEL INJECTION SYSTEM
03-07	INJECTION EQUIPMENT - PIPING
03-08	FUEL FILTER
03-09	FUEL PUMP
03-10	PIPING - FUEL
03-11	FUEL INJECTION SYSTEM
04-01	STARTER

---

## TABLE OF CONTENTS

---

04-02	ALTERNATOR
04-03	STARTER MOUNTING - ALTERNATOR MOUNTING
04-04	HARNESS, ENGINE - MOUNTING AND CONNECTIONS
04-05	BATTERY, SINGLE
04-06	BATTERY, DUAL - COLD START
04-06A	COLD START GRID HEATER
04-07	HARNESS, FRONT CONSOLE - SWITCHES
04-08	HARNESS, FRONT CONSOLE - MOUNTING
04-09	HARNESS, SIDE CONSOLE - SWITCHES
04-10	INSTRUMENT PANEL, FRONT - COVERS
04-11	INSTRUMENT PANEL, SIDE - COVERS (RIGHT-HAND SIDE)
04-12	INSTRUMENT CLUSTER
04-13	ELECTRICAL - LAMPS, ROPS CANOPY
04-14	ELECTRICAL - LAMPS, ROPS CAB
04-15	LAMP ASSY (ROPS CANOPY MODELS)
04-16	HORN - ALARM, BACKUP
04-17	BEACON, ROTATING (CAB OR CANOPY MODELS)
04-18	ANTENNA, RADIO - HARNESS, RADIO
04-19	ELECTRICAL - BACKHOE AUXILIARY HYDRAULIC, UNI-DIRECTIONAL
04-20	ELECTRICAL - BACKHOE AUXILIARY HYDRAULIC, WITH PILOT CONTROLS
05-01	STEERING WHEEL - COLUMN
05-02	HYDRAULICS - STEERING
05-02A	HYDRAULICS - STEERING (COMFORT STEER)
05-03	STEERING COLUMN
05-04	AXLE, FRONT (86990837) - MOUNTING
05-05	AXLE, FRONT (86990837) - HOUSING
05-06	AXLE, FRONT (86990837) - HOUSING, SWIVEL
05-07	AXLE, FRONT (86990837) - CYLINDER, STEERING
05-08	AXLE, FRONT (86990837) - HUB AND BEARINGS
05-09	WHEELS, FRONT - TIRES
06-01	AXLE, FRONT DRIVE - MOUNTING
06-02	AXLE, FRONT DRIVE - HOUSING
06-03	AXLE, FRONT DRIVE - HOUSING, SWIVEL
06-04	AXLE, FRONT DRIVE - CYLINDER, STEERING
06-05	AXLE, FRONT DRIVE - SHAFTS, AXLE
06-06	AXLE, FRONT DRIVE - PLANETARY
06-07	AXLE, FRONT DRIVE - DIFFERENTIAL
06-08	AXLE, FRONT DRIVE - RING AND PINION
06-09	DRIVE SHAFT, FRONT AXLE
06-10	COOLING SYSTEM - TRANSMISSION
06-11	TRANSMISSION - MOUNTING
06-12	TRANSMISSION ASSY, 2WD - FILTER, OIL
06-13	TRANSMISSION ASSY, 2WD - HOUSING
06-14	TRANSMISSION ASSY, 2WD - PUMP, OIL
06-15	TRANSMISSION ASSY, 2WD - SHIFTER MECHANISM
06-16	TRANSMISSION ASSY, 2WD - SHAFT, REVERSE & PRIMARY
06-17	TRANSMISSION ASSY, 2WD - SHAFT, INPUT & PTO
06-18	TRANSMISSION ASSY, 2WD - SHAFT, SECONDARY
06-19	TRANSMISSION ASSY, 2WD - VALVE, CONTROL
06-20	TRANSMISSION ASSY, 4WD - FILTER, OIL
06-21	TRANSMISSION ASSY, 4WD - HOUSING

---

## TABLE OF CONTENTS

---

06-22		TRANSMISSION ASSY, 4WD - PUMP, OIL
06-23		TRANSMISSION ASSY, 4WD - SHIFTER MECHANISM
06-24		TRANSMISSION ASSY, 4WD - SHAFT, REVERSE & PRIMARY
06-25		TRANSMISSION ASSY, 4WD - SHAFT, INPUT & PTO
06-26		TRANSMISSION ASSY, 4WD - SHAFT, SECONDARY
06-27		TRANSMISSION ASSY, 4WD - SHAFT, OUTPUT
06-28		TRANSMISSION ASSY, 4WD - VALVE, CONTROL
06-29		TRANSMISSION ASSY, 4WD - VALVE, SOLENOID
06-30		WHEELS, REAR - TIRES
06-31		AXLE, REAR DRIVE - MOUNTING
06-32		AXLE, REAR - DIFFERENTIAL LOCK
06-33		87395372 AXLE, REAR DRIVE - HOUSING
06-34		87395372 AXLE, REAR DRIVE - DIFFERENTIAL
06-35		87395372 AXLE, REAR DRIVE - RING AND PINION
06-36		87395372 AXLE, REAR DRIVE - DIFFERENTIAL LOCK
06-37		87395372 AXLE, REAR DRIVE - PLANETARY
06-38		DRIVE SHAFT, REAR AXLE
07-01		TRANSMISSION ASSY, 2WD - BRAKE, PARKING
07-01	01	TRANSMISSION ASSY, 4WD - BRAKE, PARKING
07-02		AXLE, REAR DRIVE - BRAKE, DIFFERENTIAL
07-03		BRAKE - PEDALS
07-04		HYDRAULICS - BRAKE MASTER CYLINDER
07-05		BRAKE LINES TO TRANSMISSION
07-06		BRAKE LINES TO AXLES
07-07		CYLINDER ASSY - BRAKE MASTER
08-01		HYDRAULICS - PUMP, FILTER AND LOADER VALVE
08-02		HYDRAULICS - LOADER VALVE AND FILTER TO BACKHOE VALVE
08-03		HYDRAULICS - COOLER, RETURN LINES AND FILTER
08-04		HYDRAULICS - CYLINDER, LOADER LIFT
08-05		HYDRAULICS - CYLINDER, LOADER BUCKET
08-06		HYDRAULICS - CYLINDER, LOADER CLAM
08-07		HYDRAULICS - CYLINDER, LOADER CLAM
08-07A		HYDRAULICS - LOADER CLAM, AT ACCUMULATOR W/ ELECTRICAL (MODELS WITHOUT PILOT CONTROLS)
08-07B		HYDRAULICS - LOADER CLAM, AT ACCUMULATOR W/ ELECTRICAL (MODELS WITH PILOT CONTROLS)
08-08		HYDRAULICS - CYLINDER, BACKHOE STABILIZER (WITHOUT PILOT CONTROLS)
08-08A		HYDRAULICS - CYLINDER, BACKHOE STABILIZER (WITH PILOT CONTROLS)
08-09		HYDRAULICS - CYLINDER, BACKHOE SWING (WITHOUT PILOT CONTROLS)
08-09A		HYDRAULICS - CYLINDER, BACKHOE SWING (WITH PILOT CONTROLS)
08-10		HYDRAULICS - CYLINDER, BACKHOE BOOM
08-10A		HYDRAULICS - BACKHOE BOOM LOCK AND ELECTRICAL CIRCUIT
08-11		HYDRAULICS - CYLINDER, BACKHOE DIPPER
08-12		HYDRAULICS - CYLINDER, BACKHOE BUCKET (MODELS WITHOUT EXTENDABLE DIPPER)
08-13		HYDRAULICS - CYLINDER, BACKHOE BUCKET (MODELS WITH EXTENDABLE DIPPER)
08-14		HYDRAULICS - CYLINDER, BACKHOE EXTENDABLE DIPPER
08-15		HYDRAULICS - VALVE, PILOT CONTROL AND JOYSTICKS (6 SPOOL, W/O EXT DIPPER, W/O AUX HYDS)

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

<https://shopservicemanual.com/>

Service Manuals from 2\$