621F

Wheel Loader - Tier 4

Parts Catalog

Bur 8-9372

Print No. 47830147PC
Issued 10/2016

CASE CONSTRUCTION

Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

00.000.10	01	PICTORIAL INDEX - COOLER TANK
00.000.10	02	PICTORIAL INDEX-DEF TANK
00.000.21		PICTORIAL INDEX - TRANSMISSION
00.000.25		PICTORIAL INDEX - FRONT AXLE
00.000.27		PICTORIAL INDEX - REAR AXLE ASSY
00.000.33		PICTORIAL INDEX - BRAKE LINE
00.000.39	01	PICTORIAL INDEX - COUNTERWEIGHT
00.000.39	02	PICTORIAL INDEX - FRONT LOADER
00.000.39	03	PICTORIAL INDEX - FRONT LOADER
00.000.41	01	PICTORIAL INDEX - STEERING
00.000.41	02	PICTORIAL INDEX - STEERING
00.000.50		PICTORIAL INDEX - AIR DUCTS & HOSES
00.000.55	01	PICTORIAL INDEX - ELECTRICAL SYSTEMS
00.000.55	02	PICTORIAL INDEX - ELECTRICAL SYSTEMS
00.000.55	03	PICTORIAL INDEX - ELECTRICAL SYSTEMS
00.000.55	04	PICTORIAL INDEX - ELECTRICAL SYSTEMS
00.000.82	01	PICTORIAL INDEX - BUCKET
00.000.82	02	PICTORIAL INDEX - GRAPPLE BUCKET
00.000.90	01	PICTORIAL INDEX - CAB FRAME
00.000.90	02	PICTORIAL INDEX - CAB FRAME
05.100.01		INITIAL STOCKING LIST
05.100.02		INITIAL STOCKING LIST
05.100.03	01	FILTERS
05.100.03	02	CAPACITIES
10.000.00	01	PICTORIAL INDEX - COOLER TANK
10.000.00	02	PICTORIAL INDEX- DEF TANK
10.001.04		ENGINE BLOCK HEATER
10.001.05		ENGINE INSTALLATION
10.202.01		AIR CLEANER INSTALLATION
10.202.02		AIR CLEANER INSTALLATION
10.202.02		AIR PRECLEANER - RAIN CAP
10.202.02	01	AIR CLEANER ASSEMBLY
10.202.03		SYKLONE AIR PRECLEANER AND ADAPTER
10.214.01		FUEL FILTER, SEPARATOR, WITH HEAT
10.214.02		FUEL FILTER, SEPARATOR, WITHOUT HEAT
10.216.01		FUEL TANK ASSEMBLY

Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

10.218.04		FUEL LINE INSTALLATION
10.218.05		FUEL LINE INSTALLATION
10.254.02		MUFFLER INSTALLATION AND PLUMBING
10.254.03		MUFFLER INSTALLATION
10.310.01		CHARGE AIR COOLER, HOSES AND TUBES
10.310.02		CHARGE AIR COOLER, HOSES AND TUBES
10.400.01		RADIATOR HOSES AND TUBE INSTALLATION
10.400.02		HYDRAULIC RESERVOIR FILTER
10.400.03		HYDRAULIC RESERVOIR ASSEMBLY
10.400.04		FAN DRIVE ASSEMBLY
10.400.05		COOLANT RECOVERY SYSTEM
10.400.06		RADIATOR HOSE AND TUBE INSTALLATION
10.400.07		FAN DRIVE ASSEMBLY
10.408.01		VAR 482585 - RADIATOR, CHARGE AIR COOLER INSTALLATION, STANDARD
10.408.01	01	VAR 482931 - RADIATOR, CHARGE AIR COOLER INSTALLATION, HEAVY DUTY
10.500.01		DEF TANK INSTALLATION
10.500.02		DEF TANK ASSEMBLY
21.000.00		PICTORIAL INDEX - TRANSMISSION
21.100.01		MOUNTING - TRANSMISSION 4 SPEED
21.100.01	01	TRANSMISSION FILTER AND FILL
21.100.02		TRANSMISSION 4 SPEED HYDRAULICS
21.100.03		TRANSMISSION FILL TUBE - GAUGE, SIGHT
21.100.04		TORQUE CONVERTER AND INPUT SHAFT ASSY
21.100.04	01	TRANSMISION PUMP AND CONVERTER REGULATOR
21.100.05		TRANSMISSION HOUSING
21.100.06		SHAFT ASSY 1ST CLUTCH ASSY
21.100.06	01	SHAFT ASSY 2ND CLUTCH ASSY
21.100.06	02	SHAFT ASSY 3RD CLUTCH ASSY
21.100.06	03	SHAFT ASSY 4TH CLUTCH ASSY
21.100.06	04	SHAFT ASSY REVERSE
21.100.06	05	OUTPUT SHAFT ASSY
21.100.06	06	FORWARD CLUTCH ASSEMBLY
21.100.07		PARKING BRAKE
21.100.08		PTO SHAFT ASSY
21.100.09		MANIFOLD CONTROL VALVE
21.100.10		TRANSMISSION CONTROL VALVE ASSY

Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

21.100.11		TRANSMISSION SENSORS AND PUMP COVER
21.100.12		TRANSMISSION 4-SPEED CONTROLLER INSTALLATION
21.109.01		TRANSMISSION COOLER INSTALLATION, STANDARD
21.109.02		TRANSMISSION COOLER INSTALLATION, HEAVY DUTY
21.155.01		DRIVE SHAFT MOUNTING
21.155.02		DRIVE SHAFT, ENGINE
21.155.03		DRIVE SHAFT, REAR
21.155.04		DRIVE SHAFT, CENTER
21.155.05		DRIVE SHAFT, FRONT
25.000.00		PICTORIAL INDEX - FRONT AXLE
25.100.01		LOCKING FRONT DIFFERENTIAL INSTALLATION
25.100.02		LIMITED SLIP FRONT AND REAR DIFFERENTIAL INSTALLATION
25.100.03		BRAKE LINE INSTALLATION STANDARD AXLE
25.100.04		BRAKE LINE INSTALLATION HD AXLE NO AUX STEERING
25.100.05		BRAKE LINE INSTALLATION HD AXLE WITH AUX STEERING
25.100.06		AXLE, FRONT DIFFERENTIAL CARRIER LIMITED SLIP AND LOCKING
25.100.07		FRONT DIFFERENTIAL LIMITED SLIP
25.100.08		FRONT AXLE HOUSING LIMITED SLIP AND LOCKING
25.100.09		AXLE DRIVE OUTPUT LIMITED SLIP
25.100.09	01	AXLE DRIVE OUTPUT LOCKING
25.100.10		FRONT AXLE BRAKE LIMITED SLIP
25.100.10	01	FRONT AXLE BRAKES LOCKING
25.100.11		FRONT AXLE BRAKE LINE LIMITED SLIP AND LOCKING
25.102.07	01	FRONT DIFFERENTIAL LOCKING
25.100.01	01	FRONT AXLE HOSE INSTALLATION LOCKING DIFFERENTIAL
27.000.00		PICTORIAL INDEX - REAR AXLE ASSY
27.100.01	01	HEAVY DUTY REAR AXLE HOSE INSTALLATION LOCKING DIFFERENTIAL
27.100.02		REAR AXLE LMT SLIP AND LOCKING AXLE DRIVE HOUSING
27.100.03		REAR AXLE LMT SLIP CARRIER
27.100.03	01	REAR AXLE LOCKING CARRIER
27.100.04		REAR AXLE HOUSING LIMITED SLIP AND LOCKING
27.100.05		REAR AXLE LMT SLIP AXLE DRIVE OUTPUT
27.100.05	01	REAR AXLE LOCKING AXLE DRIVE OUTPUT
27.100.06		REAR AXLE BRAKE LIMITED SLIP
27.100.06	01	REAR AXLE BRAKE LOCKING DIFF
27.100.07		REAR AXLE BRAKE LINE LIMITED SLIP AND LOCKING

Order the manual at mid-west-tech.com >

CYLINDER ASSY TILT LOADER BUCKET XR/LR

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		87366695		1	CYLINDER ASSY. Double Acting, 76.2mm Rod, 619.7mm Stroke XR Bucket Tilt; 127 ID x 620 mm strk; Incl. Refs. 1 - 25
		87366695R		1	REMAN-HYD CYLINDER 621F Tier 4 (1/12-)
		87366695C			CORE-HYD CYLINDER Return Number
2		87434293		1	SEAL KIT Incl. Refs. 8-15 24,25
3		339525A1		1	BARREL 127mm Bore Dia Incl. Ref. 4
4		87625613		2	BUSHING 70.14mm ID x 82.65mm OD x 36mm L
5		86642312		1	SELF-TAP SCREW Hex, #8 - 32 x 3/8"
6		339512A1		1	GLAND Assembly; Incl. Refs. 7-15
7		339511A1		1	GLAND Packing
8		D95148		1	WIPER SEAL
9		1542881C1		1	SEAL KIT Rod And Buffer; Incl. Refs. 10,11
10		{}		1	SEAL, ROD Must Order # 9
11		{}		1	SEAL, BUFFER Must Order # 9
12		336042A1		1	BUSHING Bearing; Dia. 76.20
13		238-5248		1	O-RING 0.139" Thk x 4.734" ID, -248, CI 5, 75 Duro
14		G107970		1	BACK-UP RING 120.27mm ID x 127.13mm OD x 1.4mm Thk
15		238-5247		1	O-RING 0.139" Thk x 4.609" ID, -247, CI 5, 75 Duro
16		399350A1		1	ROD ASSY. 76.2 Dia; Incl. Ref. 17
17		339521A1		2	BUSHING 69.8 Dia.
18		D95147		4	WIPER SEAL 69.8mm ID x 82.58mm OD x 7.92mm Thk
19		86982444		1	SPECIAL BOLT Hex, 12, 1 1/2 x 3.50" Incl. Ref. 20
20		{}		1	WASHER Must Order # 19
21		339510A1		1	PISTON Incl. Refs. 22-25
22		339508A1		1	PISTON 126.33mm Bore, 76.31mm Rod, 72.4mm W 127.0 Dia Cylinder; 76.2 Dia Rod
23		336030A1		1	SEAL 123.8mm ID x 128.52mm OD x 6.96mm Thk 127.0 Dia.

621F-WHEEL LOADER - TIER 4 (NA)

Order the manual at mid-west-tech.com >

DIA KIT RIDE CONTROL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		84491536		1	KIT DIA Kit Ride Control
2		84491537		1	INSTRUCTION
3		397547A1		1	FITTING
4		446183A1		1	PRESSURE SWITCH
5		190003888452		8	LOCK NUT M10, Class 8
6		84493112		2	DECAL Ride Control
6		84493112		2	DECAL Ride Control
7		84494281		1	HYDRAULIC VALVE Ride Control
8		86511845		2	BOLT M10 x 44.2mm OAL, Cl 8.8, Full Thd
9		86579707		1	TEE 1 7/16"-12 ORFS x M33 x 2 ORB Run
10		86580180		5	90 ELBOW 90°, 1-7/16"-12 ORFS x M33 x 2.0 ORB
11		86625253		4	WASHER 11mm ID x 24mm OD x 2mm Thk
12		86625256		4	WASHER 13.3mm ID x 28.5mm OD x 4mm Thk
13		86639325		4	WASHER 10.8mm ID x 24.5mm OD x 3mm Thk
14		86641295		2	TEE 1-7/16"-12 ORFS to Swivel 1 7/16"-12
15		87308929		1	FILTER ASSY With Reverse Flow Check
16		87350055		1	SWITCH Ride Control
17		87389423		1	HYD TUBE 19.4 mm ID x 25.40 mm OD x 253, 105 mm L
18		87393434		1	ACCUMULATOR 3.8L Ride Control, 3.8L
19		87393646		1	BRACKET Accumulator
20		87403347		1	BRACKET Accumulator
21		87452278		1	HOSE ASSY. Ride Control, Accumulator
22		87452279		1	HOSE ASSY. Ride Control Tank
23		87452280		2	HOSE ASSY. Ride Control Head or Rod
24		87452287		1	TUBE 25.4 mm OD x 298.1, 243.8 mm L Ride Control Rod
25		87453132		2	DECAL Danger Crush Hazard, English
26		87453133		2	DECAL Danger Crush Hazard, French
27		87453134		2	DECAL Danger Crush Hazard, Spanish
28		87453136		2	DECAL Danger Crush Hazard, Non Word
29		87492028		2	U-BOLT

621F-WHEEL LOADER - TIER 4 (NA)

Order the manual at mid-west-tech.com >

DECALS LANGUAGE DEPENDENT INTERNATIONAL

REF	FN	PART NUMBER	YR/SN	QTY	DESCRIPTION
1		323695A1		2	DECAL Crush Hazard
2		407741A1		1	DECAL Lift Arm Support
3		329048A1		1	DECAL Caution Trans/Serv
4		328903A1		1	DECAL Fluid Under Presure
5		87488609		3	DECAL Fan Warning
6		388113A1		1	DECAL Belt Entaglement Hazard
7		87488619		1	DECAL Danger Starting
8		329045A1		1	WARNING DECAL Fluid Under Presure
9		329050A1		1	DECAL Caution Block Wheels
10		256147A1		1	DECAL General Warning
11		386241A1		1	WARNING DECAL Do Not Jump
12		412426A1		1	DECAL Danger Crush Hazard
13		328753A1		1	DECAL Warning Hazard
14		364917A1		1	DECAL Atachment Test
15		84493112		1	DECAL Ride Control Case Only
16		333269A1		3	DECAL Pressurized System Hazard
17		87453136		1	DECAL Crush Hazard
18		412476A1		1	DECAL Explosion Hazard
19		8603095		1	WARNING DECAL Either Explosion
20		87586617		1	DECAL Fluid Under Presure
21		84404565		1	IMPORTANT DECAL Explosion Danger

621F-WHEEL LOADER - TIER 4 (NA)

Order the manual at mid-west-tech.com >