

12M3 MOTOR GRADER
LITTLE ROCK, AR, USA (SAP)

Ship Weight
lbs

List Price
At Factory

Standard Equipment:

STANDARD EQUIPMENT:

The standard equipment list includes key components necessary for an operable machine.

POWERTRAIN

Air cleaner, dual stage dry type radial seal with service indicator and automatic dust ejector
Air-to-air after cooler (ATAAC)
Belt, serpentine, automatic tensioner
Brakes, oil disc, four-wheel, hydraulic
Demand fan, hydraulic
Differential, lock/unlock, Automatic
Drain, engine oil, ecology
Electronic over-speed protection
Engine, C9 with ACERT technology, diesel with automatic engine derate and idle control. EPA/ARB Tier 4 Final & EU stage IV certified Engine & Aftertreatment
Parking brake, multi-disc, sealed and oil cooled.
Sediment drain, fuel tank.
Tandem drive
Transmission, 8 speed forward and 6 speed reverse, power shift, direct drive
VHP Plus (Variable Horse Power Plus)

ELECTRICAL

Alarm, back-up
Alternator, 150 ampere, sealed
Batteries, maintenance free, heavy duty, 1125 CCA
Breaker panel, ground accessible
Electrical hydraulic valves
Electrical system, 24 volt
Grade Control Ready (Cab harness, software, electrical hydraulic valves, bosses and brackets)
Lights, reversing
Lights, roading, roof-mounted, stop and tail, LED
Starter, electric

OPERATOR ENVIRONMENT

Air Conditioning with heater
Articulation, automatic return to center
Centershift pin indicator
Display, digital speed and gear
Doors, left and right side with wiper
Gauge, machine level
Gauges (analog) inside the cab (includes fuel, articulation, engine coolant temp, engine RPM,

and hydraulic oil temp, DEF/AdBlue)
Joystick, adjustable armrests
Joystick gear selection, hydraulic
power steering hydraulic controls (right/left, blade lift w/ float position, blade sideshift and tip, circle drive, centershift, front wheel lean and articulation and steering)
Lights, night time cab
Messenger operator information system
Meter, hour, digital
Mirror, inside rearview, wide angle
Power Port, 12V
Radio Ready, Entertainment
ROPS cab, sound suppressed
- 69dB(A) - ISO 6394
Seat, cloth-covered, comfort suspension
Storage area for cooler/lunchbox
Throttle control, electronic
Windows: laminated glass
- Fixed front with intermittent wiper
- Door with intermittent wipers (3)
Windows: Tempered
- Left and right side wipers
- Rear with intermittent wiper
Cab Storage

SAFETY AND SECURITY

Clutch, circle drive slip
Doors, 2 engine compartment, (two left hand, two right hand) locking
Doors, 2 service, left and right locking
Ground level engine shutdown
Hammer (emergency exit)
Horn, electric
Lockout, hydraulic implement (for roading and servicing)
Seat belt, retractable 3"
Secondary steering
Tandem walkway/guards

TIRES, RIMS, AND WHEELS

A partial allowance for tires on 10" x 24" multi-piece rims is included in the base machine price and weight.

FLUIDS

Antifreeze
Extended Life Coolant -35C/-30F

OTHER STANDARD EQUIPMENT

Accumulators -brake -dual certified
Drawbar, 6 shoe w/replaceable wear strips
Fluid check, ground level
Fuel tank, 105 gallon (398 L)

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OTHER STANDARD EQUIPMENT (CONT.)

Ground level fueling
DEF/AdBlue Tank, 5.5 gallon (21 L)
Hydraulic lines for base functions
Pump, hydraulic, high capacity
(98cc / 15 cu in)
Radiator, cleanout access
(both sides with swing doors)
SOS ports - engine -hydraulic
-transmission -coolant -fuel
Tandem walkway/guards
Tool box
Debris Guard

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ORDERING INSTRUCTIONS:

For an explanation of Lane Strategy and ordering instructions please refer to the sales model "GENERAL" posted in the web price list. You must order your machine from Lane 1, Lane 2, or Lane 3. The lane you order from will determine capability to order additional attachments and service level you will receive.

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LANE 1 DISTRIBUTION CENTER ARRANGEMENTS

Lane 1 Distribution Center Arrangements(DCA's)
If no reference number is listed, a Lane 1 configuration is not available.

To be complete,your Lane 1 Machine order must contain:
1)Distribution Center Arrangement (DCA)
2)OP-9001 Lane 1 order
3)OP number for packing shipment

Effective 12 september, 2011 Exact Lane 1 confingurations may also be sourced from the factory with lane 2 availability by using the same reference numbers except OP9222 Lane 2 Special Indicator instead of OP9001 Lane Indicator and adding Priority Code "L2" to the order. No additional Lane 2 items may be added to the order.

Lane 2 / Lane 3 - Factory Arrangements
Machines ordered in this section will be sourced from the factory. If no reference number is listed Lane 2/3 configuration is not available.

384-8606	12M3 MOTOR GRADER 37,145 NOTE: To be complete, your machine order must contain: - Base machine - Regional Packages - Performance Packages - Hydraulics - Electrical - Operator Environment - Technology Products - Tires - Guards - Documentation - Associated OP Numbers	\$353,630
OP-2970	12M3 MISC MATERIAL NLR 0 Use this as the top level reference number when ordering misc material without ordering a machine.	NC

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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LANE SELECTION

LANE 2/3 MANDATORY (Must Select One)

0P-9002	LANE 2 ORDER	0	NC
	Cannot be ordered with items listed as LANE 3 ONLY.		
0P-9003	LANE 3 ORDER	0	NC
	Must be selected if selecting a LANE 3 ONLY Attachment		

REGIONAL PACKAGES

REQUIRES ONE OF THE FOLLOWING:

REGIONAL PACKAGES (Must Select One)

L	385-9294	GLOBAL ARRANGEMENT	0	NC
		Provides standard brake accumulators. For use in temperatures above -18C		
		CANNOT BE USED WITH: Canadian Dealers		
		CANNOT BE USED WITH: WEATHER, COLD PLUS		
L	385-9297	GLOBAL ARRANGEMENT,LOW AMBIENT	0	NC
		Provides brake accumulators for low ambient temperatures below -18C		
		CANNOT BE USED WITH: Canadian dealers or EU dealers		
		CANNOT BE USED WITH: WEATHER, STANDARD		

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PERFORMANCE PACKAGES

MOLDBOARDS (Must Select One)

L	349-3046	MOLDBOARD, 12' 0 INCLUDES: - Moldboard 12' x 24" x 7/8" (3658mm x 610mm x 22mm) - Curved Cutting Edge, 6" X 5/8" (152mm x 16mm) - End Bits, Standard, Without Overlay		NC
L	349-3047	MOLDBOARD, 14' BASIC 347 INCLUDES: - Moldboard 14' x 24" x 7/8" (4267mm x 610mm x 22mm) - Curved Cutting Edge, 8" x 3/4" (203mm x 19mm) - End Bits, Standard, Without Overlay		\$1,215
L	349-3048	MOLDBOARD, 14' PLUS 650 INCLUDES: - Moldboard 14' x 27" x 1" (4267mm x 686mm x 25mm) - Curved Cutting Edge, 8" x 3/4" (203mm x 19mm) - End Bits, Standard, With Overlay		\$2,750

WORK TOOLS (Must Select One)

L	393-4882	NO HITCH 0		NC
L	337-7510	HITCH, TOWING 0		\$545
L	324-0889	RIPPER/SCARIFIER. 2,120 2,150		\$20,670 \$20,830 NI

****NOTE****

NOT INSTALLED option is only for use with Miscellaneous orders using OP-2970 12M3 MISC MATERIAL
Hydraulic, rear mounted ripper with three straight ripper shanks.
Can accommodate two additional ripper shanks and nine scarifier teeth which must be ordered separately.
REQUIRES: A hydraulics control part number that has a ripper function.
INCLUDES: Ripper Mounting

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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PERFORMANCE PACKAGES (CONT.)

WEATHER PACKAGES (Must Select One)

L	353-3316	WEATHER, STANDARD 0 Recommended for year around use when typical ambient temperature range is 0 degrees C (32 degrees F) to 43 degrees C (110 degrees F) and operating at altitude below 1220 m (4000 feet). INCLUDES: - Batteries, Heavy Duty - 1125 CCA - Oil, Hydraulic, 10W FOR USE WITH: GLOBAL ARRANGEMENT FOR USE WITH: EUROPEAN ARRANGEMENT FOR USE WITH: EUROPEAN AR. W/ ROADING (TUV) CANNOT BE USED WITH: GLOBAL ARRANGEMENT,LOW AMBIENT CANNOT BE USED WITH: CANADIAN ARRANGEMENT	0	NC
L	394-4521	COLD WEATHER PACKAGE 0 Recommended for year around use when typical ambient temperature range is -18 degrees C (0 degrees F) to 43 degrees C (110 degrees F) and operating at altitude below 1220 m (4000 feet). INCLUDES: - Starting Aid, Ether - Batteries, Extreme Duty -1400 CCA - Oil, Hydraulic, 10W FOR USE WITH: GLOBAL ARRANGEMENT FOR USE WITH: GLOBAL ARRANGEMENT,LOW AMBIENT FOR USE WITH: CANADIAN ARRANGEMENT FOR USE WITH: EUROPEAN ARRANGEMENT FOR USE WITH: EUROPEAN AR. W/ ROADING (TUV)	0	\$775
L	394-4522	COLD WEATHER PLUS PACKAGE 38 Recommended for year around use when typical ambient temperature range is -40 degrees C (-40 degrees F) to 40 degrees C (104 degrees) or operating at altitude above 1220 m (4000 feet). INCLUDES: - Starting Aid, Ether - Cold Start; Transmission oil and fan brake bypass - Batteries, Extreme Duty -1400 CCA - Oil, Hydraulic, Cold, 0W REQUIRES: HEATER, ENGINE COOLANT, 120V or HEATER, ENGINE COOLANT, 240V REQUIRED BY: SNOW ARRANGEMENT FOR USE WITH: GLOBAL ARRANGEMENT,LOW AMBIENT FOR USE WITH: CANADIAN ARRANGEMENT FOR USE WITH: EUROPEAN ARRANGEMENT FOR USE WITH: EUROPEAN AR. W/ ROADING (TUV) CANNOT BE USED WITH: GLOBAL ARRANGEMENT	38	\$3,045

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PERFORMANCE PACKAGES (CONT.)

ACCUMULATORS (Must Select One)

L	305-2927	LINES,STANDARD W/O ACCUMULATOR 0 Provides hydraulic lines for base functions		NC
L	358-9338	ACCUMULATORS, BLADE LIFT 170 Provides hydraulic lines for base functions and accumulators for the blade lift. Allows approximately 1-3" of vertical blade travel to reduce impact loads. Nitrogen/oil accumulators activated by electric switch. CANNOT BE USED WITH: Canadian Dealers.		\$4,730

PRECLEANER (Must Select One)

L	380-6774	PRECLEANER, NON SY-KLONE 0 Precleaner, basic (rain cap)		NC
L	380-6775	PRECLEANER, SY-KLONE 5 Precleaner designed to handle large debris fields, including snow.		\$765

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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HYDRAULICS

NOTE: Optional Control Locations

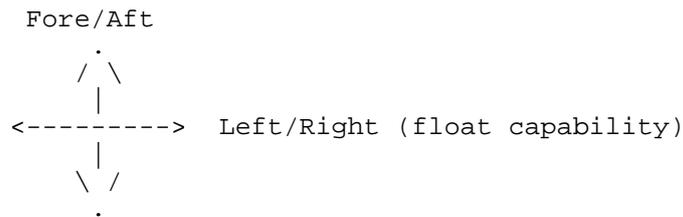
Caterpillar offers many attachment hydraulic controls to operate work tools. Depending on which hydraulic part number is selected, the operating electro-hydraulic switches may include the auxiliary pod, mini-joystick located on the auxiliary pod, and/or the ripper control pod.

NOTE: Auxiliary controls that can have float

Auxiliary Pod Controls

INDEX = Index Finger (front lift)(float capability)
 MID = Middle Finger (dozer angle 1)
 RING = Ring Finger (dozer angle 2)
 LITTLE= Little Finger (float capability)

NOTE: Mini-Joystick



NOTE: Ripper Control Pod

RH1 = Front Lift (float capability)
 RH2 = Ripper-Scarifier Control
 RHD = Ripper Handle Dual Switch (RH1 & RH2)

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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HYDRAULICS (CONT.)**NOTE: Common Functions**

COMMON FUNCTIONS:

Base = 8 functions: right and left blade lift, circle turn, drawbar center shift, blade side shift, blade tip, front wheel lean, frame articulation.

FL = Front Lift (moves front work tools up/down)
 DA1 = Dozer Angle 1 (angles front blade left OR right)
 DA2 = Dozer Angle 2 (angles front blade left AND right)
 RIP = Rear Mounted Ripper (moves ripper up/down)
 MMS = Mid-Mounted Scarifier
 WM = Wing Mast
 WT = Wing Tilt
 Float = Built-in feature of valve section that opens both the work ports to tank. The external forces (weight of the implement) allows free movement of the implement.
 Flow Rate=Provides maximum rate of fluid flow from the specific work port. B/A represents the maximum flow rate in Port B/Port A* in LPM (liters per minute).

*NOTE: Each valve section has two work ports (Port A and Port B).
 Port A: Used to either raise implement or move implement to the right or for clockwise rotation of the implement.
 Port B: Used to either lower implement or move implement to the left or for counter-clockwise rotation of the implement.

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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HYDRAULICS (CONT.)

HYDRAULIC VALVE LOCATIONS

This illustration shows the factory installed switch location for each function by hydraulic part number.

Part Number	MINI-JOYSTICK		AUXILIARY POD			RIPPER POD	
	Front Aft	Left/Right Float	Index with Float	Mid	Ring	Little	RHD RH1 RH2
242-5056							
385-8094							RIPPER N 35/35
354-4113							MID-MOUNT SCARIFIER Y 35/35
309-9848							FR. LIFT Y 52/52
385-8095							FR. LIFT RIPPER Y N 52/52 35/35
395-2008	MAST	TILT	FR. LIFT				
Float:	N	N	Y				
Flow rate:	80/80	38/26	52/52				
385-8096			FR. LIFT	DA1			RIPPER
Float:			Y	N			N
Flow rate:			52/52	80/80			35/35
385-8099	MAST	TILT	FR. LIFT				RIPPER
Float:	N	Y	Y				N
Flow rate:	80/80	80/80	52/52				35/35
385-8100	MAST	TILT	FR. LIFT				RIPPER
Float:	N	N	Y				N
Flow rate:	80/80	38/26	52/52				35/35
395-2009	MAST	TILT	FR. LIFT	DA1			MID-MOUNT SCARIFIER
Float:	N	N	Y	N			N
Flow rate:	80/80	38/26	52/52	80/80			35/35

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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HYDRAULICS (CONT.)

HYDRAULIC VALVE LOCATIONS LANE 3 ONLY

Part Number	MINI-JOYSTICK		AUXILIARY POD			RIPPER POD		
	Front Aft	Left/Right Float	Index with Float	Mid	Ring	Little	RH1	RH2
385-8097			FR.LIFT				RIPPER	MID-MOUNT SCARIFIER
Float:			Y				N	N
Flow rate:			52/52				35/35	35/35
385-8101	MAST	TILT	FR.LIFT	DA1				RIPPER
Float:	N	N	Y	N				N
Flow rate:	80/80	38/26	52/52	80/80				35/35
385-8103	MAST	TILT	FR.LIFT	DA1	DA2			RIPPER
Float:	N	N	Y	N	N			N
Flow rate:	80/80	38/26	52/52	80/80	80/80			35/35
481-8610	MAST	TILT	FR.LIFT	DA1	DA2			RIPPER
Float:	N	Y	Y	N	N			N
Flow rate:	80/80	80/80	52/52	80/80	80/80			35/35

HYDRAULIC VALVE PART NUMBERS (Must Select ONLY One)

L	242-5056	HYDRAULICS, BASE	0	NC
		Base hydraulic system includes machine articulation, wheel lean, left and right blade lift with independent float, drawbar centershift, circle drive, blade sideshift and tip.		
L	385-8094	BASE + 1 (RIP)	21	\$2,335
		Ripper function. Includes the Ripper Lines. FOR USE WITH: RIPPER-SCARIFIER, REAR		
L	354-4113	BASE + 1 (MMS)	21	\$2,335
		Mid-Mount Scarifier function. Includes the Mid-Mount Scarifier Lines. FOR USE WITH: MID MOUNT SCARIFIER PACKAGE		
L	309-9848	BASE + 1 (FL)	18	\$1,925
		Front Lift function. Includes the Front Lift Lines. FOR USE WITH: LIFT GROUP, MANUAL, FRONT		
L	385-8095	BASE + 2 (FL,RIP)	37	\$4,145
		Ripper and Front Lift functions. Includes the Front Lift Lines and Ripper Lines. FOR USE WITH: LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR		
L	395-2008	BASE + 3 (WM,WT-NOFLOAT,FL)	60	\$6,640
		Front Lift, Snow Wing Mast, and Snow Wing Tilt FOR USE WITH: SNOW ARRANGEMENT LIFT GROUP, MANUAL, FRONT		
L	385-8096	BASE + 3 (FL,DA1,RIP)	67	\$7,570
		Ripper, Front Lift and Angle functions. Includes the Front Lift Lines Dozer Angle 1 Lines, and Ripper Lines. FOR USE WITH: LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR		

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HYDRAULICS (CONT.)

HYDRAULIC VALVE PART NUMBERS (Must Select ONLY One) (Cont.)

L	385-8099	BASE + 4 (WM,WT-FLOAT,FL,RIP) 85 Ripper, Front Lift, Snow Wing Mast and Snow Wing Tilt (80/80 with float) functions. Includes the Front Lift Lines and Ripper Lines. FOR USE WITH: SNOW ARRANGEMENT LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR	85	\$9,080
L	385-8100	BASE + 4 (WM,WT,FL,RIP) NOFLT 85 Ripper, Front Lift, Snow Wing Mast and Snow Wing Tilt (38/26 - No Float) functions. Includes the Front Lift Lines and Ripper Lines. FOR USE WITH: SNOW ARRANGEMENT LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR	85	\$8,820
L	395-2009	BASE + 5 (WM,WT,DA1,FL,MMS) 120 Snow Wing Mast, Snow Wing Tilt (38/26 - No Float) functions, Dozer Angle 1, Front LIFT, and Mid-Mount Scarifier Includes the Front Lift Lines, Angle 1 Lines, and Mid-Mount Scarifier Lines. FOR USE WITH: SNOW ARRANGEMENT LIFT GROUP, MANUAL, FRONT MID MOUNT SCARIFIER PACKAGE	120	\$10,950

HYDRAULIC VALVE PART NUMBERS LANE 3 ONLY

L	385-8097	BASE + 3 (FL,MMS,RIP) 67 FOR USE WITH: Lane 3 only. Front Lift, Ripper and Mid-Mount Scarifier functions. Includes the Front Lift Lines, Ripper Lines and Mid-Mount Scarifier Lines. FOR USE WITH: LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR MID MOUNT SCARIFIER PACKAGE	67	\$7,570
L	385-8101	BASE + 5 (WM,WT,DA1,FL,RIP) 120 FOR USE WITH: Lane 3 only. Snow Wing Mast, Snow Wing Tilt (38/26 - No Float) functions, Dozer Angle 1, Front LIFT, and Ripper. Includes the Front Lift Lines, Angle 1 Lines, and Ripper Lines. FOR USE WITH: SNOW ARRANGEMENT MOUNT, SNOW WING, FRAME READY LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR	120	\$10,950
L	385-8103	BASE + 6(WM,WT,DA1,DA2,FL,RIP)130 FOR USE WITH: Lane 3 only. Ripper, Dozer Angle 1, Dozer Angle 2, Front Lift, Snow Wing Mast and Snow Wing Tilt (38/26 - No Float) functions. Includes the Front Lift Lines, Dozer Angle 2 Lines and Ripper Lines. FOR USE WITH: SNOW ARRANGEMENT MOUNT, SNOW WING, FRAME READY LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR	130	\$13,550

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HYDRAULICS (CONT.)

HYDRAULIC VALVE PART NUMBERS (Must Select ONLY One) (Cont.)

L	481-8610	BASE + 6(WM,WT + F,DA1,DA2,FL,RIP) 130 FOR USE WITH: Lane 3 only. Ripper, Dozer Angle 1, Dozer Angle 2, Front Lift, Snow Wing Mast and Snow Wing Tilt (80/80 + Float) functions. Includes the Front Lift Lines, Dozer Angle 2 Lines and Ripper Lines. FOR USE WITH: SNOW ARRANGEMENT MOUNT, SNOW WING, FRAME READY LIFT GROUP, MANUAL, FRONT RIPPER-SCARIFIER, REAR	130	\$13,810
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STARTERS, BATTERIES, & ALTERNATORS

STARTER ARRANGMENT (Must Select One)

L	394-3945	STARTER, ELECTRIC, HEAVY DUTY 0 Provides a 715 Amp. starter		NC
L	395-3547	STARTER, ELEC, EXTREME DUTY 21 Recommended for Cold weather applications Provides a 1000 Amp. starter		\$414

ELECTRICAL

LIGHTING (Must Select One)

L	331-6793	LIGHTS, BRAKE AND BACK-UP 0 Provides stationary rear brake lights along with the back-up lights. Does not include front headlights or turn signals		NC
L	309-9879	LIGHTS, FRONT HEADLIGHTS, LOW 10 Provides stationary rear brake lights along with the back-up lights. Provides low bar headlights with front turn signals, dimmer switch for road lighting, drop-down stop, tail, and rear turn signals and back-up lights. REQUIRED BY: EUROPEAN ARRANGEMENT REQUIRED BY: EUROPEAN AR. W/ ROADING (TUV)		\$2,555
L	309-9881	LIGHTS, FRONT HEADLIGHTS, HIGH 10 Provides stationary rear brake lights along with the back-up lights. Provides high bar headlights with front turn signals, dimmer switch for road lighting, drop-down stop, tail, and rear turn signals and back-up lights. REQUIRED BY: EUROPEAN ARRANGEMENT REQUIRED BY: EUROPEAN AR. W/ ROADING (TUV) INCLUDED IN: SNOW ARRANGEMENT		\$2,555

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OPERATOR ENVIRONMENT

CAB EXTERIOR (Must Select One)

L	385-9553	CAB, BASE (STANDARD GLASS) 0 INCLUDES: - 150 amp alternator - Standard Glass CANNOT BE USED WITH: SNOW ARRANGEMENT CANNOT BE USED WITH: EUROPEAN ARRANGEMENT CANNOT BE USED WITH: EUROPEAN AR. W/ ROADING (TUV)		NC
L	385-9554	CAB, PLUS (STANDARD GLASS) 35 INCLUDES: - 150 amp alternator - Wiper/washer, rear - Standard Glass REQUIRED BY: SNOW ARRANGEMENT REQUIRED BY: EUROPEAN ARRANGEMENT REQUIRED BY: EUROPEAN AR. W/ ROADING (TUV)		\$1,125
L	385-9555	CAB, PLUS (ANTI-ICING GLASS) 35 INCLUDES: - 250 amp alternator - Wiper/washer, rear - Front glass and RH door glass are heated. REQUIRED BY: SNOW ARRANGEMENT CANNOT BE USED WITH: EUROPEAN ARRANGEMENT CANNOT BE USED WITH: EUROPEAN AR. W/ ROADING (TUV)		\$6,720

CAB INTERIOR (Must Select One)

L	397-7456	CAB, BASE (INTERIOR) 0 INCLUDES: - Seat, mechanical suspension, cloth - Shade, Sun CANNOT BE USED WITH: SNOW ARRANGEMENT CANNOT BE USED WITH: EUROPEAN ARRANGEMENT CANNOT BE USED WITH: EUROPEAN AR. W/ ROADING (TUV)		NC
L	397-7457	CAB, PLUS (INTERIOR) 45 INCLUDES: - Seat, Air Suspension, Cloth, Heated - Radio, 12V, AM/FM, Weatherband, Bluetooth, USB, Aux Input Available to countries with bluetooth certification. Please contact your Cat marketing representative if you have questions. - Fan, defroster, rear window - Converter, Communication (CB) - Shade, Sun REQUIRED BY: SNOW ARRANGEMENT REQUIRED BY: EUROPEAN ARRANGEMENT REQUIRED BY: EUROPEAN AR. W/ ROADING (TUV)		\$3,055

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OPERATOR ENVIRONMENT (CONT.)

CAB INTERIOR (Must Select One) (Cont.)

L	397-7458	CAB, PREMIUM (INTERIOR) 80 - Seat, air suspension, cloth; Heated, Ventilated - Radio, 12V, AM/FM CD/MP3 Bluetooth, Weatherband, USB, Aux Input XM/Sirius Satellite (439-1564) Available to countries with bluetooth certification. Please contact your Cat marketing representative if you have questions. - Fan, defroster, rear window - Converter, Communication (CB) - Shade, Sun *Recommended for Snow Removal REQUIRED BY: SNOW ARRANGEMENT REQUIRED BY: EUROPEAN ARRANGEMENT REQUIRED BY: EUROPEAN AR. W/ ROADING (TUV)		\$4,645
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OPERATOR ENVIRONMENT (CONT.)

SEAT BELT (Must Select One)

L	394-1492	SEAT BELT	0	NC
		Standard 3 inch seat belt		
L	394-1132	SEAT BELT W/INDICATOR	5	\$195
		Standard 3 inch seat belt with indicator located on display panel		

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TECHNOLOGY PRODUCTS

PRODUCT LINK (Must Select One)

Product Link enables the remote transmission of information about the location, operation, and condition of your equipment. Efficiently and effectively monitor performance of your assets to help keep your jobs on schedule, maintain equipment condition, and reduce the costs of owning and operating your fleet. Availability varies by country. Please contact your Cat marketing representative with questions.

L	464-6804	PRODUCT LINK, SATELLITE PLE631 29 Product Link Elite series PLE631 uses a satellite network to transmit location, utilization and condition information for viewing in Product Link's remote monitoring web interface. For use in areas with poor or no cellular coverage. Includes Network Manager.		NC
L	464-6442	PRODUCT LINK, CELLULAR PLE641 29 Product Link Elite series PLE641 uses GSM and CDMA 3G cellular networks to transmit location, utilization and condition information for viewing in Product Link's remote monitoring web interface. Cellular technology provides capabilities for frequent transmission and larger volumes of data. Includes Network Manager.		NC

ACCUGRADE (Must Select One)

L	362-5222	NO ACCUGRADE 0 REQUIRES: JOYSTICK CONTROLS, BASIC		NC
L	462-7928	INSTALLATION, ACCUGRADE READY 90 Allows the Motor Grader to be equipped with either a Cross Slope, Sonic, Laser, GPS, or ATS electronics kit. Provides software, harnesses for sensors, mounting for sensors and blade mast bracket. **REQUIRES: Software Enabled Attachment (SEA)		\$4,895

NOTE: Highly recommended to select Advanced Joystick Controls. This will Allow for complete configuration and control when using 3 party grade control systems

L	462-7929	GRADE CONTROL X SLOPE 165 Allows the operator to manually control one end of the blade to match the curb or crown while automatically maintaining the desired slope of the blade. This system is used to maintain the crown of a gravel road or the shoulder of a road. Provides cab switches, software, harnesses for sensors, mounting for sensors and blade mast bracket. Accugrade Ready is included in this option REQUIRES: JOYSTICK CONTROLS, ADVANCED		\$11,220
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Please consult the ACCUMG PRICE LIST for ordering instructions and pricing information on the ELECTRONICS KITS and Software Enabled Attachment (SEA) required to activate the AccuGrade Electro-Hydraulic system. The AccuGrade LASER TRANSMITTER and TRIPOD must be ordered directly from the supplier (see ACCUMG PRICE LIST for ordering instructions).

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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TECHNOLOGY PRODUCTS (CONT.)

MOTOR GRADER CONTROLS (Must Select One)

L	357-9151	JOYSTICK CONTROLS, BASIC 6 Standard joystick controls. REQUIRED BY: NO ACCUGRADE	6	NC
L	458-8701	JOYSTICK CONTROLS, ADVANCED 8 Provides enhanced functionality while using ACCUGRADE READY or GRADE CONTROL X SLOPE INCLUDES: - Advanced Joysticks - Harness - Films REQUIRED BY: GRADE CONTROL X SLOPE. RECOMMENDED FOR USE WITH: ACCUGRADE READY	8	\$2,060

TIRES, RIMS, AND WHEELS

Tires listed below include a set of six tires.
****To calculate tire loads with machine attachments, please reference the MG Tire Selection Pocket Guide (media #AEXQ0182), available on the Electronic Sales Library.**
All tire selections should be made with consideration for planned machine attachments (OEM and aftermarket) and their additional weight. Each tire has a maximum load rating that is not to be exceeded. The tire selection should be based on the maximum of all tire position loads on the machine. Assistance for calculating the highest tire load can be found in the Tire Load Worksheet in the back of the Caterpillar Motor Graders Tire Selection Pocket Guide. Failure to abide by the load ratings of the tires without first consulting the local tire supplier representative could result in nullification of the tire warranty.

Due to industry-wide tire availability limitations, tire brand and type cannot be guaranteed. Every effort will be made to satisfy your tire choice, but we reserve the right to change to alternate tires. If the tire brand cannot be supplied, the dealer will be contacted to propose alternative tire options. The dealer will need to respond with an alternative tire selection within 72 hours. If no response is provided by the supplier, the order will default to a comparable tire. As a consequence of a tire change the total machine price will be decreased or increased relative to the price of the new tire selection.

L	252-0714	TIRES, 14.0 R24 BS VKT * G2 1,540 Bridgestone VKT 1* on 10" x 24" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**	1,540	\$8,340
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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TIRES, RIMS, AND WHEELS (CONT.)

L	252-0720	TIRES, 14.0R24 BS VUT * L2 MP 1,012 Bridgestone VUT 1* on 10" x 24" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$6,540
L	252-0679	TIRES,14.0R24 MX XGLA2 * G2 MP 1,069 Michelin XGLA2 1* on 10" x 24" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (7824 lbs) 3550 kg.**		\$11,320
L	252-0701	TIRES,14.0R24 MX XSNO+ * G2 MP 1,282 Michelin XSNO 1* on 10" x 24" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (7824 lbs) 3550 kg.**		\$14,770
L	252-0775	TIRES, 17.5R25 BS VKT * D2A MP 1,810 Bridgestone VKT 1* on 14" x 25" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$12,260
L	252-0767	TIRES, 17.5R25 MX XHA * L3 MP 1,662 Michelin XHA 1* on 14" x 25" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$17,820
L	252-0777	TIRES,17.5R25 MX XSNO+ * G2 MP1,093 Michelin XSNO+ 1* on 14" x 25" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$20,210
L	252-0771	TIRES, 17.5R25 MX XTLA * L2 MP 1,371 Michelin XTLA 1* on 14" x 25" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$15,200

TIRES, RIMS AND WHEELS - Lane 3 Only

L	252-0708	TIRES, 14.0R24 BS VSW * G2 MP 1,481 FOR USE WITH LANE 3 ONLY Bridgestone VSW 1* on 10" x 24" multi-piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$12,030
L	254-7904	TIRES,14.0R24 MX XGLA2 * G2 SP 709 FOR USE WITH LANE 3 ONLY Michelin XGLA 1* on 9" x 24" single piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (7824 lbs) 3550 kg.**		\$7,830
L	254-7970	TIRES, 17.5R25 MX XHA * L3 SP1,270 FOR USE WITH LANE 3 ONLY Michelin XHA 1* on 13" x 25" single piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$13,680
L	254-7971	TIRES, 17.5R25 MX XTLA * L2 SP 979 FOR USE WITH LANE 3 ONLY Michelin XTLA 1* on 13" x 25" single piece rims. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**		\$11,100

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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TIRES, RIMS, AND WHEELS (CONT.)

TIRES, RIMS AND WHEELS - Lane 3 Only (Cont.)

L	310-7331	TIRES, 17.5R25 BS VSW * G2 MP 1,888 FOR USE WITH LANE 3 ONLY Bridgestone Radial G-2, Tread Depth: 27mm, 14x25 2PC Rim For machines used in snow removal work on icy, packed or soft snow surfaces. All-season service, requiring no replacement during summer. THE TIRE MANUFACTURER DOES NOT RECOMMEND THIS TIRE FOR INDIVIDUAL TIRE LOADS EXCEEDING (8045 lbs) 3650 kg.**	1,888	\$17,080
L	440-3433	TIRES, 17.5 SHIPPING, MP 274 FOR USE WITH LANE 3 ONLY Shipping tire for use during shipment of machine only. Solid rubber band mounted on 14" x 25" multi-piece rims. Must be replaced with pneumatic tire before delivering to customer.	274	\$2,250
L	448-5577	TIRES, 14.0 SHIPPING, MP 90 FOR USE WITH LANE 3 ONLY Shipping tire for use during shipment of machine only. Solid rubber band mounted on 10" x 24" multi-piece rims. Must be replaced with pneumatic tire before delivering to customer.	90	\$2,000

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GUARDS

Guards (Must Select One)

L	323-6970	GUARD GP, HITCH 25 Standard bottom plate just rear of articulation hitch		NC
L	368-6239	ARTICULATION GUARD 30 Provides protection for the articulation rods from snow, dirt and Highly recommended for snow removal applications, or below freezing CANNOT BE USED WITH : SOUND SUPPRESSION (BOTTOM)		\$1,275

FLUIDS

ANTIFREEZE (Must Select Only One)

L	469-8157	COOLANT, 50/50, -35C (-31F) 0 Standard engine coolant		NC
L	469-8160	COOLANT, 60/40, -51C (-60F) 0 Engine coolant recommended for extreme low temperatures		\$247 NET

USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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DOCUMENTATION

LANGUAGE SELECTION (Must Select One)

NOTE: This part number will provide the language for Messenger and Statement of Conformity

L	386-1254	LANGUAGE, ENGLISH 0	NC
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USE	REF NO.	MANDATORY ATTACHMENTS	Ship Weight lbs	List Price At Factory
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DOCUMENTATION (CONT.)

DECAL PACKAGES (Must Select One)

NOTE: This part number will provide the films in ANSI or ISO
The word "WARNING" is on picto decals for ANSI.
Symbols only are on picto decals for ISO.

L	442-9940	DECALS, ENGLISH (U.S.) 0 Provides decals as required by ANSI.		NC
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USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FEATURE PACKAGES

REGIONAL OPTIONAL PACKAGES (May Select One or More)

L	396-1966	SNOW ARRANGEMENT 355 INCLUDES: MOUNT, SNOW WING, FRAME READY LIGHTS, WORKING, PLUS LIGHTS, FRONT HEADLIGHTS, HIGH MOUNTING, WARNING LIGHT TRANSMISSION, AUTOSHIFT REQUIRES: HEATER, ENGINE COOLANT, 120V or HEATER, ENGINE COOLANT, 240V REQUIRES: STARTER, ELEC, EXTREME DUTY or STARTER, ELEC, EXTRM DUTY(TUV) REQUIRES: WEATHER, COLD PLUS REQUIRES: CAB, PLUS (STANDARD GLASS) or CAB, PLUS (ANTI-ICING GLASS) RECOMMENDED: MIRRORS, OUTSIDE HEATED		\$9,910
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WORK TOOL PACKAGES(May Select One or More)

L	358-9341	MID MOUNT SCARIFIER PACKAGE 2,076 INCLUDES: - Mid-mount Scarifier, V-Type with 11 Teeth - MOUNT, MID-MOUNT SCARIFIER CANNOT BE USED WITH: Any Front Lift group or CANNOT BE USED WITH: FENDERS, FRONT, NON-AWD		\$16,520
L	390-9182	MOUNT, SNOW WING, FRAME READY 251 INCLUDES: - Snow Wing Mount - Light, Snow Wing, Right Hand INCLUDED IN: Snow Arrangement		\$2,325

LIGHTING PACKAGES (May Select Only One)

L	395-1966	LIGHTS, WORKING, BASIC 19 INCLUDES: - Lights, Work, Heel 3X3 - Lights, Work, Midframe Toe 3X3 - Switch, Work Lighting		\$785
L	395-1967	LIGHTS, WORKING, PLUS 22 INCLUDES: - Lights, Ripper 3X3 - Lights, Work, Heel 3X3 - Lights, Work, Midframe Toe 3X3 - Switch, Work Lighting INCLUDED IN: SNOW ARRANGEMENT		\$1,050

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FEATURE PACKAGES (CONT.)

OTHER OPTIONAL ATTACHMENTS (May Select One or More)

L	338-1132	LIGHT, LED WARNING STROBE 5 Amber high-speed strobe beacon. REQUIRES: MOUNTING, WARNING LIGHT		\$615 NI
L	361-3137	MOUNTING, WARNING LIGHT 10 Provides the bracket for warning beacon light INCLUDED IN: SNOW ARRANGEMENT		\$735
L	396-3515	TRANSMISSION, AUTOSHIFT 5 Improves ease of operation and maximizes productivity by automatically shifting the transmission at optimal shift points. REQUIRED BY: EUROPEAN ARRANGEMENT REQUIRED BY: EUROPEAN AR. W/ ROADING (TUV) INCLUDED IN: SNOW ARRANGEMENT		\$3,250
L	380-3070	LIGHTS, SERVICE, INTERNAL 5 Provides two lights operated by a single manual switch located in the rear enclosure. One light illuminates the engine compartment and the second light illuminates the hydraulic level sight gauge.		\$195

OPERATOR ENVIRONMENT

CAMERA (May Select One)

L	396-3921	CAMERA, REAR VISION 15 Provides a 115 degree color camera mounted on the rear of the hood that is connected to a 7 inch (178mm) LCD color display mounted in the cab which shows the view behind the machine. CAN NOT BE USED WITH: EUROPEAN AR. W/ ROADING (TUV) NOTE* EUROPEAN AR. W/ ROADING (TUV) includes front and rear facing cameras		\$2,575
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MIRRORS (May Select One)

L	233-3295	MIRRORS, OUTSIDE MOUNTED 32 Provides two convex mirrors for outside mounting on the left and right cab grab irons. NOTE: The mirrors are wrapped in bubble wrap and rotated toward the doors for protection during shipment. REQUIRED BY: EUROPEAN ARRANGEMENT INCLUDED IN: EUROPEAN AR. W/ ROADING (TUV)		\$500
L	344-0984	MIRRORS, OUTSIDE HEATED 24V 33 Provides mirrors with a 24V heating element to keep mirrors ice free in cold weather operations. NOTE: The mirrors are wrapped in bubble wrap and rotated toward the doors for protection during shipment. REQUIRED BY: EUROPEAN ARRANGEMENT		\$675

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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TECHNOLOGY PRODUCTS

TECHNOLOGY PRODUCTS (May Select One or More)

L	393-6335	SECURITY SYSTEM, MACHINE10 FOR USE IN LANE 3 ONLY Provides a programmable system to manage access to the machine using special MSS keys. Deters theft, vandalism, and unauthorized use. Programmable features allow the following: * limits operators to selected machines * controls the days and hours equipment may be started * controls access by untrained operators or personnel		\$730
L	458-2072	STABLE GRADE 3 FOR USE IN LANE 3 ONLY Provides sensor and software to automatically reduce engine speed in various applications to reduce machine bounce and scalloping of surface.Ā		\$2,500
L	483-2354	CONTROL, AUTO ARTICULATION 0 500 machine hour free trial. Improves ease of operation, increases maneuverability and maximizes productivity by automatically matching articulation angle to steering angle. Includes 3 position rocker switch enabling 3 modes; off / forward / both forward and reverse. REQUIRED BY: 384-8606 12M3 MOTOR GRADER		NC

TIRES, RIMS, AND WHEELS

SPARE RIMS LANE 3 ONLY (May Select One)

L	252-0108	RIM, 10" X 24" MP (SPARE) 200 FOR USE WITH LANE 3 ONLY Can be used on front and rear. **NOTE** AVAILABLE for use as NOT INSTALLED with Miscellaneous order for RIPPER-SCARIFIER, REAR using OP-2970 12M3 MISC MATERIAL		\$1,395 NI
L	252-0112	RIM, 14" X 25" MP (SPARE) 228 FOR USE WITH LANE 3 ONLY Can be used on front and rear. **NOTE** AVAILABLE for use as NOT INSTALLED with Miscellaneous order for RIPPER-SCARIFIER, REAR using OP-2970 12M3 MISC MATERIAL		\$1,640 NI

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GUARDS

GUARDS (May Select One or More)

L	370-3845	GUARD, AXLE HOSE 15 Provides additional protection to the front axle cylinders, lines, and fittings. *NOTE* NOT recommended for use with tire chains		\$1,090
L	366-2459	GUARD, TRANSMISSION 310 Provides a steel guard to protect the transmission from ground debris. INCLUDED IN: EUROPEAN ARRANGEMENT INCLUDED IN: EUROPEAN AR. W/ ROADING (TUV) REQUIRED BY: SOUND SUPPRESSION (BOTTOM)		\$3,450
L	377-1602	SOUND SUPPRESSION (BOTTOM) 243 Provides two metallic side panels on either side of the transmission guard, enclosing the rear of the machine. This option prevents debris from accumulating on top of the transmission guard and also suppresses sound to meet EU sound regulations. REQUIRES: GUARD, TRANSMISSION REQUIRES: GUARD GP, HITCH INCLUDED IN: EUROPEAN ARRANGEMENT INCLUDED IN: EUROPEAN AR. W/ ROADING (TUV) CANNOT BE USED WITH: ARTICULATION GUARD		\$2,125
L	307-1477	SOUND SUPPRESSION, ENGINE ENCL 32 Suppression panels in engine enclosure doors. INLCUDED IN: EUROPEAN ARRANGEMENT INCLUDED IN: EUROPEAN AR. W/ ROADING		\$1,565
L	308-7368	FENDERS, FRONT, NON-AWD 124 Non-metallic front fenders aid in reducing the build-up of mud, snow, or debris. Front fenders are compatible with all Non-AWD tire sizes offered by the factory. ** NOT RECOMMENDED FOR USE WITH TIRE CHAINS. CANNOT BE USED WITH: MID MOUNT SCARIFIER PACKAGE CANNOT BE USED WITH: GUARD, AXLE HOSE		\$4,190
L	262-0413	FENDERS, REAR 344 Provides non-metallic rear fenders to aid in reducing the build-up of mud, snow, or debris. Rear fenders are compatible with all MG tire sizes offered by the factory. INCLUDED IN: EUROPEAN AR. W/ ROADING (TUV) ** NOT RECOMMENDED FOR USE WITH TIRE CHAINS.		\$5,100

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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OTHER ATTACHMENTS

STARTING AIDS (May Select One)

L	249-5516	HEATER, ENGINE COOLANT, 120V 3 Engine coolant heater for 120 volt external power source. REQUIRED BY: SNOW ARRANGEMENT		\$247
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WORK TOOLS

WORK TOOLS (May Select One or More)

L	360-5074	MOUNT, MID-MOUNT SCARIFIER 131 Brackets welded to front frame for future installation of midmount scarifier. INCLUDED IN: SCARIFIER, MID-MOUNT V-TYPE NOTE: This is the mounting only and does not include the scarifier. RECOMMENDED: Hydraulics with a mid-mount scarifier (MMS) function NOTE: If you intend to purchase the mid-mounted scarifier, please note that the actual scarifier cannot be attached to the machine at same time as the LIFT GROUP, MANUAL, FRONT		\$1,545
L	367-6880	COUNTERWEIGHT 885 Front mounted.Recommended when machine is not equipped with front or rear mounted work tool attachments to provide additional blade performance capability. NOTE:This cannot be used in conjunction with push plate, mid mount scarifier,front lift work tools,or the 'installed' hydraulic front lift. It can be used with a not installed hydraulic front lift NOT RECOMMENDED FOR USE WITH: RIPPER-SCARIFIER, REAR CANNOT BE USED WITH: PUSH PLATE CANNOT BE USED WITH: LIFT GROUP, MANUAL, FRONT (Installed)		\$3,245
L	367-6842	PUSH PLATE, COUNTERWEIGHT 2,822 **NOTE** NOT INSTALLED option is only for use with Miscellaneous orders using OP-2970 12M3 MISC MATERIAL Front mounted. Recommended when machine is equipped with rear ripper/scarifier and other rear mounted attachments. NOTE: This cannot be used in conjunction with counterweight, any front lift work tools,or the 'installed' hydraulic front lift. It can be used with a not installed hydraulic front lift CANNOT BE USED WITH: COUNTERWEIGHT CANNOT BE USED WITH: LIFT GROUP, MANUAL, FRONT (Installed)	2,822 2,822	\$5,720 \$5,720 NI

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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WORK TOOLS (CONT.)

WORK TOOLS (May Select One or More) (Cont.)

L	312-2204	LIFT GROUP, MANUAL, FRONT	1,500 1,500	\$11,190 \$11,190 NI
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Front hydraulic lift without any work tool attached.
 Note: This Front Lift Group has manual locking pins.

INSTALLED COMPATIBILITY:
 REQUIRES: MOUNTING, FRONT LIFT
 REQUIRES: Hydraulics control part number that has front lift (FL) function
 REQUIRED, to use Front Scarifiers
 CANNOT BE USED WITH: PUSH PLATE
 CANNOT BE USED WITH: COUNTERWEIGHT
 CANNOT BE USED WITH: MID MOUNT SCARIFIER PACKAGE

(The Installed Manual Lift Group can be attached to the machine at the same time as the mounting for the mid-mount scarifier, but not the actual scarifier itself).

NOTE: A Not-Installed Manual Lift Group can be ordered with an INSTALLED Push Plate or Counterweight. The not-installed lift group will be skidded, banded and shipped with the unit.

NOT INSTALLED COMPATIBILITY:
 REQUIRES: MOUNTING, FRONT LIFT
 REQUIRES: Hydraulics control part number that has front lift (FL) function

L	359-3925	MOUNTING, FRONT LIFT	10	\$448
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Two mounting plates welded to both sides of the front frame for factory or future installation of Front Lift.

REQUIRED BY: LIFT GROUP, MANUAL, FRONT

L	387-8664	LINES, RIPPER, ADDITIONAL	8	\$433
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For use with rear mounted auxiliary functions. Provides two hydraulic hoses with one end bundled at the rear of the machine and the other end bundled at the rear valve bank in front of the cab.

REQUIRES: Ripper Function
 FOR USE WITH: BASE + 1 (RIP)
 FOR USE WITH: BASE + 2 (FL, RIP)
 FOR USE WITH: BASE+ 3 (FL,DA1,RIP)
 FOR USE WITH: BASE+ 4 (WM,WT-FLOAT,FL,RIP)
 FOR USE WITH: BASE+ 4 (WM,WT,FL,RIP) NOFLT
 FOR USE WITH: BASE+ 5 (WM,WT,DA1,FL,RIP)
 FOR USE WITH: BASE+ 6 (WM,WT,DA1,DA2,FL,RIP)

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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GROUND ENGAGING TOOLS

GROUND ENGAGING TOOLS (May Select One or More)

P	8J-1434	TOOTH, RIPPER	67 67	\$820 \$820 NI
		<p>**NOTE** AVAIALABLE for use as NOT INSTALLED ONLY with Miscellaneous order for RIPPER-SCARIFIER, REAR using OP-2970 12M3 MISC MATERIAL Ripper tooth group for rear ripper. Includes one straight shank with ripper tooth. Recommended order quantity of 2 FOR USE WITH: RIPPER/SCARIFIER</p>		
P	4K-3330	SHANKS/TEETH, RIPPER/SCARIFIER	152 152	\$1,424 \$1,424 NI
		<p>**NOTE** AVAIALABLE for use as NOT INSTALLED ONLY with Miscellaneous order for RIPPER-SCARIFIER, REAR using OP-2970 12M3 MISC MATERIAL Nine shanks for ripper and scarifier combination. Utilizes the scarifier shank positions on a ripper and scarifier combination. Will work with a midmount scarifier FOR USE WITH: RIPPER/SCARIFIER</p>		

GROUND ENGAGING TOOLS LANE 3 ONLY (May Select Only One)

NOTE: NOTE: Endbit Overlays must be removed before installing the blade extension.

NOTE: NOTE: Blade extensions are not compatible with AccuGrade systems that require mast installation on the moldboard. This is due to interference between the mast mounting bracket and the blade extension mounting hardware. The mast mounting bracket must be removed prior to blade extension installation.

L	452-3133	EXTENSION, BLADE, 24" X 24" X 7/8" LH	250	\$2,215 NI
		<p>FOR USE WITH LANE 3 ONLY Left hand extension. Ships not-installed. FOR USE WITH: MOLDBOARD, 12 FT FOR USE WITH: MOLDBOARD, 14 FT, BASIC</p>		
L	452-3132	EXTENSION, BLADE, 24" X 27" X 1" LH	250	\$2,215 NI
		<p>FOR USE WITH LANE 3 ONLY Left hand extension. Shipped not-installed. FOR USE WITH: MOLDBOARD, 14 FT, PLUS</p>		
L	243-6685	EXTENSION, BLADE, 24" X 27" X 7/8" RH	240	\$2,215 NI
		<p>FOR USE WITH LANE 3 ONLY Right hand extension. Shipped not-installed FOR USE WITH: MOLDBOARD, 12 FT FOR USE WITH: MOLDBOARD, 14 FT, BASIC</p>		
L	110-5326	EXTENSION, BLADE, 24" X 27" X 1" RH	250	\$2,215 NI
		<p>FOR USE WITH LANE 3 ONLY Right hand extension. Shipped not-installed. FOR USE WITH: MOLDBOARD, 14 FT, PLUS</p>		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FIELD INSTALLED ATTACHMENTS

Please refer to the Caterpillar Work Tools Price List (WT-MG) for Motor Grader work tools.

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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FIELD INSTALLED ATTACHMENTS (CONT.)*Available Through Parts Distribution*

Reference numbers below are kits used to upgrade existing motor graders with new features or technology

463-6258	KIT, JOYSTICK,ADVANCED CONTROL Improves operational efficiency when utilizing ACCUGRADE or GRADE CONTROL X SLOPE. Estimated install Hours: 2.5 Special Instructions: REHS8847
442-8145	KIT, ACCUMULATOR, BLADE LIFT Provides hydraulic lines for base functions and accumulators for the blade lift. Allows approximately 1-3" of vertical blade travel to reduce impact loads. Nitrogen/oil accumulators activated by electric switch. Estimated install Hours: 8 Special Instructions: REHS4230
466-5233	KIT, EXTENSIONS, MIRROR STD 9" extension from Current Mirror, adds 2 additional mirrors, 1 for front visibility and 1 rear visibility Estimated install Hours: 2
466-5255	KIT, EXTENSIONS, MIRROR HEATED 9" extension from Current Mirror, adds 2 additional mirrors 1 for front visibility and 1 rear visibility. Heated to keep free of ice and snow in cold weather Estimated install Hours: 2

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	List Price At Factory
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PACKING

(Must Select One or More)

DOMESTIC PACKING

0P-0251	DOMESTIC TRUCK	0	NC
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EXPORT PACKING

0P-6645	BUNDLED, LESS TIRES Ships less tires. Rims ship on a separate skid.	0	\$1,135 NET
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ATTACHMENT PACKING (May Select One or More)

0P-0210	PACK, DOMESTIC TRUCK Use for miscellaneous material orders.	0	NC
0P-1935	BUNDLED FRONT LIFT GROUP Required when ordering the Not Installed Lift Group,Manual,Front	0	\$1,135
0P-8006	BUNDLED, NI BLADE EXTENSION FOR USE WITH: Blade Extension.	0	\$312 NET