M314F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Cat C4.4, EPA/ARB Tier 4 final & EU
-Stage IV certified engine
-Altitude capability: 3000m/9842 ft
-Automatic starting aid

UNDERCARRIAGE

Four wheel drive
Heavy-duty axles with advanced disc brake system and travel motor with adjustable braking force
Hydrostatic transmission, two speed remote greasing point
Automatic lock mode for oscillating front axle & service brake
Steps including tool boxes, left & right

HYDRAULICS

Heavy lift mode
Separate swing pump
Load sensing hydraulic system

ELECTRICAL

Alternator,100 Ampere
Roading lights (two front, two rear)
Signal/warning horn
Refueling pump

OPERATOR ENVIRONMENT

Reinforced cab structure compliant with 2006/42/EC and tested according ISO 12117-2:2008
Air conditioner heater & defroster
24 Volt lighter
Bolt-on FOGS capability
Bottom mounted, intermittent, parallel wiper and washer
Full graphic and full color display
Interior lighting with door switch
Joysticks, pilot operated
Left side console, tiltable, with lock-out for all controls
FM radio incl. speakers
Power supply, 12V-10A
Steering column, adjustable angle & height
Sunshade for windshield and skylight
Cruise control system
Pin code type engine start prevention
RHS and rear view camera (incl.lights) displayed on additional cab monitor

OTHER STANDARD EQUIPMENT

BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake

M314F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Lane 2 is reserved for the Base Order Management program.
Please only use Lane 2 when placing orders that are part of the Base Order Management Program.

512-3077 **M314F WHL HEX AM-N DCA3** 0 **$258,750**
LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work:
Blade front, stabilizers rear, VA boom, 8'6" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , 315 linkage compatible.

The following attachments MUST be selected from Lane 1 Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3131 M314F WHEEL EXCAVATOR
503-4940 BOOM, VA, A-LUBE
490-6087 STICK, 2.6M (8'6") A-LUBE
511-8480 UC BLADE R FRONT / OUT. REAR
474-7221 TIRES, MITAS 10.00-20 DUAL
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
373-6030 SEAT COMFORT W/51 MM (W/2") SEAT BELT
123-4968 PIN, BUCKET, ADJ
438-7855 CONTROL, 1PC & VA
491-8396 LIGHTS, LED
383-3964 PEDAL, HPF/HAMMER
494-0903 SETTING, QC CTRL, PIN GRABBER
422-9762 BEACON, ROTATING, REMOVABLE
497-1005 JOYSTICK, 1-SLIDER
431-9304 CONTROL, JOYSTICK STEERING
491-1065 MIRROR, VA/MH
473-2982 DECALS, NORTH AMERICA (ANSI)
443-7981 COUNTERWEIGHT, 3300 KG (7275 LBS)
453-7125 COOLING SYSTEM, STANDARD
454-2154 STEPS, UC
505-5366 ALARM, BACK-UP
459-6004 PRODUCT LINK, CELLULAR PL641
492-8465 CONTROLLER, ELECTRONIC XL
463-3881 SPEED 37 KPH (23 MPH)
465-1383 BLCV, VA & OFFSET
465-1387 HYDRAULIC OIL, MINERAL
503-4005 JOYSTICK PATTERN, CHANGEABLE

NOTE: Please refer to the Lane 1 section to complete your order.

501-3131 **M314F WHEEL EXCAVATOR** 0 **$176,470**
LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A, KOREA.

M314F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

		Ship Weight lbs	LIST PRICE AT DEALER
0G-0543	**M314F MISCELLANEOUS MATERIAL**	0	**NC**
	AVAILABLE FROM GRENOBLE FACTORY		

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.		Ship Weight lbs	LIST PRICE AT DEALER

NOTE

IF NO REFERENCE NUMBER IS LISTED, FTO CONFIGURATION IS NOT AVAILABLE

USE	REF NO.	LANE 1 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

LANE SELECTION

0P-9001 **LANE 1 ORDER** . . . . . 0 **NC**
ONLY FOR USE WITH: Distribution Center Arrangements (DCA) from PDC

EXPORT PACKING

0G-9240 **COMPLETE STORAGE PROTECTION** . . . . . 0 **$377 NET**
Includes CILIX and foam protection on all cylinders
Machines from the factory have been sprayed with Fluid Film TM.
This product is added for corrosion protection while shipping
and for extended storage periods. This product will need to be power
washed with soapy water prior to shipment to the customer.
Cilix and foam protection on all cylinders are also included
in this storage protection procedure.
Includes operator protections in cab
Required for: Shipping by sea from Grenoble France
Recommended for: all type of long distance shipment

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC
		Only for dealers enrolled in the Base Orders Management (BOM) program.		
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS

Arrangements for standard sticks

L	503-4075	BOOM, 1PC, A-LUBE	0	$34,630
		Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control boom lines. One piece boom 4.815M / 15’ 10” ONLY FOR USE WITH: LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick 440-3173		
L	503-4940	BOOM, VA, A-LUBE	0	$36,620
		Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control boom lines. Two piece boom 5.028M / 16’ 6” CANNOT BE USED WITH: Drop nose stick 440-3173		

Arrangements for drop nose sticks

STICK ARRANGEMENTS

L	490-6083	STICK, 7’5", A-LUBE	0	$14,310
		Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. with CVC type quick disconnect couplings Quick coupler control stick lines. Automatic Lubrication System stick lines. ONLY FOR USE WITH: Boom Arrangement for standard sticks		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

STICK ARRANGEMENTS (Cont.)

L	490-6087	**STICK, 8'6'', A-LUBE**	0	$14,690

Includes:
Bucket linkage and cylinder.
High pressure auxiliary hydraulic circuit stick lines.
Medium pressure auxiliary hydraulic circuit stick lines.
with CVC type quick disconnect couplings
Quick coupler control stick lines.
Automatic Lubrication System stick lines.
ONLY FOR USE WITH: Boom Arrangement for standard sticks
CANNOT BE USED WITH: Offset boom

DROP NOSE STICKS WITHOUT BUCKET LINKAGE

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.
Smartboom eases operations and improves operator comfort.
It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

Arrangements including Ride Control

L	475-5702	**RIDE CONTROL, 1PC**	0	$4,290

Arrangement including Ride Control & BLCV
Note: Smartboom not included
ONLY FOR USE WITH: One piece boom (1PC)
LANE 3 ONLY
CANNOT BE USED WITH: Drop nose stick

L	475-5703	**RIDE CONTROL, VA**	0	$5,420

Arrangement including Ride Control & BLCV
Note: Smartboom not included
ONLY FOR USE WITH: Two piece boom (VA)
CANNOT BE USED WITH: Drop nose stick

L	475-5706	**RC, 1PC INCL. SMARTBOOM**	0	$7,120

Arrangement including Ride Control & BLCV
Includes: Smartboom
ONLY FOR USE WITH: One piece boom (1PC)
LANE 3 ONLY
CANNOT BE USED WITH: Drop nose stick

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL (Cont.)

L	465-1385	**RC, VA INCL. SMARTBOOM**	0	$8,230
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: Two piece boom (VA) CANNOT BE USED WITH: Drop nose stick		

Arrangements without Ride Control

L	463-3913	**BLCV, 1PC**	0	NC
		Note: Smartboom not included without Ride Control ONLY FOR USE WITH: One piece boom (1PC) LANE 3 only		
L	465-1383	**BLCV, VA & OFFSET**	0	$1,110
		Note: Smartboom not included without Ride Control ONLY FOR USE WITH: Two piece boom (VA & Offset)		

POWERTRAIN

TRAVEL SPEED

Includes:
48 degrees C / 118.8 degrees F cooling capability

L	463-3881	**SPEED 23 MPH**	0	NC
		Travel speed 37kph / 23mph CANNOT BE USED WITH: Cooling Package Fine Mesh Solid Rubber Tires		
L	463-3882	**SPEED 12.4 MPH, FINE MESH**	0	NC
		Travel speed 20kph / 12.4mph ONLY FOR USE WITH: Cooling Package Fine Mesh		
L	463-3884	**SPEED 23 MPH, FINE MESH**	0	NC
		Travel speed 37kph / 23mph ONLY FOR USE WITH: Cooling Package Fine Mesh CANNOT BE USED WITH: Solid Rubber Tires		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

Axle width 2.5M / 8′ 2"

L	511-8479	**UC BLADE R REAR**	0	$9,050
		Includes: Welded undercarriage No front attachment Radial blade rear remote greasing (width: 2.55M / 8’ 4”) Axle width 2.5M / 8’ 2"		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

UNDERCARRIAGE ARRANGEMENTS (Cont.)

L	503-3998	**UC BLADE R REAR, TRAILER READY**	0	$15,950
		Includes: Welded undercarriage No front attachment Radial blade rear remote greasing (width: 2.55M / 8' 4") Axle width 2.5M / 8' 2" Trailer preparation (bracket for trailer hook at blade , electrical & hydraulic ports at undercarriage)		
L	511-8480	**UC BLADE R FRONT / OUT. REAR**	0	$19,570
		Includes: Welded undercarriage Outriggers rear Radial blade front remote greasing (width: 2.55M / 8' 4") Axle width 2.5M / 8' 2"		
L	511-8481	**UC OUT. FRONT / BLADE R REAR**	0	$20,300
		Includes: Welded undercarriage Outriggers front Radial blade rear remote greasing (width: 2.55M / 8' 4") Axle width 2.5M / 8' 2" ONLY FOR USE WITH: LANE 3 ONLY		
L	511-8482	**UC OUT. FRONT & REAR.**	0	$23,210
		Includes: Welded undercarriage Outriggers front Outriggers rear Axle width 2.5M / 8' 2"		

STEPS & FENDERS

L	454-2154	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox.		
L	455-7171	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine.		

TIRES

DUAL TIRES

L	474-7221	**TIRES, MITAS 10.00-20 DUAL**	0	$1,820
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		
L	478-6660	**TIRES,MITAS EM23 10.00-20 DUAL**	0	$2,900
		MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16. Higher resistance to puncture and tread wear due to higher filling of tread area. Special tread pattern for stony and hard terrain. Spacer rings are included.		
L	474-7226	**TIRES,SOLID RUB.10.00-20 DUAL**	0	$16,160
		SOLID RUBBER Tires for industrial applications. Requires: 20kph / 12.4mph travel speed Spacer rings are included.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

TIRES (Cont.)

SINGLE TIRES

L	304-9736	**TIRES,MICH.18R19.5 XF SINGLE.**	1,349	$6,580
		MICHELIN XF, 445/70R 19.5 Radial single tire with aggressive directional tread designed to deliver exceptional traction and performance.		

HYDRAULICS

MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS

L	431-8614	**CONTROL, MPF**	0	$1,280
		Provides medium pressure circuit for tool rotation/tilt. ONLY FOR USE WITH: One piece boom (1PC) Two piece boom (VA)		
L	431-9304	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Provides medium pressure circuit for tool rotation/tilt. Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit ONLY FOR USE WITH: One piece boom (1PC) Two piece boom (VA)		

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		
L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

SEATS & SEAT-BELTS

Comfort Seat

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

SEATS & SEAT-BELTS (Cont.)

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 2"/51mm retractable seat belt		
L	393-1386	**SEAT COMFORT W/3" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 3"/76mm retractable seat belt		

Deluxe Seat

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 2"/51mm retractable seat belt		
L	393-1387	**SEAT DELUXE W/3" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 3"/76mm retractable seat belt		

AUXILIARY HYDRAULIC PEDAL

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick. CANNOT BE USED WITH: Drop nose stick		

HYDRAYLIC JOYSTICK PATTERN

L	503-4005	**JOYSTICK PATTERN, CHANGEABLE**	0	$930
		Provides ability to change from the standard excavator joystick control pattern (SAE) for hydraulic functions to the backhoe joystick control pattern (ISO).		

HYDRAULIC JOYSTICK

L	497-1005	**JOYSTICK, 1-SLIDER**	0	NC
		Provides standard joysticks with 1 slider and 4 buttons.		
L	488-1890	**JOYSTICK, 2-SLIDER**	0	$1,245
		Provides enhanced joysticks with 2 sliders and 5 buttons.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. CANNOT BE USED WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		
L	492-8465	**CONTROLLER, ELECTRONIC XL**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. ONLY FOR USE WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		

CONTROL MAIN VALVE

L	438-7855	**CONTROL, 1PC & VA**	0	NC
		Implement Control Valve including 2-way tool control. ONLY FOR USE WITH: Boom Arrangements for standard sticks		

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641**	0	NC
		Product Link Pro series PL641 uses UMTS 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.		
L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING / CAB GUARD

Arrangements without Cab Guard

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights Includes cab rain visor. Without Cab Guard		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

SAFETY AND SECURITY (CONT.)

LIGHTING / CAB GUARD (Cont.)

Arrangements Including Cab Guard

L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights Includes cab guards front and roof.		

MIRRORS

L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	489-4673	**MIRROR, ELECTRIC, 1PC.**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: One piece booms LANE 3 ONLY		
L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	491-1066	**MIRROR, 1PC.**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: LANE 3 ONLY One piece booms		

COOLING

COOLING PACKAGE

L	453-7125	**COOLING SYSTEM, STANDARD**	0	NC
L	463-7086	**COOLING SYSTEM, FINE MESH**	0	$905
		Provides improved protection to the radiator, the ATAAC, the A/C condenser to prevent clogging, when working with the machine in dusty environments. Includes an additional engine air pre-cleaner.		

FRAMES

COUNTERWEIGHTS

L	443-7980	**COUNTERWEIGHT, 6170 LBS**	0	$560
		Standard Counterweight 2800KG / 6150LBS		
L	443-7981	**COUNTERWEIGHT, 7275 LBS**	0	$655
		Heavy Counterweight 3300KG / 7250LBS Recommended for use with: Two piece boom and blade only undercarriage arrangements		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

FLUIDS

LUBRICATIONS

L	465-1387	HYDRAULIC OIL, MINERAL Filling with Cat HYDO Advanced 10 oil	0	NC

INSTRUCTIONS

INTERNATIONAL INSTRUCTIONS

L	473-2982	DECALS, NORTH AMERICA (ANSI)	0	NC

PACKING

EXPORT PACKING

	0G-9240	COMPLETE STORAGE PROTECTION Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix and foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment	0	$377 NET

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control and stick lines to complete auxiliary circuit.
REQUIRES 2- Slider Joystick

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	509-9875	**CONTROL, 2ND HPF, 1PC**	0	$5,870
		Second high pressure control valve. ONLY FOR USE WITH: One piece boom & 2-slider joystick LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	509-9876	**CONTROL, 2ND HPF, VA**	0	$5,570
		ONLY FOR USE WITH: Two piece boom (VA) & 2-slider joystick CANNOT BE USED WITH: Drop nose stick		

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT STICK LINES

Must order stick lines to complete auxiliary circuit.

L	254-2615	**LINES, 2ND HPF, 7'7" STICK**	26	$735
		Second high pressure lines for stick 2.3M / 7' 7". REQUIRED BY: CONTROL 2ND HPF		
L	254-2616	**LINES, 2ND HPF, 8'6" STICK**	29	$835
		Second high pressure lines for stick 2.6M / 8' 6". REQUIRED BY: CONTROL 2ND HPF		

COUPLINGS CIRCUIT

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" Provides a set of two adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt)		

QUICK COUPLER CONTROL SETTINGS

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler. CANNOT BE USED WITH: Cat Tiltrotator Support Drop nose stick, CW-type quick coupler		
L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of cat tilt rotator support Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure. ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

ELECTRICAL

ALARM

L	505-5366	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: USA & Canada dealers Acoustical warning signal when moving the machine .		

SAFETY AND SECURITY

BEACON

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

MACHINE SECURITY SYSTEM

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Advanced, programmable system to manage access to machine. Requires special Machine Security System keys. Machine shipped with system inactive but with two of these keys already programmed into system. Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys. Additional keys available through Parts Distribution.		

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible with pin-on CAT Tilt-Rotator System (TRS) models.
If the machine will be equiped with a pin-on TRS model please select PIN,BUCKET,ADJ.

P	123-4968	**PIN, BUCKET, ADJ**	68	$362
			68	$362 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" CANNOT BE USED WITH: Drop nose stick		

EXCAVATION BUCKETS (CW Coupler Buckets)

These buckets cannot be ordered with MISC Material Order.
Dealers in AM-N can place miscellaneous bucket orders by consulting Cat Work Tools at 1-800- 255-2372 for bucket options, availability and appropriate ordering instructions.

FIELD INSTALLED ATTACHMENTS

Kits for field installation.
Please contact Product Group if further details are required.

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

FIELD INSTALLED ATTACHMENTS (CONT.)

L	473-7060	KIT, CAB GUARD, FOGS . . . . . Provides cab guards front and top for field installation. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"	0	$4,885 NI

PACKING

Export Packing

	0G-3565	PACKING -SEA/TRUCK MISC.MATER.. . . . . ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)	0	$217 NET

M315F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Diesel engine, CAT C4.4 Twin Turbo certified to EPA Tier4 Final, EU Stage IV, MLIT 2014
-After-treatment system: CEM (DOC + DPF + SCR) and DEF System
Variable fan speed control
Automatic Engine speed Control (AEC), incl:-One touch low idle
-Automatic (programmable) idling shut down
Fuel filtration with water separator and indicator
3000m altitude capability without de-rate (9840ft)
48 deg. C ambient cooling capability without de-rate (118f)
100 amp. Alternator
Capability of using Bio-Diesel fuel (B20)
Power mode selector

UNDERCARRIAGE

Four wheel drive
Hydrostatic transmission, two speed
Creeper speed
Automatic lock mode for oscillating front axle & service brake
Steps incl. tool boxes, left & right

HYDRAULICS

Hydraulic
BLCV, FLCV and SLCV
Anti drift valve for bucket cylinder
Overload warning device
Heavy lift mode
Adjustable hydraulic sensitivity
Separate swing pump
Automatic swing brake
High pressure 2-way tool control circuit
Medium pressure 2-way auxiliary hyd circuit
CVC-type quick disconnect couplings on medium pressure circuit ports

ELECTRICAL

Maintenance free battery
Roading lights incl. high beam & turn indicator

OPERATOR ENVIRONMENT

Cab
Sound suppressed ROPS cab (ISO 12117-2 compliant) with viscous mount
Sealed cab with positive filtered ventilation
Sunshade for windshield and skylight
Full graphic 7inch LCD monitor
Air conditioner heater & defroster
12V power supply with socket (Max 10amp)
Pin code type engine start prevention
Cruise control system
FM radio incl. speakers
Steering column, adjust angle & height
Sliding door windows
Washable floormat
Interior utilities (Interior lighting, coat hook,beverage holder
Literature holder, Document holding space,and Cab rear storage compartment)

SAFETY AND SECURITY

RHS and rearview cameras (incl. Lights) displayed on additonal cab monitor
Tiltable LHS console with lock-out for all controls
Ground level accessible secondary engine shutoff switch in cab
Signaling/ Warning horn
Safety hammer for cab evacuation

OTHER STANDARD EQUIPMENT

Autolubrication system covering front linkage & swing bearing
Sampling ports for Scheduled Oil Sampling (S.O.S)
Counterweight 3750kg (8268lbs)
CAT Product Link
Refueling pump

M315F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

		Ship Weight lbs	LIST PRICE AT DEALER
529-6940	**M315F WHL HEX AM-N DCA2**	0	**$276,240**

LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work needing one lane clossure: Blade front, stabilizers rear, VA boom, 8'1" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , 315 linkage compatible.

The following attachments MUST be selected from Lane 1 Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
488-2661 M315F WHEEL EXCAVATOR
492-5186 BOOM, VA, A-LUBE
490-6084 STICK,2.45 M (8'1") , A-LUBE
471-7742 UC BLADE R FRONT/ OUT.REAR
474-7221 TIRES, MITAS 10.00-20 DUAL
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
373-6030 SEAT COMFORT W/51 MM (W/2") SEAT BELT
123-4968 PIN, BUCKET, ADJ
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
454-2154 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
473-2982 DECALS, NORTH AMERICA (ANSI)
488-1890 JOYSTICK, 2-SLIDER
489-3850 ALARM, BACK-UP
489-3856 CONTROLLER, ELECTRONIC XL
490-5214 CONTROL, JOYSTICK STEERING
490-6094 COOLING SYSTEM, STANDARD
490-6947 HYDRAULIC OIL, MINERAL
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-5194 RIDE CONTROL, VA
494-0903 SETTING, QC CTRL, PIN GRABBER
517-9999 SPEED 35 KPH (21.7 MPH)

NOTE: Please refer to the Lane 1 section to complete your order.

488-2661	**M315F WHEEL EXCAVATOR**	0	**$190,180**

LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU,

M315F HYDRAULIC WHEEL EXCAVATOR GRENOBLE, FRANCE		Ship Weight lbs	LIST PRICE AT DEALER
0G-0582	**M315F MISCELLANEOUS MATERIAL**.	0	**NC**
	AVAILABLE FROM GRENOBLE FACTORY		

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.	LANE 1 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

LANE SELECTION

0P-9001 **LANE 1 ORDER** . . . . . 0 **NC**
ONLY FOR USE WITH: Distribution Center Arrangements (DCA) from PDC

EXPORT PACKING

0G-9240 **COMPLETE STORAGE PROTECTION** . . . . . 0 **$377 NET**
Includes CILIX and foam protection on all cylinders
Machines from the factory have been sprayed with Fluid Film TM.
This product is added for corrosion protection while shipping
and for extended storage periods. This product will need to be power
washed with soapy water prior to shipment to the customer.
Cilix and foam protection on all cylinders are also included
in this storage protection procedure.
Includes operator protections in cab
Required for: Shipping by sea from Grenoble France
Recommended for: all type of long distance shipment

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS

Includes:
Cab controlled Automatic Lubrication System for
front linkage and swing bearing.
High pressure 2-way tool control circuit boom lines.
Medium pressure auxiliary hydraulic circuit boom lines.
CW & Pin Grabber Quick coupler control boom lines.

L	492-5186	BOOM, VA, A-LUBE Arrangements for standard Stick Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control boom lines. Two piece boom 5.028M / 16’ 6”	0	$36,620

STICK ARRANGEMENTS

Includes:
Bucket linkage and cylinder.
High pressure auxiliary hydraulic circuit stick lines.
Medium pressure auxiliary hydraulic circuit stick lines.
with CVC type quick disconnect couplings.
Quick coupler control stick lines.
Automatic Lubrication System stick lines.

L	490-6083	STICK, 7’5", A-LUBE Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. with CVC type quick disconnect couplings Quick coupler control stick lines. Automatic Lubrication System stick lines.	0	$14,310
L	490-6084	STICK, 8’1’’, A-LUBE Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. with CVC type quick disconnect couplings Quick coupler control stick lines. Automatic Lubrication System stick lines.	0	$14,500

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.

Smartboom eases operations and improves operator comfort. It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

L	492-5194	**RIDE CONTROL, VA**	0	$5,420
		Arrangement including Ride Control & BLCV Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA)		

Arrangements without Ride Control

L	492-5193	**BLCV, VA & OFFSET**	0	$1,110
		without Ride Control Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA & Offset)		

POWERTRAIN

TRAVEL SPEED

L	517-9999	**SPEED 21.7 MPH**	0	NC
		Travel speed 35kph / 21,7mph CANNOT BE USED WITH: Cooling Package Fine Mesh		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

L	445-6579	**UC BLADE R REAR**	0	$9,050
		Includes: Welded undercarriage No front attachment Radial blade rear remote greasing (width: 2.55M / 8' 4") Standard Axle width 2.5M / 8' 2"		
L	471-7742	**UC BLADE R FRONT/ OUT.REAR**	0	$19,570
		Includes: Welded undercarriage Radial blade front remote greasing (width: 2.55M / 8' 4") Outriggers rear Standard Axle width 2.5M / 8' 2"		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

STEPS & FENDERS

L	454-2154	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox. ONLY FOR USE WITH: Welded undercarriage CANNOT BE USED WITH: Welded Heavy Duty undercarriage		
L	455-7170	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine. ONLY FOR USE WITH: Welded undercarriage CANNOT BE USED WITH: Welded Heavy Duty undercarriage		

TIRES

DUAL TIRES

L	474-7221	**TIRES, MITAS 10.00-20 DUAL**	0	$1,820
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		
L	478-6660	**TIRES,MITAS EM23 10.00-20 DUAL**	0	$2,900
		MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16. Higher resistance to puncture and tread wear due to higher filling of tread area. Special tread pattern for stony and hard terrain. Spacer rings are included.		

SINGLE TIRES

L	253-1634	**TIRES,MICH.18R19.5 XF SINGLE.**	1,349	$6,580
		MICHELIN XF, 445/70R 19.5 Radial single tire with aggressive directional tread designed to deliver exceptional traction and performance.		

HYDRAULICS

MEDIUM PRESSURE CONTROL

L	464-5053	**CONTROL, MPF**	0	$1,280
		Provides medium pressure circuit for tool rotation/tilt. Auxiliary medium pressure control circuit ONLY FOR USE WITH: Two piece boom (VA)		
L	490-5214	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Provides medium pressure circuit for tool rotation/tilt. Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit ONLY FOR USE WITH: Two piece boom (VA)		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		
L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

SEANT & SEAT-BELTS

Comfort Seat

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 2"/51mm retractable seat belt		

Deluxe Seat

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 2"/51mm retractable seat belt		

AUXILIARY HYDRAULIC PEDAL

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick.		

HYDRAULIC JOYSTICK

L	497-1005	**JOYSTICK, 1-SLIDER**	0	NC
		Provides standard joysticks with 1 slider and 4 buttons.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

HYDRAULIC JOYSTICK (Cont.)

L	488-1890	**JOYSTICK, 2-SLIDER**	0	$1,245
		Provides enhanced joysticks with 2 sliders and 5 buttons.		

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components.		
		CANNOT BE USED WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		
L	489-3856	**CONTROLLER, ELECTRONIC XL**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components.		
		ONLY FOR USE WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641**	0	NC
		Product Link Pro series PL641 uses UMTS 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.		
L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING / CAB GUARD

Provides LED type cab working lights.

Arrangements without Cab Guard

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights.		
		Includes cab rain visor. Without Cab Guard		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

SAFETY AND SECURITY (CONT.)

LIGHTING / CAB GUARD (Cont.)

Arrangements Including Cab Guard

L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights. Includes cab guards front and roof.		

MIRRORS

L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine.		
L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab		

COOLING

COOLING PACKAGE

L	490-6094	**COOLING SYSTEM, STANDARD**	0	NC

FLUIDS

LUBRICATIONS

L	490-6947	**HYDRAULIC OIL, MINERAL**	0	NC
		Filling with Cat HYDO Advanced 10 oil		

INSTRUCTIONS

INTERNATIONAL INSTRUCTIONS

L	473-2982	**DECALS, NORTH AMERICA (ANSI)**	0	NC

PACKING

EXPORT PACKING

	0G-9240	**COMPLETE STORAGE PROTECTION**	0	$377 NET
		Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix and foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control, boom and stick lines to complete auxiliary circuit.

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	490-6088	**CONTROL, 2ND HPF, VA**	0	$5,570
		Second high pressure control valve. ONLY FOR USE WITH: Two piece boom (VA) & 2-slider joystick		

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT STICK LINES

Must order boom and stick lines to complete auxiliary circuit.

L	254-2615	**LINES, 2ND HPF, 7'7" STICK**	26	$735
		Second high pressure lines for stick 2.3M (7' 7") ONLY FOR USE WITH: Control 2nd HPF & 2.3M Stick REQUIRED BY: CONTROL 2ND HPF		
L	489-7914	**LINES, 2ND HPF, 8'1" STICK**	0	$780
		Second high pressure lines for stick 2.45M (8' 6") ONLY FOR USE WITH: Control 2nd HPF & 2.45M Stick REQUIRED BY: CONTROL 2ND HPF		

COUPLINGS CIRCUIT

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		Provides a set of two adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt) "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

QUICK COUPLER SUPPORT

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler. CANNOT BE USED WITH: CW-type quick coupler Cat Tiltrotator Support		
L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of advanced Rototilt support Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure. ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK CANNOT BE USED WITH: Setting, QC Ctrl, Pin Grabber		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

ELECTRICAL

ALARM

L	489-3850	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: USA & Canada dealers Acoustical warning signal when moving the machine . REQUIRED BY: USA , Canada, COFA dealers		

SAFETY AND SECURITY

BEACON

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

MACHINE SECURITY SYSTEM

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Counterweight mounted Rotating Beacon Advanced, programmable system to manage access to machine. Requires special Machine Security System keys. Machine shipped with system inactive but with two of these keys already programmed into system. Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys. Additional keys available through Parts Distribution.		

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible with pin-on CAT Tilt-Rotator System (TRS) models.
If the machine will be equiped with a pin-on TRS model please select PIN,BUCKET,ADJ.

P	123-4968	**PIN, BUCKET, ADJ**	68 68	$362 $362 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

FIELD INSTALLED ATTACHMENTS

NOT INSTALLED ATTACHMENTS

Kits for field installation.
Please contact Product Group if further details are required.

L	473-7060	**KIT, CAB GUARD, FOGS**	0	$4,885 NI
		Provides cab guards front and top for field installation. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

PACKING

EXPORT PACKING

	0G-3565	**PACKING -SEA/TRUCK MISC.MATER..**	0	$217 NET
		ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

PACKING (CONT.)

EXPORT PACKING (Cont.)

0G-3561	PACKING - SEA/TRUCK BH BUCKET	0	$283 NET
	ONLY FOR USE WITH: Only with Not installed bucket (Ni)		

M316F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Cat C4.4, EPA/ARB Tier 4 final & EU
-Stage IV certified engine
-Altitude capability: 3000m/9842 ft
-Automatic starting aid

UNDERCARRIAGE

Four wheel drive
Heavy-duty axles with advanced disc brake system and travel motor with adjustable braking force
Hydrostatic transmission, two speed
Automatic lock mode for oscillating front axle & service brake
Steps including tool boxes, left & right

HYDRAULICS

Heavy lift mode
Separate swing pump
Load sensing hydraulic system

ELECTRICAL

Alternator,100 Ampere
Roading lights (two front, two rear)
Signal/warning horn
Refueling pump

OPERATOR ENVIRONMENT

Reinforced cab structure compliant with 2006/42/EC and tested according ISO 12117-2:2008
Air conditioner heater & defroster
24 Volt lighter
Bolt-on FOGS capability
Bottom mounted, intermittent, parallel wiper and washer
Full graphic and full color display
Interior lighting with door switch
Joysticks, pilot operated
Left side console, tiltable, with lock-out for all controls
FM radio incl. speakers
Power supply, 12V-10A
Steering column, adjustable angle & height
Sunshade for windshield and skylight
Cruise control system
Pin code type engine start prevention
RHS and rear view camera (incl.lights) displayed on additional cab monitor

OTHER STANDARD EQUIPMENT

BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake

M316F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Lane 2 is reserved for the Base Order Management program.
Please only use Lane 2 when placing orders that are part of the Base Order Management Program.

512-3078 **M316F WHL HEX AM-N DCA3** 0 **$284,220**
LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work:
Blade front, stabilizers rear, VA boom, 8'6" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , 315 linkage compatible.

The following attachments MUST be selected from Lane 1 Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3132 M316F WHEEL EXCAVATOR
503-4941 BOOM, VA, A-LUBE
503-2177 STICK, 2.6M (8'6") A-LUBE
471-7742 UC BLADE R FRONT/ OUT.REAR
373-6030 SEAT COMFORT W/51 MM(W/2") SEAT BELT
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
123-4968 PIN, BUCKET, ADJ
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
431-9304 CONTROL, JOYSTICK STEERING
440-3558 SPEED 21.7 MPH(35KPH)
443-7991 COUNTERWEIGHT, 8156 LBS (3700 KG)
445-6577 BLCV, VA & OFFSET
445-6583 HYDRAULIC OIL, MINERAL
453-7125 COOLING SYSTEM, STANDARD
454-2154 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
473-2982 DECALS, NORTH AMERICA (ANSI)
474-7221 TIRES, MITAS 10.00-20 DUAL
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-8468 CONTROLLER, ELECTRONIC XL
494-0903 SETTING, QC CTRL, PIN GRABBER
497-1005 JOYSTICK, 1-SLIDER
505-5366 ALARM, BACK-UP
509-9859 JOYSTICK PATTERN, CHANGEABLE
510-9700 CONTROL, 1PC & VA

NOTE: Please refer to the Lane 1 section to complete your order.

501-3132 **M316F WHEEL EXCAVATOR** 0 **$199,050**
LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

M316F HYDRAULIC WHEEL EXCAVATOR GRENOBLE, FRANCE		Ship Weight lbs	LIST PRICE AT DEALER
0G-0544	**M316F MISCELLANEOUS MATERIAL**.	0	**NC**
	AVAILABLE FROM GRENOBLE FACTORY		

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.		Ship Weight lbs	LIST PRICE AT DEALER

NOTE

IF NO REFERENCE NUMBER IS LISTED, LANE 1 CONFIGURATION IS NOT AVAILABLE , Please check M316F price list, instead of M316F-1, for any existing DCA/FTO inventory.

USE	REF NO.	LANE 1 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

Mandatory ATT with M316F ADSD-N DCA3

0P-9001	**LANE 1 ORDER**	0	**NC**
	ONLY FOR USE WITH: Distribution Center Arrangements (DCA) from PDC		
0G-9240	**COMPLETE STORAGE PROTECTION**	0	**$377 NET**
	Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix AND foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC
		Only for dealers enrolled in the Base Orders Management (BOM) program.		
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS

Includes:
Cab controlled Automatic Lubrication System for
front linkage and swing bearing.
High pressure 2-way tool control circuit boom lines..
Medium pressure auxiliary hydraulic circuit boom lines.
CW & Pin Grabber Quick coupler control booms lines.

L	503-4076	BOOM, 1PC, A-LUBE	0	$36,160
		Arrangements for standard Stick Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control boom lines. One piece boom 5.05M / 16' 7" ONLY FOR USE WITH: LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	503-4941	BOOM, VA, A-LUBE	0	$39,370
		Arrangements for standard Stick Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control boom lines. Two piece boom 5.2M / 17' 1" CANNOT BE USED WITH: Drop nose stick		
L	503-4081	BOOM, 1PC, IND	0	$25,300
		Arrangements for Drop nose stick Includes: Remote grease points for manual greasing of front linkage and swing bearing. High Pressure boom lines, operated by bucket circuit for tool open/close function. Medium pressure auxiliary hydraulic circuit boom lines for tool rotation. One piece boom 5.05M / 16' 7" ONLY FOR USE WITH: Drop nose stick LANE 3 ONLY		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

BOOM ARRANGEMENTS (Cont.)

L	503-4946	**BOOM, VA, IND**	0	$28,890

Arrangements for Drop nose stick
Includes:
Remote grease points for manual greasing
of front linkage and swing bearing.
High Pressure boom lines, operated by bucket circuit
for tool open/close function.
Medium pressure auxiliary hydraulic circuit boom lines
for tool rotation.
Two piece boom 5.2M / 17' 1"
ONLY FOR USE WITH: Drop nose stick
LANE 3 ONLY

STICK ARRANGEMENTS

L	503-2176	**STICK, 7'10'', A-LUBE**	0	$14,450

Includes:
Bucket linkage and cylinder.
High pressure auxiliary hydraulic circuit stick lines.
Medium pressure auxiliary hydraulic circuit stick lines.
with CVC type quick disconnect couplings
Quick coupler control stick lines.
Automatic Lubrication System stick lines.
ONLY FOR USE WITH: Boom Arrangement for standard sticks

L	503-2177	**STICK, 8'6'', A-LUBE**	0	$14,750

Includes:
Bucket linkage and cylinder.
High pressure auxiliary hydraulic circuit stick lines.
Medium pressure auxiliary hydraulic circuit stick lines.
with CVC type quick disconnect couplings
Quick coupler control stick lines.
Automatic Lubrication System stick lines.
ONLY FOR USE WITH: Boom Arrangement for standard sticks
CANNOT BE USED WITH: Offset boom

DROP NOSE STICKS WITHOUT BUCKET LINKAGE

Includes:
High Pressure stick lines, operated by bucket circuit
for tool open/close function.
Medium pressure auxiliary hydraulic circuit stick lines
for tool rotation.
CVC type quick disconnect couplings
One grapple pin.

L	440-3174	**STICK, 10'2'', IND**	0	$8,870

Drop Nose Stick WITHOUT BUCKET LINKAGE
ONLY FOR USE WITH: Boom Arrangement for Drop nose Sticks
LANE 3 ONLY

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.
Smartboom eases operations and improves operator comfort.
It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

L	475-5784	**RIDE CONTROL, 1PC**	0	$4,290
		Arrangement including Ride Control & BLCV Note: Smartboom not included ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	468-1705	**RIDE CONTROL, VA**	0	$5,420
		Arrangement including Ride Control & BLCV Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA) CANNOT BE USED WITH: Drop nose stick		
L	490-2827	**RC, 1PC INCL. SMARTBOOM**	0	$7,120
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	468-1706	**RC, VA INCL. SMARTBOOM**	0	$8,230
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: Two piece boom (VA) CANNOT BE USED WITH: Drop nose stick		
L	454-4297	**BLCV, 1PC**	0	NC
		Arrangement without Ride Control Note: Smartboom not included ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY		
L	445-6577	**BLCV, VA & OFFSET**	0	$1,110
		Arrangement without Ride Control Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA & Offset)		

POWERTRAIN

TRAVEL SPEED

L	440-3556	**SPEED 12.4 MPH**	0	NC
		Travel speed 20kph / 12.4mph CANNOT BE USED WITH: Cooling Package Fine Mesh		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

POWERTRAIN (CONT.)

TRAVEL SPEED (Cont.)

L	440-3558	**SPEED 21.7 MPH**	0	NC
		Travel speed 35kph / 21,7mph		
		CANNOT BE USED WITH: Cooling Package Fine Mesh		
		Solid Rubber Tires		
L	440-3559	**SPEED 12.4 MPH, FINE MESH**	0	NC
		Travel speed 20kph / 12.4mph		
		ONLY FOR USE WITH: Cooling Package Fine Mesh		
L	440-3560	**SPEED 21.7 MPH, FINE MESH**	0	NC
		Travel speed 35kph / 21,7mph		
		ONLY FOR USE WITH: Cooling Package Fine Mesh		
		CANNOT BE USED WITH: Solid Rubber Tires		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

Standard Axle Arrangements

L	471-7742	**UC BLADE R FRONT/ OUT.REAR**	0	$19,570
		Includes: Welded undercarriage		
		Outriggers rear		
		Radial blade front remote greasing (width: 2.55M / 8' 4")		
		Axle width 2.5M / 8' 2"		
L	491-7916	**UC BLADE FRONT/ OUT.REAR**	0	$28,100
		Includes: Welded heavy duty undercarriage		
		Parallel blade front remote greasing (width: 2.55M / 8' 4")		
		Outriggers rear		
		Standard Axle width 2.5M / 8' 2"		
L	513-3311	**UC BLADE FRONT / OUT. REAR, TR**	0	$31,080
		Includes: Welded heavy duty undercarriage		
		Trailer Preparation(Bracket for trailer hook at outrigger,electrical & hydraulic ports at undrecarriage)		
		Includes: Welded undercarriage		
		Trailer Preparation		
		Parallel blade front remote greasing (width: 2.55M / 8' 4")		
		Outriggers rear		
		Axle width 2.5M / 8' 2"		
L	453-7565	**UC OUT.FRONT / BLADE R REAR**	0	$20,300
		Includes: Welded undercarriage		
		Outriggers front		
		Radial blade rear remote greasing (width: 2.55M / 8' 4")		
		Axle width 2.5M / 8' 2"		
		ONLY FOR USE WITH: LANE 3 ONLY		
L	475-2480	**UC OUT. FRONT & REAR.**	0	$23,210
		Includes: Welded undercarriage		
		Outriggers front		
		Outriggers rear		
		Axle width 2.5M / 8' 2"		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

STEPS & FENDERS

L	454-2154	**STEPS, UC**	0	$256
		CANNOT BE USED WITH:Heavy Duty Undercarriage,Vandalism guard Uppercarriage access steps with integrated toolbox. ONLY FOR USE WITH: Welded undercarriage		
L	454-2156	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox. ONLY FOR USE WITH: Welded Heavy Duty undercarriage		
L	455-7170	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine. ONLY FOR USE WITH: Welded undercarriage CANNOT BE USED WITH: Welded heavy duty undercarriage		
L	455-7169	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine. ONLY FOR USE WITH: Welded Heavy Duty undercarriage		

TIRES

DUAL TIRES

L	474-7221	**TIRES, MITAS 10.00-20 DUAL**	0	$1,820
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		
L	478-6660	**TIRES,MITAS EM23 10.00-20 DUAL**	0	$2,900
		MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16. Higher resistance to puncture and tread wear due to higher filling of tread area. Special tread pattern for stony and hard terrain. Spacer rings are included.		
L	474-7226	**TIRES,SOLID RUB.10.00-20 DUAL**	0	$16,160
		SOLID RUBBER Tires for industrial applications. Requires: 20kph / 12.4mph travel speed Spacer rings are included.		
L	474-7236	**TIRES,BRIDGEST.11.00-20 DUAL.**	0	$6,180
		BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY) The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud. Spacer rings are included.		

SINGLE TIRES

L	253-1634	**TIRES,MICH.18R19.5 XF SINGLE.**	1,349	$6,580
		MICHELIN XF, 445/70R 19.5 Radial single tire with aggressive directional tread designed to deliver exceptional traction and performance.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS

MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS

L	431-8614	**CONTROL, MPF**	0	$1,280
		Provides medium pressure circuit for tool rotation/tilt. ONLY FOR USE WITH: One piece boom (1PC) Two piece boom (VA)		
L	431-9304	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Provides medium pressure circuit for tool rotation/tilt. Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit ONLY FOR USE WITH: One piece boom (1PC) Two piece boom (VA)		

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		
L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

SEATS & SEAT-BELTS

Comfort Seat

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 2"/51mm retractable seat belt		
L	393-1386	**SEAT COMFORT W/3" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 3"/76mm retractable seat belt		

Deluxe Seat

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

SEATS & SEAT-BELTS (Cont.)

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 2"/51mm retractable seat belt		
L	393-1387	**SEAT DELUXE W/3" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 3"/76mm retractable seat belt		

AUXILIARY HYDRAULIC PEDAL

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick. CANNOT BE USED WITH: Drop nose stick		

HYDRAULIC JOYSTICK PATTERN

L	509-9859	**JOYSTICK PATTERN, CHANGEABLE**	0	$930
		Provides ability to change from the standard excavator joystick control pattern (SAE) for hydraulic functions to the backhoe joystick control pattern (ISO).		

HYDRAULIC JOYSTICK

L	497-1005	**JOYSTICK, 1-SLIDER**	0	NC
		Provides standard joysticks with 1 slider and 4 buttons.		
L	488-1890	**JOYSTICK, 2-SLIDER**	0	$1,245
		Provides enhanced joysticks with 2 sliders and 5 buttons.		

CONTROL MAIN VALVE

L	510-9700	**CONTROL, 1PC & VA**	0	NC
		Implement Control Valve including 2 way tool control. ONLY FOR USE WITH: Boom Arrangements for standard sticks		
L	454-3400	**CONTROL, 1PC & VA IND STK**	0	NC
		Implement Control Valve ONLY FOR USE WITH: LANE 3 ONLY Boom Arrangements for Drop nose sticks		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. CANNOT BE USED WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		
L	492-8468	**CONTROLLER, ELECTRONIC XL**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. ONLY FOR USE WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641**	0	NC
		Product Link Pro series PL641 uses UMTS 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.		
L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING / CAB GUARD

Arrangements without Cab Guard

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights Includes cab rain visor. Without Cab Guard		

Arrangements Including Cab Guard

L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights Includes cab guards front and roof.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

SAFETY AND SECURITY (CONT.)

MIRRORS

L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: VA/Offset		
L	489-4673	**MIRROR, ELECTRIC, 1PC.**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: One piece booms LANE 3 ONLY		
L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: VA/Offset		
L	491-1066	**MIRROR, 1PC.**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: LANE 3 ONLY One piece booms		

COOLING

COOLING PACKAGE

L	453-7125	**COOLING SYSTEM, STANDARD**	0	NC
L	463-7086	**COOLING SYSTEM, FINE MESH**	0	$905
		Provides improved protection to the radiator, the ATAAC, the A/C condenser to prevent clogging, when working with the machine in dusty environments. Includes an additional engine air pre-cleaner.		

FRAMES

COUNTERWEIGHTS

L	443-7990	**COUNTERWEIGHT, 7055 LBS**	0	$635
		Standard Counterweight 3200KG / 7050LBS		
L	443-7991	**COUNTERWEIGHT, 8156 LBS**	0	$735
		Heavy Counterweight 3700KG / 8150LBS Recommended for use with: Two piece boom and blade only undercarriage arrangements		

FLUIDS

LUBRICATIONS

L	445-6583	**HYDRAULIC OIL, MINERAL**	0	NC
		Filling with Cat HYDO Advanced 10 oil		

INSTRUCTIONS

INTERNATIONAL INSTRUCTIONS

L	473-2982	**DECALS, NORTH AMERICA (ANSI)**	0	NC

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

PACKING

EXPORT PACKING

0G-9240 **COMPLETE STORAGE PROTECTION** . . . . . 0 **$377 NET**

Includes CILIX and foam protection on all cylinders
Machines from the factory have been sprayed with Fluid Film TM.
This product is added for corrosion protection while shipping
and for extended storage periods. This product will need to be power
washed with soapy water prior to shipment to the customer.
Cilix and foam protection on all cylinders are also included
in this storage protection procedure.
Includes operator protections in cab
Required for: Shipping by sea from Grenoble France
Recommended for: all type of long distance shipment

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS

Second High Pressure Hydraulic Circuit Control Group

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control and stick lines to complete auxiliary circuit.
REQUIRES 2- Slider Joystick

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	509-9877	**CONTROL, 2ND HPF, 1PC**	0	$6,000
		Second high pressure control valve. ONLY FOR USE WITH: One piece boom & 2-slider joystick LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	509-9878	**CONTROL, 2ND HPF, VA**	0	$5,690
		Second high pressure control valve. ONLY FOR USE WITH: Two piece boom (VA) & 2-slider joystick CANNOT BE USED WITH: Drop nose stick		

Second High Pressure Hydraulic Circuit Stick Lines

Must order boom and stick lines to complete auxiliary circuit.

L	254-2610	**LINES, 2ND HPF, 7'10" STICK**	24	$765
		Second high pressure lines for stick 2.4M / 7' 11". REQUIRED BY: CONTROL 2ND HPF		
L	254-2611	**LINES, 2ND HPF, 8'6" STICK**	29	$835
		Second high pressure lines for stick 2.6M / 8' 6". REQUIRED BY: CONTROL 2ND HPF		

Couplings Circuit

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" Provides a set of two adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt)		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS (CONT.)

Quick Coupler Control Settings

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler.		
		CANNOT BE USED WITH: Drop nose stick, CW-type quick coupler Cat tilt rotator support.		
L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of cat tilt rotator support		
		Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure.		
		ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK		
		CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER		

ELECTRICAL

Alarm

L	505-5366	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: US-A & Canada dealers		
		Acoustical warning signal when moving the machine .		

SAFETY AND SECURITY

Beacon

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

Machine Security System

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Advanced, programmable system to manage access to machine.		
		Requires special Machine Security System keys.		
		Machine shipped with system inactive but with two of these keys already programmed into system.		
		Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys.		
		Additional keys available through Parts Distribution.		

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible with pin-on CAT Tilt-Rotator System (TRS) models. If the machine will be equiped with a pin-on TRS model please select PIN,BUCKET,ADJ.

P	123-4968	**PIN, BUCKET, ADJ**	68	$362
			68	$362 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		
		CANNOT BE USED WITH: Drop nose stick		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

BUCKETS (CONT.)

BUCKET RETENTION PINS (Cont.)

EXCAVATION BUCKETS (CW Coupler Buckets)

These buckets cannot be ordered with MISC Material Order.
Dealers in AM-N can place miscellaneous bucket orders by consulting Cat Work Tools at 1-800- 255-2372 for bucket options, availability and appropriate ordering instructions.

FIELD INSTALLED ATTACHMENTS

Kits for field installation.
Please contact Product Group if further details are required.

L	473-7060	**KIT, CAB GUARD, FOGS**	0	**$4,885 NI**
		Provides cab guards front and top for field installation. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

PACKING

Export Packing

	0G-3565	**PACKING -SEA/TRUCK MISC.MATER..**	0	**$217 NET**
		ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)		
	0G-3561	**PACKING - SEA/TRUCK BH BUCKET**	0	**$283 NET**
		ONLY FOR USE WITH: Only with Not installed bucket (Ni)		

M317F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Diesel engine, CAT C4.4 Twin Turbo certified to EPA Tier4 Final, EU Stage IV, MLIT 2014
-After-treatment system: CEM (DOC + DPF + SCR) and DEF System
Variable fan speed control
Automatic Engine speed Control (AEC), incl:-One touch low idle
-Automatic (programmable) idling shut down
Fuel filtration with water separator and indicator
3000m altitude capability without de-rate (9840ft)
48 deg. C ambient cooling capability without de-rate (118f)
100 amp. Alternator
Capability of using Bio-Diesel fuel (B20)
Power mode selector

UNDERCARRIAGE

Four wheel drive
Hydrostatic transmission, two speed
Creeper speed
Automatic lock mode for oscillating front axle & service brake
Steps incl. tool boxes, left & right

HYDRAULICS

Hydraulic
BLCV, FLCV and SLCV
Anti drift valve for bucket cylinder
Overload warning device
Heavy lift mode
Adjustable hydraulic sensitivity
Separate swing pump
Automatic swing brake
High pressure 2-way tool control circuit
Medium pressure 2-way auxiliary hyd circuit
CVC-type quick disconnect couplings on medium pressure circuit ports

ELECTRICAL

Maintenance free battery
Roading lights incl. high beam & turn indicator

OPERATOR ENVIRONMENT

CAB
Sound suppressed ROPS cab (ISO 12117-2 compliant) with viscous mount
Sealed cab with positive filtered ventilation
Sunshade for windshield and skylight
Full graphic 7inch LCD monitor
Air conditioner heater & defroster
12V power supply with socket (Max 10amp)
Pin code type engine start prevention
Cruise control system
FM radio incl. speakers
Steering column, adjust angle & height
Sliding door windows
Washable floormat
Interior utilities (Interior lighting, coat hook,beverage holder
Literature holder, Document holding space,and Cab rear storage compartment)

SAFETY AND SECURITY

RHS and rearview cameras (incl. Lights) displayed on additonal cab monitor
Tiltable LHS console with lock-out for all controls
Ground level accessible secondary engine shutoff switch in cab
Signaling/ Warning horn
Safety hammer for cab evacuation

OTHER STANDARD EQUIPMENT

Autolubrication system covering front linkage & swing bearing
Sampling ports for Scheduled Oil Sampling (S.O.S)
Counterweight 4300kg (9480lbs)
CAT Product Link
Refueling pump

M317F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

		Ship Weight lbs	LIST PRICE AT DEALER
529-6386	**M317F WHL HEX AM-N DCA2**	0	**$311,580**

LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work needing one lane clossure: Blade front, stabilizers rear, VA boom, 8'1" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , 315 linkage compatible.

The following attachments MUST be selected from Lane 1 Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
488-2662 M317F WHEEL EXCAVATOR
492-5187 BOOM, VA, A-LUBE
490-6084 STICK,2.45 M (8'1") , A-LUBE
423-0706 UC BLADE FRONT/ OUT.REAR
474-7221 TIRES, MITAS 10.00-20 DUAL
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
373-6030 SEAT COMFORT W/51 MM (W/2") SEAT BELT
123-4968 PIN, BUCKET, ADJ
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
454-2156 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
473-2982 DECALS, NORTH AMERICA (ANSI)
488-1890 JOYSTICK, 2-SLIDER
489-3850 ALARM, BACK-UP
489-3856 CONTROLLER, ELECTRONIC XL
490-5214 CONTROL, JOYSTICK STEERING
490-6094 COOLING SYSTEM, STANDARD
490-6949 HYDRAULIC OIL, MINERAL
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-5194 RIDE CONTROL, VA
494-0903 SETTING, QC CTRL, PIN GRABBER
518-0001 SPEED 35 KPH (21.7 MPH)

NOTE: Please refer to the Lane 1 section to complete your order.

488-2662	**M317F WHEEL EXCAVATOR**	0	**$221,080**

LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU.

M317F HYDRAULIC WHEEL EXCAVATOR GRENOBLE, FRANCE		Ship Weight lbs	LIST PRICE AT DEALER
0G-0583	**M317F MISCELLANEOUS MATERIAL** AVAILABLE FROM GRENOBLE FACTORY	0	**NC**

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.	LANE 1 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

LANE SELECTION

0P-9001 **LANE 1 ORDER** . . . . . 0 **NC**
ONLY FOR USE WITH: Distribution Center Arrangements (DCA) from PDC

EXPORT PACKING

0G-9240 **COMPLETE STORAGE PROTECTION** . . . . . 0 **$377 NET**
Includes CILIX and foam protection on all cylinders
Machines from the factory have been sprayed with Fluid Film TM.
This product is added for corrosion protection while shipping
and for extended storage periods. This product will need to be power
washed with soapy water prior to shipment to the customer.
Cilix and foam protection on all cylinders are also included
in this storage protection procedure.
Includes operator protections in cab
Required for: Shipping by sea from Grenoble France
Recommended for: all type of long distance shipment

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS

L	492-5187	BOOM, VA, A-LUBE Arrangements for standard Stick Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control boom lines. Two piece boom 5.028M / 16' 6"	0	$39,370

STICK ARRANGEMENTS

L	490-6084	STICK, 8'1'', A-LUBE Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. with CVC type quick disconnect couplings Quick coupler control stick lines. Automatic Lubrication System stick lines.	0	$14,500
L	490-6087	STICK, 8'6'', A-LUBE Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. with CVC type quick disconnect couplings Quick coupler control stick lines. Automatic Lubrication System stick lines. CANNOT BE USED WITH: Offset boom	0	$14,690

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.

Smartboom eases operations and improves operator comfort. It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL (Cont.)

L	492-5194	**RIDE CONTROL, VA**	0	$5,420
		Arrangement including Ride Control & BLCV Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA)		

Arrangements without Ride Control

L	492-5193	**BLCV, VA & OFFSET**	0	$1,110
		Arrangements without Ride Control Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA & Offset)		

POWERTRAIN

TRAVEL SPEED

Includes:
48 degrees C / 118 degrees F cooling capability

L	518-0001	**SPEED 21.7 MPH**	0	NC
		Travel speed 35kph / 21,7mph CANNOT BE USED WITH: Cooling Package Fine Mesh		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

Standard Axle Arrangements

L	423-0706	**UC BLADE FRONT/ OUT.REAR**	0	$21,260
		Standard Axle width 2.5M / 8' 2" Includes: Welded undercarriage Parallel blade front remote greasing (width: 2.55M / 8' 4") Outriggers rear		

Wide Axle Arrangements
Note: Axle width 2.69M / 8' 10"

STEPS & FENDERS

L	454-2156	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

STEPS & FENDERS (Cont.)

L	455-7169	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine.		

TIRES

DUAL TIRES

L	474-7221	**TIRES, MITAS 10.00-20 DUAL**	0	$1,820
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		
L	478-6660	**TIRES,MITAS EM23 10.00-20 DUAL**	0	$2,900
		MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16. Higher resistance to puncture and tread wear due to higher filling of tread area. Special tread pattern for stony and hard terrain. Spacer rings are included.		

SINGLE TIRES

L	253-1634	**TIRES,MICH.18R19.5 XF SINGLE.**	1,349	$6,580
		MICHELIN XF, 445/70R 19.5 Radial single tire with aggressive directional tread designed to deliver exceptional traction and performance.		

HYDRAULICS

MEDIUM PRESSURE CONTROL

Provides medium pressure circuit for tool rotation/tilt.

L	464-5053	**CONTROL, MPF**	0	$1,280
		Auxiliary medium pressure control circuit ONLY FOR USE WITH: Two piece boom (VA)		
L	490-5214	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit ONLY FOR USE WITH: Two piece boom (VA)		

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

CAB WINDSHIELD (Cont.)

L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

SEATS & SEAT BELTS

Comfort Seat

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 2"/51mm retractable seat belt		

Deluxe Seat

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 2"/51mm retractable seat belt		

AUXILIARY HYDRAULIC PEDAL

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick. CANNOT BE USED WITH: Drop nose stick		

HYDRAULIC JOYSTICK

L	497-1005	**JOYSTICK, 1-SLIDER**	0	NC
		Provides standard joysticks with 1 slider and 4 buttons.		
L	488-1890	**JOYSTICK, 2-SLIDER**	0	$1,245
		Provides enhanced joysticks with 2 sliders and 5 buttons.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. CANNOT BE USED WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		
L	489-3856	**CONTROLLER, ELECTRONIC XL**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. ONLY FOR USE WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641**	0	NC
		Product Link Pro series PL641 uses UMTS 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.		
L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING / CAB GUARD

Provides LED type cab working lights.

Arrangements without Cab Guard

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights Includes cab rain visor. Without Cab Guard		

Arrangements Including Cab Guard

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER
		SAFETY AND SECURITY (CONT.)		
		LIGHTING / CAB GUARD (Cont.)		
L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights Includes cab guards front and roof.		
		MIRRORS		
L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine.		
L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab		
		COOLING		
		COOLING PACKAGE		
L	490-6094	**COOLING SYSTEM, STANDARD**	0	NC
		FLUIDS		
		LUBRICATIONS		
L	490-6949	**HYDRAULIC OIL, MINERAL**	0	NC
		Filling with Cat HYDO Advanced 10 oil		
		INSTRUCTIONS		
		INTERNATIONAL INSTRUCTIONS		
L	473-2982	**DECALS, NORTH AMERICA (ANSI)**	0	NC
		PACKING		
		EXPORT PACKING		
	0G-9240	**COMPLETE STORAGE PROTECTION**	0	$377 NET
		Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix and foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE

UNDERCARRIAGE ATTACHMENTS

L	538-2520	**BRACKET, WIDE AXLE FENDERS**	0	NC
		Provides adapters to align steps with outside of tires of Wide Axle Undercarriage Arrangements. REQUIRED BY : Fenders if axle wide ONLY FOR USE WITH: 455-7169 & 423-0709		

HYDRAULICS

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control, boom and stick lines to complete auxiliary circuit.

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	490-6088	**CONTROL, 2ND HPF, VA**	0	$5,570
		Second high pressure control valve. ONLY FOR USE WITH: Two piece boom (VA) & 2-slider joystick		

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT STICK LINES

Must order boom and stick lines to complete auxiliary circuit.

L	489-7914	**LINES, 2ND HPF, 8'1" STICK**	0	$780
		Second high pressure lines for stick 2.45M (8' 6") ONLY FOR USE WITH: Control 2nd HPF & 2.45M Stick REQUIRED BY: CONTROL 2ND HPF		
L	254-2616	**LINES, 2ND HPF, 8'6" STICK**	29	$835
		Second high pressure lines for stick 2.6M / 8' 6". REQUIRED BY: CONTROL 2ND HPF		

COUPLINGS CIRCUIT

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		Provides a set of two adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt) "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS (CONT.)

QUICK COUPLER SUPPORT

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler.		
		CANNOT BE USED WITH: CW-type quick coupler Cat Tiltrotator Support		
L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of advanced Rototilt support Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure.		
		ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK		
		CANNOT BE USED WITH: Setting, QC Ctrl, Pin Grabber		

ELECTRICAL

ALARM

L	489-3850	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: USA & Canada dealers Acoustical warning signal when moving the machine . REQUIRED BY: USA , Canada, COFA dealers		

SAFETY AND SECURITY

BEACON

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

MACHINE SECURITY SYSTEM

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Counterweight mounted Rotating Beacon Advanced, programmable system to manage access to machine. Requires special Machine Security System keys. Machine shipped with system inactive but with two of these keys already programmed into system. Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys. Additional keys available through Parts Distribution.		

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible with pin-on CAT Tilt-Rotator System (TRS) models.
If the machine will be equiped with a pin-on TRS model please select PIN,BUCKET,ADJ.

P	123-4968	**PIN, BUCKET, ADJ**	68	$362
			68	$362 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" CANNOT BE USED WITH: Industrial stick		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

FIELD INSTALLED ATTACHMENTS

NOT INSTALLED ATTACHMENTS

Kits for field installation.
Please contact Product Group if further details are required.

L	473-7060	KIT, CAB GUARD, FOGS	0	$4,885 NI
		Provides cab guards front and top for field installation.		
		" AVAILABLE ON A MISCELLANEOUS ORDER"		

PACKING

EXPORT PACKING

	0G-3565	PACKING -SEA/TRUCK MISC.MATER..	0	$217 NET
		ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)		
	0G-3561	PACKING - SEA/TRUCK BH BUCKET	0	$283 NET
		ONLY FOR USE WITH: Only with Not installed bucket (Ni)		

M318 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Cat C7.1, EPA/ARB tier 4 Final and EU
-Stage IV certified engine with
-Aftertreatment
-Altitude capability: 3000m/9842 ft
-Automatic engine speed Control
incl. one touch low idle
and engine idle shutdown functionality
-Automatic starting aid
-Power mode selector

UNDERCARRIAGE

Four wheel drive
Heavy-duty axles with advanced disc brake system and travel motor with adjustable braking force
Hydrostatic transmission, two speed
Full hydraulic steering with emergency capability
Oscillating front axle, lockable, with remote greasing point
Automatic lock mode for oscillating front axle & service brake
Steps including tool boxes, left & right
Creeper speed

HYDRAULICS

Cat XT-6 ES hoses
Heavy lift mode
Separate swing pump
Load sensing hydraulic system
Adjustable hydraulic sensitivity

ELECTRICAL

Alternator, 115 ampere
Roading lights (two front, two rear)
Main shut-off switch
Signal/warning horn
Two Caterpillar maintenance free batteries
Refueling pump

OPERATOR ENVIRONMENT

Reinforced cab structure compliant with 2006/42/EC and tested according ISO 12117-2:2008
Air conditioner heater & defroster
Adjustable armrests
24 Volt lighter
Beverage cup/can holder
Bolt-on FOGS capability
Bottle holder
Bottom mounted, intermittent, parallel wiper and washer
Coat hook
Floor mat, washable, with storage compartment
Full graphic and full color display
Interior lighting with door switch
Joysticks, pilot operated
Laminated front windshield
Left side console, tiltable, with lock-out for all controls
Literature compartment behind seat
Literature holder in right hand cab panel
Mobile phone holder
FM radio incl speakers
Parking brake
Sealed cab with positive filtered ventilation
Power supply, 12V-10A
Sliding door windows
Steering column, adjustable angle & height
Storage compartment suitable for a lunch box
Sunshade for windshield and skylight
Cruise control system
Pin code type engine start prevention
RHS and rear view camera (incl.lights) displayed on additional cab monitor

OTHER STANDARD EQUIPMENT

BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake
Capability to add auxiliary hydraulic circuits
Caterpillar datalink and electronic technician capability
Door locks and cab locks with Caterpillar one-key security system
SOS quick sampling valves for engine oil, hydraulic oil and coolant

M318 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Lane 2 is reserved for the Base Order Management program.
Please only use Lane 2 when placing orders that are part of the Base Order Management Program.

512-3079 **M318F WHL HEX AM-N DCA3** 0 **$300,800**
LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work:
Blade front, stabilizers rear, VA boom, 8'6" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , 315 linkage compatible.

The following attachments MUST be selected from Lane 1 Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3120 M318F WHEEL EXCAVATOR
503-4942 BOOM, VA, A-LUBE
503-2177 STICK, 2.6M , A-LUBE (8'6")
423-0706 UC BLADE FRONT/ OUT.REAR
373-6030 SEAT COMFORT W/51 MM SEAT BELT (2")
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
474-7221 TIRES, MITAS 10.00-20 DUAL
123-4968 PIN, BUCKET, ADJ
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
423-0582 COUNTERWEIGHT, 3900 KG (8600 LBS)
423-0667 BLCV, VA & OFFSET
425-0170 SPEED 35 KPH (21.7 MPH)
431-9304 CONTROL, JOYSTICK STEERING
432-6342 COOLING SYSTEM, STANDARD
432-8600 HYDRAULIC OIL, MINERAL
454-2156 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
473-2982 DECALS, NORTH AMERICA (ANSI)
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-8468 CONTROLLER, ELECTRONIC XL
494-0903 SETTING, QC CTRL, PIN GRABBER
497-1005 JOYSTICK, 1-SLIDER
505-5366 ALARM, BACK-UP
506-7504 CONTROL, 1PC & VA
509-9862 JOYSTICK PATTERN, CHANGEABLE

NOTE: Please refer to the Lane 1 section to complete your order.

501-3120 **M318F WHEEL EXCAVATOR** 0 **$213,800**
LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

M318 HYDRAULIC WHEEL EXCAVATOR GRENOBLE, FRANCE		Ship Weight lbs	LIST PRICE AT DEALER
0G-0390	**M318F MISCELLANEOUS MATERIAL** AVAILABLE FROM GRENOBLE FACTORY	0	**NC**

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.		Ship Weight lbs	LIST PRICE AT DEALER

NOTE

IF NO REFERENCE NUMBER IS LISTED, LANE 1 CONFIGURATION IS NOT AVAILABLE .

USE	REF NO.	LANE 1 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

LANE SELECTION for DCA

0P-9001	**LANE 1 ORDER**	0	**NC**
	ONLY FOR USE WITH: Distribution Center Arrangements (DCA) from PDC		
0G-9240	**COMPLETE STORAGE PROTECTION**	0	**$377 NET**
	Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix AND foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC
		Only for dealers enrolled in the Base Orders Management (BOM) program.		
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS

Includes:
Cab controlled Automatic Lubrication System for
front linkage and swing bearing.
High pressure 2-way tool control circuit boom lines.
Medium pressure auxiliary hydraulic circuit boom lines.
CW & Pin Grabber Quick coupler control booms lines.

L	503-4077	BOOM, 1PC, A-LUBE	0	$36,260
		Arrangements for standard Stick Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control booms lines. One piece boom 5.05M / 16' 7" ONLY FOR USE WITH: LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	503-4942	BOOM, VA, A-LUBE	0	$39,470
		Arrangements for standard Stick Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick coupler control booms lines. Two piece boom 5.2M / 17' 1" CANNOT BE USED WITH: Drop nose stick		

STICK ARRANGEMENTS

L	503-2176	STICK, 7'10'', A-LUBE	0	$14,450
		Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. with CVC type quick disconnect couplings Quick coupler control stick lines. Automatic Lubrication System stick lines. ONLY FOR USE WITH: Boom Arrangement for standard sticks		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

STICK ARRANGEMENTS (Cont.)

L	503-2177	**STICK, 8'6'', A-LUBE**	0	$14,750

Includes:
Bucket linkage and cylinder.
High pressure auxiliary hydraulic circuit stick lines.
Medium pressure auxiliary hydraulic circuit stick lines.
with CVC type quick disconnect couplings
Quick coupler control stick lines.
Automatic Lubrication System stick lines.
ONLY FOR USE WITH: Boom Arrangement for standard sticks
CANNOT BE USED WITH: Two piece boom (offset)

DROP NOSE STICKS WITHOUT BUCKET LINKAGE

Includes:
High Pressure stick lines, operated by bucket circuit for tool open/close function.
Medium pressure auxiliary hydraulic circuit stick lines for tool rotation.
Automatic Lubrication System stick lines.
CVC type quick disconnect couplings
One grapple pin.

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.
Smartboom eases operations and improves operator comfort.
It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

Arrangements including Ride Control

L	423-0673	**RIDE CONTROL, 1PC**	0	$4,290

Arrangement including Ride Control & BLCV
Note: Smartboom not included
ONLY FOR USE WITH: One piece boom (1PC)
LANE 3 ONLY
CANNOT BE USED WITH: Drop nose stick

L	423-0670	**RIDE CONTROL, VA**	0	$5,420

Arrangement including Ride Control & BLCV
Note: Smartboom not included
ONLY FOR USE WITH: Two piece boom (VA)
CANNOT BE USED WITH: Drop nose stick

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL (Cont.)

L	423-0685	**RC, 1PC INCL. SMARTBOOM**	0	$7,120
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	423-0682	**RC, VA INCL. SMARTBOOM**	0	$8,230
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: Two piece boom (VA) CANNOT BE USED WITH: Drop nose stick		

Arrangements without Ride Control

L	431-4766	**BLCV, 1PC**	0	NC
		Arrangements without Ride Control Note: Smartboom not included ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY		
L	423-0667	**BLCV, VA & OFFSET**	0	$1,110
		Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA & Offset)		

POWERTRAIN

TRAVEL SPEED

L	425-0166	**SPEED 12.4 MPH**	0	NC
		Travel speed 20kph / 12.4mph CANNOT BE USED WITH: Cooling Package Fine Mesh		
L	425-0170	**SPEED 21.7 MPH**	0	NC
		Travel speed 35kph / 21,7mph CANNOT BE USED WITH: Cooling Package Fine Mesh Solid Rubber Tires		
L	440-3561	**SPEED 12.4 MPH, FINE MESH**	0	NC
		Travel speed 20kph / 12.4mph ONLY FOR USE WITH: Cooling Package Fine Mesh		
L	440-3562	**SPEED 21.7 MPH, FINE MESH**	0	NC
		Travel speed 35kph / 21,7mph ONLY FOR USE WITH: Cooling Package Fine Mesh CANNOT BE USED WITH: Solid Rubber Tires		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

Axle width 2.5M / 8′ 2"

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

UNDERCARRIAGE ARRANGEMENTS (Cont.)

L	423-0706	**UC BLADE FRONT/ OUT.REAR**	0	$21,260
		Includes: Welded undercarriage Outriggers rear Parallel blade front remote greasing (width: 2.55M / 8' 4") Standard Axle width 2.5M / 8' 2"		
L	503-4255	**UC BLADE FRONT / OUT. REAR, TR**	0	$28,170
		Includes: Welded undercarriage Trailer Preparation(Bracket for trailer hook at outrigger,electrical & hydraulic ports at undrecarriage) Outriggers rear Parallel blade front remote greasing (width: 2.55M / 8' 4") Standard Axle width 2.5M / 8' 2"		
L	423-0707	**UC OUT.FRONT / BLADE REAR**	0	$21,960
		Includes: Welded undercarriage Outriggers front Parallel blade rear remote greasing (width: 2.55M / 8' 4") Standard Axle width 2.5M / 8' 2"		
L	423-0708	**UC OUT. FRONT & REAR.**	0	$26,030
		Includes: Welded undercarriage Outriggers front Outriggers rear Standard Axle width 2.5M / 8' 2"		

Wide Axle Arrangements

Axle width 2.69M / 8′ 10"

STEPS & FENDERS

L	454-2156	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox.		
L	455-7169	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine.		

TIRES

DUAL TIRES

L	474-7221	**TIRES, MITAS 10.00-20 DUAL**	0	$1,820
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		
L	478-6660	**TIRES,MITAS EM23 10.00-20 DUAL**	0	$2,900
		MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16. Higher resistance to puncture and tread wear due to higher filling of tread area. Special tread pattern for stony and hard terrain. Spacer rings are included.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

TIRES (Cont.)

L	474-7226	**TIRES,SOLID RUB.10.00-20 DUAL**	0	$16,160
		SOLID RUBBER Tires for industrial applications. Requires: 20kph / 12.4mph travel speed Spacer rings are included.		
L	474-7236	**TIRES,BRIDGEST.11.00-20 DUAL.**	0	$6,180
		BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY) The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud. Spacer rings are included. CANNOT BE USED WITH: Axles, wide		

SINGLE TIRES

L	253-1634	**TIRES,MICH.18R19.5 XF SINGLE.**	1,349	$6,580
		MICHELIN XF, 445/70R 19.5 Radial single tire with aggressive directional tread designed to deliver exceptional traction and performance.		

HYDRAULICS

MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS

L	431-8614	**CONTROL, MPF**	0	$1,280
		Provides medium pressure circuit for tool rotation/tilt. ONLY FOR USE WITH: One piece boom (1PC) Two piece boom (VA)		
L	431-9304	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Provides medium pressure circuit for tool rotation/tilt. Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit ONLY FOR USE WITH: One piece boom (1PC) Two piece boom (VA)		

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		
L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

SEATS & SEAT-BELTS

Comfort Seat

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		Includes: 2"/51mm retractable seat belt The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater		
L	393-1386	**SEAT COMFORT W/3" SEAT BELT**	0	$830
		Includes: 3"/76mm retractable seat belt The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater		

Deluxe Seat

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		Includes: 2"/51mm retractable seat belt The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening.		
L	393-1387	**SEAT DELUXE W/3" SEAT BELT**	0	$2,495
		Includes: 3"/76mm retractable seat belt The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening.		

AUXILIARY HYDRAULIC PEDAL

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick. CANNOT BE USED WITH: Drop nose stick		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

HYDRAULIC JOYSTICK PATTERN

L	509-9862	**JOYSTICK PATTERN, CHANGEABLE** . . . . . Provides ability to change from the standard excavator joystick control pattern (SAE) for hydraulic functions to the backhoe joystick control pattern (ISO).	0	$930

HYDRAULIC JOYSTICK

L	497-1005	**JOYSTICK, 1-SLIDER** . . . . . Provides standard joysticks with 1 slider and 4 buttons.	0	NC
L	488-1890	**JOYSTICK, 2-SLIDER** . . . . . Provides enhanced joysticks with 2 sliders and 5 buttons.	0	$1,245

CONTROL MAIN VALVE

SELECT ONE

L	506-7504	**CONTROL, 1PC & VA** . . . . . Implement Control Valve including 2-way tool control. ONLY FOR USE WITH: Boom Arrangements for standard sticks	0	NC

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC** . . . . . Provides a control unit to activate and control electrical functions of hydraulic components. CANNOT BE USED WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom	0	NC
L	492-8468	**CONTROLLER, ELECTRONIC XL** . . . . . Provides a control unit to activate and control electrical functions of hydraulic components. ONLY FOR USE WITH: Offset Boom, Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom	0	NC

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641** . . . . . Product Link Pro series PL641 uses UMTS 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.	0	NC

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

TECHNOLOGY PRODUCTS (CONT.)

PRODUCT LINK COMMUNICATIONS (Cont.)

L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING / CAB GUARD

Provides led type cab working lights

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights Includes cab rain visor. Without Cab Guard		

Arrangements Including Cab Guard

L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights. Includes cab guards front and roof.		

MIRRORS

L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: VA/Offset		
L	489-4673	**MIRROR, ELECTRIC, 1PC.**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: LANE 3 ONLY One piece booms		
L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	491-1066	**MIRROR, 1PC.**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: LANE 3 ONLY One piece booms		

COOLING

COOLING PACKAGE

L	432-6342	**COOLING SYSTEM, STANDARD**	0	NC
L	432-6346	**COOLING SYSTEM, FINE MESH**	0	$905
		Provides improved protection to the radiator, the ATAAC, the A/C condenser to prevent clogging, when working with the machine in dusty environments. Includes an additional engine air pre-cleaner.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

FRAMES

COUNTERWEIGHTS

L	423-0581	**COUNTERWEIGHT, 7496 LBS**	0	$675
		Standard Counterweight 3400KG / 7450LBS		
L	423-0582	**COUNTERWEIGHT, 8600 LBS**	0	$775
		Heavy Counterweight 3900KG / 8600LBS Recommended for use with: Two piece boom and blade only undercarriage arrangements		

FLUIDS

LUBRICATIONS

L	432-8600	**HYDRAULIC OIL, MINERAL**	0	NC
		Filling with Cat HYDO Advanced 10 oil		

INSTRUCTIONS

INTERNATIONAL INSTRUCTIONS

SELECT ONE:

L	473-2982	**DECALS, NORTH AMERICA (ANSI)**	0	NC

PACKING

EXPORT PACKING

SELECT ONE:

	0G-9240	**COMPLETE STORAGE PROTECTION**	0	$377 NET
		Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix and foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE

UNDERCARRIAGE ATTACHMENTS

L	538-2520	**BRACKET, WIDE AXLE FENDERS**	0	**NC**
		Provides adapters to align steps with outside of tires of Wide Axle Undercarriage Arrangements. REQUIRED BY : Fenders if axle wide ONLY FOR USE WITH: 455-7169 & 423-0710 or 423-0709		

HYDRAULICS

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control and stick lines to complete auxiliary circuit.
REQUIRES 2- Slider Joystick

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	507-1390	**CONTROL, 2ND HPF, 1PC**	0	**$6,000**
		Second high pressure control valve. ONLY FOR USE WITH: One piece boom & 2 slider joystick LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	507-1391	**CONTROL, 2ND HPF, VA**	0	**$5,690**
		Second high pressure control valve. ONLY FOR USE WITH: Two piece boom (VA)& 2 slider joystick CANNOT BE USED WITH: Drop nose stick		

Second High Pressure Hydraulic Circuit Stick Lines

Must order stick lines to complete auxiliary circuit.

L	254-2610	**LINES, 2ND HPF, 7'10" STICK**	24	**$765**
		Second high pressure lines for stick 2.4M / 7' 10". REQUIRED BY: CONTROL 2ND HPF		
L	254-2611	**LINES, 2ND HPF, 8'6" STICK**	29	**$835**
		Second high pressure lines for stick 2.6M / 8' 6". REQUIRED BY: CONTROL 2ND HPF		

Couplings Circuit

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS (CONT.)

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP (Cont.)

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" Provides a set of two adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt)		

Quick Coupler Control Settings

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler. CANNOT BE USED WITH: Drop nose stick,CW-type quick coupler, CAT tilt rotator support		
L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of cat tilt rotator support Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure. ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER		

ELECTRICAL

ALARM

L	505-5366	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: USA & Canada dealers Acoustical warning signal when moving the machine .		

SAFETY AND SECURITY

BEACON

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

MACHINE SECURITY SYSTEM

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Advanced, programmable system to manage access to machine. Requires special Machine Security System keys. Machine shipped with system inactive but with two of these keys already programmed into system. Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys. Additional keys available through Parts Distribution.		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible with pin-on CAT Tilt-Rotator System (TRS) models. If the machine will be equiped with a pin-on TRS model please select PIN,BUCKET,ADJ.

P	123-4968	PIN, BUCKET, ADJ	68 68	$362 $362 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" CANNOT BE USED WITH: Drop nose stick		

EXCAVATION BUCKETS (CW Coupler Buckets)

These buckets cannot be ordered with MISC Material Order. Dealers in AM-N can place miscellaneous bucket orders by consulting Cat Work Tools at 1-800- 255-2372 for bucket options, availability and appropriate ordering instructions.

FIELD INSTALLED ATTACHMENTS

KITS FOR FIELD INSTALLATION

Please contact Product Group if further details are required.

L	473-7060	KIT, CAB GUARD, FOGS	0	$4,885 NI
		Provides cab guards front and top for field installation. " AVAILABLE ON A MISCELLANEOUS ORDER"		
L	487-0165	KIT, COOLING, WASTE HANDLING	0	$9,060 NI
		Provides reversible fan and radiator screen vibration functionality to prevent radiator clogging in dusty environments. Includes engine air precleaner. " AVAILABLE ON A MISCELLANEOUS ORDER"		

PACKING

EXPORT PACKING

	0G-3565	PACKING -SEA/TRUCK MISC.MATER..	0	$217 NET
		ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)		
	0G-3561	PACKING - SEA/TRUCK BH BUCKET	0	$283 NET
		ONLY FOR USE WITH: Only with Not installed bucket (Ni)		

M320 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Cat C7.1, EPA/ARB tier 4 Final and EU
-Stage IV certified engine with
-Aftertreatment
-Altitude capability: 3000m/9842 ft
-Automatic starting aid

UNDERCARRIAGE

Four wheel drive
Heavy-duty axles with advanced disc brake system and travel motor with adjustable braking force
Hydrostatic transmission, two speed
Automatic lock mode for oscillating front axle & service brake
Steps including tool boxes, left & right

HYDRAULICS

Heavy lift mode
Separate swing pump
Load sensing hydraulic system

ELECTRICAL

Alternator, 115 ampere
Roading lights (two front, two rear)
Signal/warning horn
Refueling pump

OPERATOR ENVIRONMENT

Reinforced cab structure compliant with 2006/42/EC and tested according ISO 12117-2:2008
Air conditioner heater & defroster
24 Volt lighter
Bolt-on FOGS capability
Bottom mounted, intermittent, parallel wiper and washer
Full graphic and full color display
Interior lighting with door switch
Joysticks, pilot operated
Left side console, tiltable, with lock-out for all controls
FM radio incl speakers
Power supply, 12V-10A
Steering column, adjustable angle & height
Sunshade for windshield and skylight
Cruise control system
Pin code type engine start prevention
RHS and rear view camera (incl.lights) displayed on additional cab monitor

OTHER STANDARD EQUIPMENT

BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake
Capability to add auxiliary hydraulic circuits
Caterpillar datalink and electronic technician capability

M320 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Lane 2 is reserved for the Base Order Management program.
Please only use Lane 2 when placing orders that are part of the Base Order Management Program.

543-4204 **M320F WHL HEX AM-N DCA1** 0 **$324,590**

LANE 1 - AVAILABLE FROM BALTIMORE PDC

Maximum lifting forces for contractors and county work:
4 stabilizers, VA boom, 9'2" stick, high & medium pressure
and pin grabber lines, tool control, joystick steering ,
B linkage compatible.

The following attachments MUST be selected from Lane 1
Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore
permanent part of the lower frame. It is not possible to
add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3121 M320F WHEEL EXCAVATOR
503-4943 BOOM, VA, A-LUBE
503-2179 STICK, 2.8M , A-LUBE (9'2")
423-0708 UC OUT. FRONT & REAR
373-6030 SEAT COMFORT W/51 MM SEAT BELT (2")
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
474-7221 TIRES, MITAS 10.00-20 DUAL
123-4801 PIN, BUCKET, ADJ
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
433-5666 COUNTERWEIGHT, 4200 KG (9258 LBS)
423-0668 BLCV, VA
435-5726 SPEED 35 KPH (21.7 MPH)
434-6352 CONTROL, JOYSTICK STEERING
432-6342 COOLING SYSTEM, STANDARD
435-5720 HYDRAULIC OIL, MINERAL
454-2156 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
473-2982 DECALS, NORTH AMERICA (ANSI)
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-8468 CONTROLLER, ELECTRONIC XL
494-0903 SETTING, QC CTRL, PIN GRABBER
497-1005 JOYSTICK, 1-SLIDER
505-5366 ALARM, BACK-UP
510-9701 CONTROL, 1PC & VA
509-9866 JOYSTICK PATTERN, CHANGEABLE

NOTE: Please refer to the Lane 1 section to complete your order.

M320 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

		Ship Weight lbs	LIST PRICE AT DEALER
512-3080	**M320F WHL HEX AM-N DCA3**	0	**$319,820**

LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work:
Blade front, stabilizers rear, VA boom, 9'2" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , B linkage compatible.

The following attachments MUST be selected from Lane 1
Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3121 M320F WHEEL EXCAVATOR
503-4943 BOOM, VA, A-LUBE
503-2179 STICK, 2.8M , A-LUBE (9'2")
423-0706 UC BLADE FRONT/ OUT.REAR
373-6030 SEAT COMFORT W/51 MM SEAT BELT (2")
489-2995 CAB, 70/30
374-5098 WIPER, 70/30
474-7221 TIRES, MITAS 10.00-20 DUAL
123-4801 PIN, BUCKET, ADJ
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
433-5666 COUNTERWEIGHT, 4200 KG (9258 LBS)
423-0668 BLCV, VA
435-5726 SPEED 35 KPH (21.7 MPH)
434-6352 CONTROL, JOYSTICK STEERING
432-6342 COOLING SYSTEM, STANDARD
435-5720 HYDRAULIC OIL, MINERAL
454-2156 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
473-2982 DECALS, NORTH AMERICA (ANSI)
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-8468 CONTROLLER, ELECTRONIC XL
494-0903 SETTING, QC CTRL, PIN GRABBER
497-1005 JOYSTICK, 1-SLIDER
505-5366 ALARM, BACK-UP
510-9701 CONTROL, 1PC & VA
509-9866 JOYSTICK PATTERN, CHANGEABLE

NOTE: Please refer to the Lane 1 section to complete your order.

501-3121	**M320F WHEEL EXCAVATOR**	0	**$230,050**

LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

0G-0391	**M320F MISCELLANEOUS MATERIAL**	0	**NC**

AVAILABLE FROM GRENOBLE FACTORY

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.	LANE 1	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

Lane selection

Mandatory with Baltimore DCA3:

0P-9001	**LANE 1 ORDER**	0	**NC**
0G-9240	**COMPLETE STORAGE PROTECTION** Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix AND foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment	0	**$377 NET**

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC
		Only for dealers enrolled in the Base Orders Management (BOM) program.		
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS FOR STANDARD STICKS

L	503-4078	BOOM, 1PC, A-LUBE	0	$38,170
		Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick Coupler control boom lines. One piece boom 5.35M / 17' 7" ONLY FOR USE WITH: LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	503-4943	BOOM, VA, A-LUBE	0	$41,620
		Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick Coupler control boom lines. Two piece boom 5.26M / 17' 3" CANNOT BE USED WITH: Drop nose stick		

STANDARD STICK ARRANGEMENTS INCLUDING BUCKET LINKAGE

Includes:
Bucket linkage and cylinder.
High pressure auxiliary hydraulic circuit stick lines.
Medium pressure auxiliary hydraulic circuit stick lines.
With CVC type quick disconnect couplings.
Quick coupler control stick lines.
Automatic Lubrication System stick lines.

L	503-2180	STICK, 8'2'', A-LUBE	0	$14,900
		Standard Stick ONLY FOR USE WITH: Boom Arrangement for standard sticks		
L	503-2179	STICK, 9'2", A-LUBE	0	$15,290
		Standard Stick ONLY FOR USE WITH: Boom Arrangement for standard sticks		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.
Smartboom eases operations and improves operator comfort.
It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

L	423-0674	**RIDE CONTROL, 1PC**	0	$4,290
		Arrangement including Ride Control & BLCV Note: Smartboom not included ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	423-0671	**RIDE CONTROL, VA**	0	$5,430
		Arrangement including Ride Control & BLCV Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA) CANNOT BE USED WITH: Drop nose stick		
L	423-0686	**RC, 1PC INCL. SMARTBOOM**	0	$7,120
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY CANNOT BE USED WITH: Drop nose stick		
L	423-0683	**RC, VA INCL. SMARTBOOM**	0	$8,250
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: Two piece boom (VA) CANNOT BE USED WITH: Drop nose stick		
L	435-7592	**BLCV, 1PC**	0	NC
		Arrangement without Ride Control Note: Smartboom not included ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY		
L	423-0668	**BLCV, VA**	0	$1,135
		Arrangement without Ride Control Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA)		

POWERTRAIN

TRAVEL SPEED

L	440-3565	**SPEED 12.4 MPH**	0	NC
		Travel speed 20kph / 12.4mph CANNOT BE USED WITH: Cooling Package Fine Mesh		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

POWERTRAIN (CONT.)

TRAVEL SPEED (Cont.)

L	435-5726	**SPEED 21.7 MPH**	0	NC
		Travel speed 35kph / 21,7mph		
		CANNOT BE USED WITH: Cooling Package Fine Mesh		
		Solid Rubber Tires		
L	425-0167	**SPEED 12.4 MPH, FINE MESH**	0	NC
		Travel speed 20kph / 12.4mph		
		ONLY FOR USE WITH: Cooling Package Fine Mesh		
L	440-3567	**SPEED 21.7 MPH, FINE MESH**	0	NC
		Travel speed 35kph / 21,7mph		
		ONLY FOR USE WITH: Cooling Package Fine Mesh		
		CANNOT BE USED WITH: Solid Rubber Tires		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

Standard Axle Arrangements

Axle width 2.5M / 8′ 2"

L	423-0706	**UC BLADE FRONT/ OUT.REAR**	0	$21,260
		Includes: Welded undercarriage		
		Outriggers rear		
		Parallel blade front remote greasing (width: 2.55M / 8’ 4”)		
		Axle width 2.5M / 8’ 2"		
L	503-4255	**UC BLADE FRONT / OUT. REAR, TR**	0	$28,170
		Includes: Welded heavy duty undercarriage		
		Trailer Preparation(Bracket for trailer hook at outrigger,electrical & hydraulic ports at undrecarriage)		
		Outriggers rear		
		Parallel blade front remote greasing (width: 2.55M / 8’ 4”)		
		Axle width 2.5M / 8’ 2"		
L	423-0707	**UC OUT.FRONT / BLADE REAR**	0	$21,960
		Includes: Welded undercarriage		
		Outriggers front		
		Parallel blade rear remote greasing (width: 2.55M / 8’ 4”)		
		Axle width 2.5M / 8’ 2"		
L	423-0708	**UC OUT. FRONT & REAR.**	0	$26,030
		Includes: Welded undercarriage		
		Outriggers front		
		Outriggers rear		
		Axle width 2.5M / 8’ 2"		

Wide Axle Arrangements

Axle width 2.69M / 8′ 10"

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

STEPS & FENDERS

L	454-2156	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox.		
L	455-7169	**STEPS, UC, INCL. FENDERS**	0	$2,705
		Uppercarriage access steps with integrated toolbox. Includes: One set of four fenders reducing dirt and water spray from tires onto machine.		

TIRES

DUAL TIRES

L	474-7221	**TIRES, MITAS 10.00-20 DUAL**	0	$1,820
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		
L	478-6660	**TIRES,MITAS EM23 10.00-20 DUAL**	0	$2,900
		MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16. Higher resistance to puncture and tread wear due to higher filling of tread area. Special tread pattern for stony and hard terrain. Spacer rings are included.		
L	474-7226	**TIRES,SOLID RUB.10.00-20 DUAL**	0	$16,160
		SOLID RUBBER Tires for industrial applications. Spacer rings are included. REQUIRES: 20kph / 12.4mph travel speed		
L	474-7236	**TIRES,BRIDGEST.11.00-20 DUAL.**	0	$6,180
		BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY) The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud. Spacer rings are included. CANNOT BE USED WITH: Axles, wide		

SINGLE TIRES

L	253-1634	**TIRES,MICH.18R19.5 XF SINGLE.**	1,349	$6,580
		MICHELIN XF 445/70R 19.5 Radial single tire with aggressive directional tread designed to deliver exceptional traction and performance.		

HYDRAULICS

MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS

L	431-8615	**CONTROL, MPF**	0	$1,280
		Provides medium pressure circuit for tool rotation/tilt.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS (CONT.)

MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS (Cont.)

L	434-6352	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Provides medium pressure circuit for tool rotation/tilt. Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit		

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		
L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

SEATS & SEAT-BELTS

Comfort Seat

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater. Includes: 2"/51mm retractable seat belt		
L	393-1386	**SEAT COMFORT W/3" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater. Includes: 3"/76mm retractable seat belt		

Deluxe Seat

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

SEATS & SEAT-BELTS (Cont.)

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 2"/51mm retractable seat belt		
L	393-1387	**SEAT DELUXE W/3" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 3"/76mm retractable seat belt		

AUXILIARY HYDRAULIC PEDAL

SELECT ONE:

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick. CANNOT BE USED WITH: Drop nose stick		

HYDRAULIC JOYSTICK PATTERN

L	509-9866	**JOYSTICK PATTERN, CHANGEABLE**	0	$930
		Provides ability to change from the standard excavator joystick control pattern (SAE) for hydraulic functions to the backhoe joystick control pattern (ISO).		

HYDRAULIC JOYSTICK

SELECT ONE:

L	497-1005	**JOYSTICK, 1-SLIDER**	0	NC
		Provides standard joysticks with 1 slider and 4 buttons.		
L	488-1890	**JOYSTICK, 2-SLIDER**	0	$1,245
		Provides enhanced joysticks with 2 sliders and 5 buttons.		

Control Main Valve

L	510-9701	**CONTROL, 1PC & VA**	0	NC
		Implement Control Valve including 2 way tool control. ONLY FOR USE WITH: Boom Arrangements for standard sticks		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. CANNOT BE USED WITH: Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		
L	492-8468	**CONTROLLER, ELECTRONIC XL**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. ONLY FOR USE WITH: Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641**	0	NC
		Product Link Pro series PL641 uses UMTS 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.		
L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING/ CAB GUARD

Arrangements without Cab Guard

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights Includes cab rain visor.		

Arrangements Including Cab Guard

L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights Includes cab guards front and roof.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

SAFETY AND SECURITY (CONT.)

MIRRORS

L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	489-4673	**MIRROR, ELECTRIC, 1PC.**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: One piece booms LANE 3 ONLY		
L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	491-1066	**MIRROR, 1PC.**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: LANE 3 ONLY One piece booms		

COOLING

COOLING PACKAGE

L	432-6342	**COOLING SYSTEM, STANDARD**	0	NC
L	432-6346	**COOLING SYSTEM, FINE MESH**	0	$905
		Provides improved protection to the radiator, the ATAAC, the A/C condenser to prevent clogging, when working with the machine in dusty environments. Includes an additional engine air pre-cleaner.		

FRAMES

COUNTERWEIGHTS

L	433-5665	**COUNTERWEIGHT, 8156 LBS**	0	$735
		Standard Counterweight 3700KG / 8150LBS		
L	433-5666	**COUNTERWEIGHT, 9258 LBS**	0	$830
		Heavy Counterweight 4200KG / 9250LBS Not allowed for roading in certain territories as axle load exceeds 12 tons. CANNOT BE USED WITH: DBS CERTIFICATE, GERMANY		

FLUIDS

LUBRICATIONS

L	435-5720	**HYDRAULIC OIL, MINERAL**	0	NC
		Filling with Cat HYDO Advanced 10 oil		

INSTRUCTIONS

INTERNATIONAL INSTRUCTIONS

L	473-2982	**DECALS, NORTH AMERICA (ANSI)**	0	NC

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

PACKING

EXPORT PACKING

0G-9240 **COMPLETE STORAGE PROTECTION** . . . . . 0 **$377 NET**

Includes CILIX and foam protection on all cylinders
Machines from the factory have been sprayed with Fluid Film TM.
This product is added for corrosion protection while shipping
and for extended storage periods. This product will need to be power
washed with soapy water prior to shipment to the customer.
Cilix and foam protection on all cylinders are also included
in this storage protection procedure.
Includes operator protections in cab
Required for: Shipping by sea from Grenoble France
Recommended for: all type of long distance shipment

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE

UNDERCARRIAGE ATTACHMENTS

L	538-2520	**BRACKET, WIDE AXLE FENDERS**	0	**NC**
		Provides adapters to align steps with outside of tires of Wide Axle Undercarriage Arrangements. REQUIRED BY : Fenders if axle wide ONLY FOR USE WITH: 455-7169 & 423-0710 or 423-0709		

HYDRAULICS

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control and stick lines to complete auxiliary circuit.

REQUIRES 2-SLIDER JOYSTICK

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	509-9879	**CONTROL, 2ND HPF, 1PC**	0	$6,060
		Second high pressure control valve. ONLY FOR USE WITH: One piece boom & 2 slider joystick LANE 3 ONLY CANNOT BE USED WITH: Drop nose sticks		
L	509-9880	**CONTROL, 2ND HPF, VA**	0	$5,750
		Second high pressure control valve. ONLY FOR USE WITH: Two piece boom (VA)& 2 slider joystick CANNOT BE USED WITH: Drop nose sticks		

Second High Pressure Hydraulic Circuit Stick Lines

Must order stick lines to complete auxiliary circuit.

L	251-7918	**LINES, 2ND HPF, 8'2" STICK**	24	$800
		Second high pressure lines for stick 2.5M / 8' 2". REQUIRED BY: CONTROL 2ND HPF		
L	251-7919	**LINES, 2ND HPF, 9'2" STICK**	26	$905
		Second high pressure lines for stick 2.8M / 9' 2". REQUIRED BY: CONTROL 2ND HPF		

Couplings Circuit

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		Provides adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt)		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS (CONT.)

QUICK COUPLER CONTROL SETTINGS

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler. CANNOT BE USED WITH: Drop nose stick, CW-type quick coupler, Cat tilt rotator support		
L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of cat tilt rotator support Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure. ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER		

ELECTRICAL

ALARM

L	505-5366	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: USA & Canada dealers Acoustical warning signal when moving the machine .		

SAFETY AND SECURITY

BEACON

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

Machine Security System

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Advanced, programmable system to manage access to machine. Requires special Machine Security System keys. Machine shipped with system inactive but with two of these keys already programmed into system. Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys. Additional keys available through Parts Distribution.		

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible with pin-on CAT Tilt-Rotator System (TRS) models.
If the machine will be equiped with a pin-on TRS model please select PIN,BUCKET,ADJ.

P	123-4801	**PIN, BUCKET, ADJ**	95 95	$356 $356 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" CANNOT BE USED WITH: Drop nose sticks		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

BUCKETS (CONT.)

BUCKET RETENTION PINS (Cont.)

EXCAVATION BUCKETS (CW Coupler Buckets)

These buckets cannot be ordered with MISC Material Order.
Dealers in AM-N can place miscellaneous bucket orders by consulting Cat Work Tools at 1-800- 255-2372 for bucket options, availability and appropriate ordering instructions.

FIELD INSTALLED ATTACHMENTS

KIT FOR FIELD INSTALLATION

Not Installed Attachments

Please contact Product Group if further details are required.

L	473-7060	**KIT, CAB GUARD, FOGS**	0	**$4,885 NI**
		Provides cab guards front and top for field installation. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		
L	487-0165	**KIT, COOLING, WASTE HANDLING**	0	**$9,060 NI**
		Provides reversible fan and radiator screen vibration functionality to prevent radiator clogging in dusty environments. Includes engine air precleaner. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

PACKING

EXPORT PACKING

0G-3565	**PACKING -SEA/TRUCK MISC.MATER..**	0	**$217 NET**
	ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)		
0G-3561	**PACKING - SEA/TRUCK BH BUCKET**	0	**$283 NET**
	ONLY FOR USE WITH: Only with Not installed bucket (Ni)		

M322F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

Engine:
-Cat C7.1, EPA/ARB tier 4 Final and EU
-Stage IV certified engine with
-Aftertreatment
-Altitude capability: 3000m/9842 ft
-Automatic starting aid

UNDERCARRIAGE

Four wheel drive
Heavy-duty axles with advanced disc brake system and travel motor with adjustable braking force
Hydrostatic transmission, two speed
Automatic lock mode for oscillating front axle & service brake
Steps including tool boxes, left & right

HYDRAULICS

Heavy lift mode
Separate swing pump
Load sensing hydraulic system

ELECTRICAL

Alternator, 115 ampere
Roading lights (two front, two rear)
Signal/warning horn
Refueling pump

OPERATOR ENVIRONMENT

Reinforced cab structure compliant with 2006/42/EC and tested according ISO 12117-2:2008
Air conditioner heater & defroster
24 Volt lighter
Beverage cup/can holder
Bolt-on FOGS capability
Bottom mounted, intermittent, parallel wiper and washer
Full graphic and full color display
Interior lighting with door switch
Joysticks, pilot operated
Left side console, tiltable, with lock-out for all controls
FM radio incl speakers
Power supply, 12V-10A
Steering column, adjustable angle & height
Storage compartment suitable for a lunch box
Sunshade for windshield and skylight
Cruise control system
Pin code type engine start prevention
RHS and rear view camera (incl.lights) displayed on additional cab monitor

OTHER STANDARD EQUIPMENT

BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake
Capability to add auxiliary hydraulic circuits
Caterpillar datalink and electronic technician capability

M322F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

	Ship Weight lbs	LIST PRICE AT DEALER

Lane 2 is reserved for the Base Order Management program.
Please only use Lane 2 when placing orders that are part of the Base Order Management Program.

512-3081 **M322F WHL HEX AM-N DCA1** 0 **$368,210**

LANE 1 - AVAILABLE FROM BALTIMORE PDC

Maximum lifting forces for contractors and county work:
4 stabilizers, VA boom, 9'6" stick, high & medium pressure
and pin grabber lines, tool control, joystick steering ,
B linkage compatible.

The following attachments MUST be selected from Lane 1
Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore
permanent part of the lower frame. It is not possible to
add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3122 M322F WHEEL EXCAVATOR
503-4944 BOOM, VA, A-LUBE
503-2178 STICK, 2.9 M (9'6"), A-LUBE
465-7060 UC OUT. FRONT & REAR
373-6030 SEAT COMFORT W/51 (W/2") SEAT BELT
489-2995 CAB, 70/30
123-4801 PIN, BUCKET, ADJ
374-5098 WIPER, 70/30
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
423-0669 BLCV, VA
434-2731 COOLING SYSTEM, STANDARD
440-3569 SPEED 30 KPH (18.6 MPH)
485-2364 COUNTERWEIGHT, 4700 Kg (10350 LBS)
454-2157 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
465-7062 HYDRAULIC OIL, MINERAL
465-7065 CONTROL, JOYSTICK STEERING
473-2982 DECALS, NORTH AMERICA (ANSI)
474-7231 TIRES, MITAS 11.00-20 DUAL
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-8471 CONTROLLER, ELECTRONIC XL
494-0903 SETTING, QC CTRL, PIN GRABBER
497-1005 JOYSTICK, 1-SLIDER
505-5366 ALARM, BACK-UP
509-9870 JOYSTICK PATTERN, CHANGEABLE
510-9702 CONTROL, 1PC & VA

NOTE: Please refer to the Lane 1 section to complete your order.

M322F HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

		Ship Weight lbs	LIST PRICE AT DEALER
543-4203	**M322F WHL HEX AM-N DCA3**	0	**$363,360**

LANE 1 - AVAILABLE FROM BALTIMORE PDC

Versatility for contractors and county work:
Blade front, stabilizers rear, VA boom, 9'6" stick, high & medium pressure and pin grabber lines, tool control, joystick steering , B linkage compatible.

The following attachments MUST be selected from Lane 1
Mandatory section : 0P9001 , 0G9240 .
Undercarriage attachments are welded on and are therefore permanent part of the lower frame. It is not possible to add/remove or to change any outrigger or blade undercarriage

INCLUDES:
501-3122 M322F WHEEL EXCAVATOR
503-4944 BOOM, VA, A-LUBE
503-2178 STICK, 2.9 M (9'6"), A-LUBE
477-2417 UC BLADE FRONT/ OUT.REAR
373-6030 SEAT COMFORT W/51 (W/2") SEAT BELT
489-2995 CAB, 70/30
123-4801 PIN, BUCKET, ADJ
374-5098 WIPER, 70/30
383-3964 PEDAL, HPF/HAMMER
422-9762 BEACON, ROTATING, REMOVABLE
423-0669 BLCV, VA
434-2731 COOLING SYSTEM, STANDARD
440-3569 SPEED 30 KPH (18.6 MPH)
485-2364 COUNTERWEIGHT, 4700 Kg (10350 LBS)
454-2157 STEPS, UC
459-6004 PRODUCT LINK, CELLULAR PL641
465-7062 HYDRAULIC OIL, MINERAL
465-7065 CONTROL, JOYSTICK STEERING
473-2982 DECALS, NORTH AMERICA (ANSI)
474-7231 TIRES, MITAS 11.00-20 DUAL
491-1065 MIRROR, VA/MH
491-8396 LIGHTS, LED
492-8471 CONTROLLER, ELECTRONIC XL
494-0903 SETTING, QC CTRL, PIN GRABBER
497-1005 JOYSTICK, 1-SLIDER
505-5366 ALARM, BACK-UP
509-9870 JOYSTICK PATTERN, CHANGEABLE
510-9702 CONTROL, 1PC & VA

NOTE: Please refer to the Lane 1 section to complete your order.

501-3122	**M322F WHEEL EXCAVATOR**	0	**$264,180**

LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

0G-0545	**M322F MISCELLANEOUS MATERIAL**	0	**NC**

AVAILABLE FROM GRENOBLE FACTORY

Only reference numbers that have the text
"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" can be used on a Misc order.

USE	REF NO.	LANE 1 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE 1 AM-NORTH MANDATORY ATTACHMENTS

Mandatory ATT with M322F ADSD-N DCA1 , ADSD-N DCA3

0P-9001	LANE 1 ORDER	0	NC
0G-9240	COMPLETE STORAGE PROTECTION Includes CILIX and foam protection on all cylinders Machines from the factory have been sprayed with Fluid Film TM. This product is added for corrosion protection while shipping and for extended storage periods. This product will need to be power washed with soapy water prior to shipment to the customer. Cilix and foam protection on all cylinders are also included in this storage protection procedure. Includes operator protections in cab Required for: Shipping by sea from Grenoble France Recommended for: all type of long distance shipment	0	$377 NET

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER Only for dealers enrolled in the Base Orders Management (BOM) program.	0	NC
	0P-9003	LANE 3 ORDER	0	NC

BOOMS, STICKS, AND LINKAGES

BOOM ARRANGEMENTS

L	503-4079	BOOM, 1PC, A-LUBE Arrangements for standard sticks Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick Coupler control boom lines. One piece boom 5.65M / 18' 6" ONLY FOR USE WITH: LANE 3 ONLY	0	$43,720
L	503-4944	BOOM, VA, A-LUBE Arrangements for standard sticks Includes: Cab controlled Automatic Lubrication System for front linkage and swing bearing. High pressure 2-way tool control circuit boom lines. Medium pressure auxiliary hydraulic circuit boom lines. CW & Pin Grabber Quick Coupler control boom lines. Two piece boom 5.49M / 18'	0	$48,370

STICK ARRANGEMENTS

L	503-2185	STICK, 8'2'', A-LUBE Standard sticks including Bucket Linkage Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. With CVC type quick disconnect couplings. Quick coupler control stick lines. Automatic Lubrication System stick lines.	0	$15,850
L	503-2178	STICK, 9'6'', A-LUBE Standard sticks including Bucket Linkage Includes: Bucket linkage and cylinder. High pressure auxiliary hydraulic circuit stick lines. Medium pressure auxiliary hydraulic circuit stick lines. With CVC type quick disconnect couplings. Quick coupler control stick lines. Automatic Lubrication System stick lines.	0	$16,340

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

BOOMS, STICKS, AND LINKAGES (CONT.)

SMARTBOOM & RIDE CONTROL

The Ride Control feature improves operator comfort by reducing machine bouncing when travelling.

Smartboom eases operations and improves operator comfort. It is useful and recommended for Hammering, Rock-cleaning and smooth leveling.

Includes:
Boom lowering control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.

L	423-0687	**RC, 1PC INCL. SMARTBOOM**	0	$7,120
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY		
L	423-0684	**RC, VA INCL. SMARTBOOM**	0	$8,250
		Arrangement including Ride Control & BLCV Includes: Smartboom ONLY FOR USE WITH: Two piece boom (VA)		
L	471-1544	**BLCV, 1PC**	0	NC
		Arrangement without Ride Control Note: Smartboom not included ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY		
L	423-0669	**BLCV, VA**	0	$1,145
		Arrangement without Ride Control Note: Smartboom not included ONLY FOR USE WITH: Two piece boom (VA)		
L	423-0678	**BLCV, 1PC INCL. SMARTBOOM**	0	$2,825
		Arrangement without Ride Control Includes: Smartboom ONLY FOR USE WITH: One piece boom (1PC) LANE 3 ONLY		
L	423-0681	**BLCV, VA INCL. SMARTBOOM**	0	$3,960
		Arrangement without Ride Control Includes: Smartboom ONLY FOR USE WITH: Two piece boom (VA)		

POWERTRAIN

TARVEL SPEED

L	440-3568	**SPEED 12.4 MPH**	0	NC
		Travel speed 20kph / 12.4mph CANNOT BE USED WITH: Cooling Package Fine Mesh		
L	440-3569	**SPEED 18.6 MPH**	0	NC
		Travel speed 30kph / 18.6mph CANNOT BE USED WITH: Cooling Package Fine Mesh Solid Rubber Tires		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

POWERTRAIN (CONT.)

TARVEL SPEED (Cont.)

L	440-3571	**SPEED 12.4 MPH, FINE MESH**	0	NC
		Travel speed 20kph / 12.4mph		
		ONLY FOR USE WITH: Cooling Package Fine Mesh		
L	452-4478	**SPEED 18.6 MPH, FINE MESH**	0	NC
		Travel speed 30kph / 18.6mph		
		ONLY FOR USE WITH: Cooling Package Fine Mesh		
		CANNOT BE USED WITH: Solid Rubber Tires		

UNDERCARRIAGE

UNDERCARRIAGE ARRANGEMENTS

NOTE: Undercarriage attachments are welded on and are therefore a permanent part of the machine.It is not possible to add or change dozer blade or outrigger attachments.

L	477-2417	**UC BLADE FRONT/ OUT.REAR**	0	$22,580
		Includes: Welded undercarriage		
		Outriggers rear		
		Parallel blade rear remote greasing (width: 2.75M / 9')		
		Standard Axle width 2.69M / 8' 10"		
L	465-7058	**UC OUT.FRONT / BLADE REAR**	0	$23,290
		Includes: Welded undercarriage		
		Outriggers front		
		Parallel blade rear remote greasing (width: 2.75M / 9')		
		Standard Axle width 2.69M / 8' 10"		
L	465-7060	**UC OUT. FRONT & REAR.**	0	$27,430
		Includes: Welded undercarriage		
		Outriggers front		
		Outriggers rear		
		Standard Axle width 2.69M / 8' 10"		

STEPS & FENDERS

L	454-2157	**STEPS, UC**	0	$256
		Uppercarriage access steps with integrated toolbox.		

TIRES

DUAL TIRES

L	474-7226	**TIRES,SOLID RUB.10.00-20 DUAL**	0	$16,160
		SOLID RUBBER		
		Tires for industrial applications.		
		Spacer rings are included.		
		REQUIRES: 20kph / 12.4mph travel speed		
L	474-7228	**TIRES,BRIDGEST.11.00-20 DUAL.**	0	$5,630
		BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY)		
		The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud.		
		Spacer rings are included.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

UNDERCARRIAGE (CONT.)

TIRES (Cont.)

L	474-7231	**TIRES, MITAS 11.00-20 DUAL**	0	$1,995
		MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16. Spacer rings are included.		

HYDRAULICS

MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS

L	431-8616	**CONTROL, MPF**	0	$1,280
		Provides medium pressure circuit for tool rotation/tilt.		
L	465-7065	**CONTROL, JOYSTICK STEERING**	0	$3,395
		Provides medium pressure circuit for tool rotation/tilt. Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick. Includes: Auxiliary medium pressure control circuit		

OPERATOR ENVIRONMENT

CAB WINDSHIELD

L	486-0957	**CAB, 1-PC**	0	NC
		Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A) Laminated glass top window (10MM / 0.4", EN356 P5A). Tempered glass side & rear windows.		
L	489-2995	**CAB, 70/30**	0	NC
		Openable, 70/30 split, laminated glass windshield (Tempered glass lower window 4MM / 0.16" Laminated glass upper window 7MM / 0.28") Laminated glass top window and tempered glass side and rear windows.		

WINDSHIELD WIPER

L	374-5097	**WIPER, 1-PC**	0	NC
		ONLY FOR USE WITH: 1-PC windshield		
L	374-5098	**WIPER, 70/30**	0	NC
		ONLY FOR USE WITH: 70/30 windshield		

Seats & Seat-Belts

Comfort Seat

L	373-6030	**SEAT COMFORT W/2" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 2"/51mm retractable seat belt		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

Seats & Seat-Belts (Cont.)

L	393-1386	**SEAT COMFORT W/3" SEAT BELT**	0	$830
		The Comfort Seat features vertical air suspension (low-frequency), horizontal suspension, automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length and angle adjustment and a seat heater Includes: 3"/76mm retractable seat belt		

Deluxe Seat

L	377-4501	**SEAT DELUXE W/2" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 2"/51mm retractable seat belt		
L	393-1387	**SEAT DELUXE W/3" SEAT BELT**	0	$2,495
		The Deluxe Seat features vertical air suspension (low-frequency), horizontal suspension, automatic height & weight adjustment, active climate system (two step heating & body sweat removal),premium microfibre seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening. Includes: 3"/76mm retractable seat belt		

Auxiliary Hydraulic Pedal

L	261-3608	**NO PEDAL**	2	NC
		Floorboard cover required if HPF/Hammer pedal is not selected.		
L	383-3964	**PEDAL, HPF/HAMMER**	0	$1,015
		HPF/Hammer Pedal allows secondary operation of auxiliary high pressure control circuit in addition to the standard slider control on the right joystick.		

Hydraulic Joystick Pattern

L	509-9870	**JOYSTICK PATTERN, CHANGEABLE**	0	$930
		Provides ability to change from the standard excavator joystick control pattern (SAE) for hydraulic functions to the backhoe joystick control pattern (ISO).		

Hydraulic Joystick

L	497-1005	**JOYSTICK, 1-SLIDER**	0	NC
		Provides standard joysticks with 1 slider and 4 buttons.		
L	488-1890	**JOYSTICK, 2-SLIDER**	0	$1,245
		Provides enhanced joysticks with 2 sliders and 5 buttons.		

CONTROL MAIN VALVE

L	510-9702	**CONTROL, 1PC & VA**	0	NC
		Implement Control Valve including 2 way tool control.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT (CONT.)

CONTROLLERS

L	337-5820	**CONTROLLER, ELECTRONIC**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. CANNOT BE USED WITH: Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		
L	492-8471	**CONTROLLER, ELECTRONIC XL**	0	NC
		Provides a control unit to activate and control electrical functions of hydraulic components. ONLY FOR USE WITH: Ride Control,Joystick Steering 2nd High Pressure Control, Smartboom		

TECHNOLOGY PRODUCTS

PRODUCT LINK COMMUNICATIONS

Product Link enables the remote transmission of information about the 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 presentative with questions.

L	459-6004	**PRODUCT LINK, CELLULAR PL641**	0	NC
		Product Link Pro series PL641 uses UMTS 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.		
L	459-6005	**PRODUCT LINK, SATELLITE PL631**	0	$432
		Product Link Pro series PL631 uses 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.		

SAFETY AND SECURITY

LIGHTING / CAB GUARD

Arrangements without Cab Guard

L	491-8396	**LIGHTS, LED**	0	NC
		Provides LED type cab working lights Includes cab rain visor. Without Cab Guard		

Arrangements Including Cab Guard

L	491-8397	**FOGS, LED**	0	$4,740
		Provides LED type cab working lights Includes cab guards front and roof.		

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

SAFETY AND SECURITY (CONT.)

MIRRORS

L	489-4672	**MIRROR, ELECTRIC, VA/MH**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	489-4673	**MIRROR, ELECTRIC, 1PC.**	0	$990
		Provides rearview mirrors on cab and on RH side of machine. Heated Mirrors adjustable from Cab ONLY FOR USE WITH: One piece booms LANE 3 ONLY		
L	491-1065	**MIRROR, VA/MH**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: Two piece booms (VA & Offset)		
L	491-1066	**MIRROR, 1PC.**	0	NC
		Provides rearview mirrors on cab and on RH side of machine. ONLY FOR USE WITH: LANE 3 ONLY One piece booms		

COOLING

COOLING PACKAGE

L	434-2731	**COOLING SYSTEM, STANDARD**	0	NC
L	465-7064	**COOLING SYSTEM, FINE MESH**	0	$905
		Provides improved protection to the radiator, the ATAAC, the A/C condenser to prevent clogging, when working with the machine in dusty environments. Includes an additional engine air pre-cleaner.		

FRAMES

COUNTERWEIGHTS

L	443-8000	**COUNTERWEIGHT, 7716 LBS**	0	$690
		Standard Counterweight 3500KG / 7700LBS		
L	485-2364	**COUNTERWEIGHT, 10350 LBS**	0	$935
		Heavy Counterweight 4700KG / 10350LBS Not allowed for roading in certain territories as axle load exceeds 12 tons. CANNOT BE USED WITH: DBS CERTIFICATE, GERMANY		

FLUIDS

LUBRICATIONS

L	465-7062	**HYDRAULIC OIL, MINERAL**	0	NC
		Filling with Cat HYDO Advanced 10 oil		

INSTRUCTIONS

INTERNATIONAL INSTRUCTIONS

L	473-2982	**DECALS, NORTH AMERICA (ANSI)**	0	NC

USE	REF NO.	LANE 2 / 3 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

PACKING

EXPORT PACKING

0G-9240 **COMPLETE STORAGE PROTECTION** . . . . . 0 **$377 NET**

Includes CILIX and foam protection on all cylinders
Machines from the factory have been sprayed with Fluid Film TM.
This product is added for corrosion protection while shipping
and for extended storage periods. This product will need to be power
washed with soapy water prior to shipment to the customer.
Cilix and foam protection on all cylinders are also included
in this storage protection procedure.
Includes operator protections in cab
Required for: Shipping by sea from Grenoble France
Recommended for: all type of long distance shipment

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS

SECOND HIGH PRESSURE HYDRAULIC CIRCUIT CONTROL GROUP

Provides additional two way high or medium pressure function for worktools requiring additional hydraulic circuits for tilting or rotating, such as tilt-rotators.
Must order control and stick lines to complete auxiliary circuit.

REQUIRES 2- Slider Joystick

If CAT TILTROTATOR SUPPORT is selected ,2ND HPF Control will be optimized for usage with a Cat Tiltrotator.In this case only one way flow with minimized return line back pressure will be provided

L	509-9881	**CONTROL, 2ND HPF, 1PC**	0	$6,120
		Second high pressure control valve. ONLY FOR USE WITH: One piece boom & 2 slider joystick LANE 3 ONLY		
L	509-9882	**CONTROL, 2ND HPF, VA**	0	$5,810
		Second high pressure control valve. ONLY FOR USE WITH: Two piece boom (VA) & 2 slider joystick		

Second High Pressure Hydraulic Circuit Stick Lines

Must order stick lines to complete auxiliary circuit.

L	251-8048	**LINES, 2ND HPF, 8'2" STICK**	31	$800
		Second high pressure lines for stick 2.5M / 8' 2". REQUIRED BY: CONTROL 2ND HPF		
L	251-8049	**LINES, 2ND HPF, 9'6" STICK**	33	$940
		Second high pressure lines for stick 2.8M / 9' 2". REQUIRED BY: CONTROL 2ND HPF		

Couplings Circuit

P	176-6765	**COUPLING, QUICK DISC MPF DC**	2	$335 NI
		Provides adapters (CVC type coupling to internal thread M22 x 1.5) for stick lines medium pressure, side (bucket tilt)		

QUICK COUPLER CONTROL SETTINGS

L	494-0903	**SETTING, QC CTRL, PIN GRABBER**	0	NC
		Provides control strategy and pressure settings appropriate for Cat Pin Grabber quick coupler. CANNOT BE USED WITH: CW-type quick coupler		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

HYDRAULICS (CONT.)

QUICK COUPLER CONTROL SETTINGS (Cont.)

L	501-6515	**CAT TILTROTATOR SUPPORT**	0	$2,670
		Activation of cat tilt rotator support Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure. ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER		

ELECTRICAL

ALARM

L	505-5366	**ALARM, BACK-UP**	0	$735
		REQUIRED BY: USA & Canada dealers Acoustical warning signal when moving the machine .		

SAFETY AND SECURITY

BEACON

L	422-9762	**BEACON, ROTATING, REMOVABLE**	0	$295
		Orange beacon light with cable and magnet foot.		

MACHINE SECURITY SYSTEM

L	422-9723	**SECURITY SYSTEM, MACHINE**	0	$1,410
		Advanced, programmable system to manage access to machine. Requires special Machine Security System keys. Machine shipped with system inactive but with two of these keys already programmed into system. Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys. Additional keys available through Parts Distribution.		

BUCKETS

BUCKET RETENTION PINS

Note: PIN,BUCKET,TDP bucket retention pins are not compatible
with pin-on CAT Tilt-Rotator System (TRS) models.
If the machine will be equiped with a pin-on TRS model
please select PIN,BUCKET,ADJ.

P	123-4801	**PIN, BUCKET, ADJ**	95	$356
			95	$356 NI
		"ALSO AVAILABLE ON A MISCELLANEOUS ORDER"		

FIELD INSTALLED ATTACHMENTS

KIT FOR FIELD INSTALLED ATTACHMENTS

Not Installed Attachments

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

FIELD INSTALLED ATTACHMENTS (CONT.)

KIT FOR FIELD INSTALLED ATTACHMENTS (Cont.)

Please contact Product Group if further details are required.

L	473-7060	KIT, CAB GUARD, FOGS Provides cab guards front and top for field installation. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"	0	$4,885 NI
L	487-0165	KIT, COOLING, WASTE HANDLING Provides reversible fan and radiator screen vibration functionality to prevent radiator clogging in dusty environments. Includes engine air precleaner. "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"	0	$9,060 NI

PACKING

EXPORT PACKING

	0G-3565	PACKING -SEA/TRUCK MISC.MATER.. ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni)	0	$217 NET