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<br>GRENOBLE, FRANCE | | Ship Weight<br>lbs | LIST PRICE<br>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<br>Arrangements for standard Stick<br>Includes:<br>Cab controlled Automatic Lubrication System for<br>front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick coupler control boom lines.<br>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<br>Includes:<br>Bucket linkage and cylinder.<br>High pressure auxiliary hydraulic circuit stick lines.<br>Medium pressure auxiliary hydraulic circuit stick lines.<br>with CVC type quick disconnect couplings<br>Quick coupler control stick lines.<br>Automatic Lubrication System stick lines. | 0 | $14,310 |
| L | 490-6084 | STICK, 8’1’’, A-LUBE<br>Includes:<br>Bucket linkage and cylinder.<br>High pressure auxiliary hydraulic circuit stick lines.<br>Medium pressure auxiliary hydraulic circuit stick lines.<br>with CVC type quick disconnect couplings<br>Quick coupler control stick lines.<br>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<br>Note: Smartboom not included<br>ONLY FOR USE WITH: Two piece boom (VA) | | |

**Arrangements without Ride Control**

| | | | | |
|---|---|---|---|---|
| L | 492-5193 | **BLCV, VA & OFFSET** | 0 | $1,110 |
| | | without Ride Control<br>Note: Smartboom not included<br>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<br>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<br>No front attachment<br>Radial blade rear remote greasing (width: 2.55M / 8' 4")<br>Standard Axle width 2.5M / 8' 2" | | |
| L | 471-7742 | **UC BLADE R FRONT/ OUT.REAR** | 0 | $19,570 |
| | | Includes: Welded undercarriage<br>Radial blade front remote greasing (width: 2.55M / 8' 4")<br>Outriggers rear<br>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.<br>ONLY FOR USE WITH: Welded undercarriage<br>CANNOT BE USED WITH: Welded Heavy Duty undercarriage | | |
| L | 455-7170 | **STEPS, UC, INCL. FENDERS** | 0 | $2,705 |
| | | Uppercarriage access steps with integrated toolbox.<br>Includes: One set of four fenders reducing dirt and water spray from tires onto machine.<br>ONLY FOR USE WITH: Welded undercarriage<br>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.<br>Spacer rings are included. | | |
| L | 478-6660 | **TIRES,MITAS EM23 10.00-20 DUAL** | 0 | $2,900 |
| | | MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16.<br>Higher resistance to puncture and tread wear due to higher filling of tread area.<br>Special tread pattern for stony and hard terrain.<br>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<br>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.<br>Auxiliary medium pressure control circuit<br>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.<br>Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick.<br>Includes: Auxiliary medium pressure control circuit<br>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)<br>Laminated glass top window (10MM / 0.4", EN356 P5A).<br>Tempered glass side & rear windows. | | |
| L | 489-2995 | **CAB, 70/30** | 0 | NC |
| | | Openable, 70/30 split, laminated glass windshield<br>(Tempered glass lower window 4MM / 0.16"<br>Laminated glass upper window 7MM / 0.28")<br>Laminated glass top window and<br>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),<br>horizontal suspension, automatic weight adjustment, mechanical<br>lumbar support, passive climate system, seat cushion length<br>and angle adjustment and a seat heater<br>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),<br>horizontal suspension, automatic height & weight adjustment,<br>active climate system (two step heating & body sweat removal),premium<br>microfibre seat fabric, pneumatic lumbar support, seat cushion length<br>and angle adjustment and adjustable dampening.<br>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<br>auxiliary high pressure control circuit in addition to<br>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.<br>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.<br>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<br>Machines from the factory have been sprayed with Fluid Film TM.<br>This product is added for corrosion protection while shipping<br>and for extended storage periods. This product will need to be power<br>washed with soapy water prior to shipment to the customer.<br>Cilix and foam protection on all cylinders are also included<br>in this storage protection procedure.<br>Includes operator protections in cab<br>Required for: Shipping by sea from Grenoble France<br>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.<br>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")<br>ONLY FOR USE WITH: Control 2nd HPF & 2.3M Stick<br>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")<br>ONLY FOR USE WITH: Control 2nd HPF & 2.45M Stick<br>REQUIRED BY: CONTROL 2ND HPF | | |

### *COUPLINGS CIRCUIT*

| | | | | |
|---|---|---|---|---|
| P | 176-6765 | **COUPLING, QUICK DISC MPF DC** | 2 | $335 NI |
| | | Provides a set of two adapters<br>(CVC type coupling to internal thread M22 x 1.5)<br>for stick lines medium pressure, side (bucket tilt)<br>"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<br>Cat Pin Grabber quick coupler.<br>CANNOT BE USED WITH: CW-type quick coupler<br>Cat Tiltrotator Support | | |
| L | 501-6515 | **CAT TILTROTATOR SUPPORT** | 0 | $2,670 |
| | | Activation of advanced Rototilt support<br>Includes modification of 2nd HPF Control to provide only<br>one way flow with minimized return line back pressure.<br>ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK<br>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<br>Acoustical warning signal when moving the machine .<br>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<br>Advanced, programmable system to manage access to machine.<br>Requires special Machine Security System keys.<br>Machine shipped with system inactive but with two of these keys already programmed into system.<br>Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys.<br>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<br>68 | $362<br>$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.<br>"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) | | |

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<br>GRENOBLE, FRANCE | | Ship Weight<br>lbs | LIST PRICE<br>AT DEALER |
|---|---|---|---|
| **0G-0390** | **M318F MISCELLANEOUS MATERIAL**<br>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<br>Machines from the factory have been sprayed with Fluid Film TM.<br>This product is added for corrosion protection while shipping<br>and for extended storage periods. This product will need to be power<br>washed with soapy water prior to shipment to the customer.<br>Cilix AND foam protection on all cylinders are also included<br>in this storage protection procedure.<br>Includes operator protections in cab<br>Required for: Shipping by sea from Grenoble France<br>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<br>Includes:<br>Cab controlled Automatic Lubrication System for<br>front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick coupler control booms lines.<br>One piece boom 5.05M / 16' 7"<br>ONLY FOR USE WITH: LANE 3 ONLY<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 503-4942 | BOOM, VA, A-LUBE | 0 | $39,470 |
| | | Arrangements for standard Stick<br>Includes:<br>Cab controlled Automatic Lubrication System for<br>front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick coupler control booms lines.<br>Two piece boom 5.2M / 17' 1"<br>CANNOT BE USED WITH: Drop nose stick | | |

### *STICK ARRANGEMENTS*

| | | | | |
|---|---|---|---|---|
| L | 503-2176 | STICK, 7'10'', A-LUBE | 0 | $14,450 |
| | | Includes:<br>Bucket linkage and cylinder.<br>High pressure auxiliary hydraulic circuit stick lines.<br>Medium pressure auxiliary hydraulic circuit stick lines.<br>with CVC type quick disconnect couplings<br>Quick coupler control stick lines.<br>Automatic Lubrication System stick lines.<br>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<br>Includes: Smartboom<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 423-0682 | **RC, VA INCL. SMARTBOOM** | 0 | $8,230 |
| | | Arrangement including Ride Control & BLCV<br>Includes: Smartboom<br>ONLY FOR USE WITH: Two piece boom (VA)<br>CANNOT BE USED WITH: Drop nose stick | | |

**Arrangements without Ride Control**

| | | | | |
|---|---|---|---|---|
| L | 431-4766 | **BLCV, 1PC** | 0 | NC |
| | | Arrangements without Ride Control<br>Note: Smartboom not included<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY | | |
| L | 423-0667 | **BLCV, VA & OFFSET** | 0 | $1,110 |
| | | Note: Smartboom not included<br>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<br>CANNOT BE USED WITH: Cooling Package Fine Mesh | | |
| L | 425-0170 | **SPEED 21.7 MPH** | 0 | NC |
| | | Travel speed 35kph / 21,7mph<br>CANNOT BE USED WITH: Cooling Package Fine Mesh<br>Solid Rubber Tires | | |
| L | 440-3561 | **SPEED 12.4 MPH, FINE MESH** | 0 | NC |
| | | Travel speed 20kph / 12.4mph<br>ONLY FOR USE WITH: Cooling Package Fine Mesh | | |
| L | 440-3562 | **SPEED 21.7 MPH, FINE MESH** | 0 | NC |
| | | Travel speed 35kph / 21,7mph<br>ONLY FOR USE WITH: Cooling Package Fine Mesh<br>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<br>Outriggers rear<br>Parallel blade front remote greasing (width: 2.55M / 8' 4")<br>Standard Axle width 2.5M / 8' 2" | | |
| L | 503-4255 | **UC BLADE FRONT / OUT. REAR, TR** | 0 | $28,170 |
| | | Includes: Welded undercarriage<br>Trailer Preparation(Bracket for trailer hook at outrigger,electrical & hydraulic ports at undrecarriage)<br>Outriggers rear<br>Parallel blade front remote greasing (width: 2.55M / 8' 4")<br>Standard Axle width 2.5M / 8' 2" | | |
| L | 423-0707 | **UC OUT.FRONT / BLADE REAR** | 0 | $21,960 |
| | | Includes: Welded undercarriage<br>Outriggers front<br>Parallel blade rear remote greasing (width: 2.55M / 8' 4")<br>Standard Axle width 2.5M / 8' 2" | | |
| L | 423-0708 | **UC OUT. FRONT & REAR.** | 0 | $26,030 |
| | | Includes: Welded undercarriage<br>Outriggers front<br>Outriggers rear<br>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.<br>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.<br>Spacer rings are included. | | |
| L | 478-6660 | **TIRES,MITAS EM23 10.00-20 DUAL** | 0 | $2,900 |
| | | MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16.<br>Higher resistance to puncture and tread wear due to higher filling of tread area.<br>Special tread pattern for stony and hard terrain.<br>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<br>Tires for industrial applications.<br>Requires: 20kph / 12.4mph travel speed<br>Spacer rings are included. | | |
| L | 474-7236 | **TIRES,BRIDGEST.11.00-20 DUAL.** | 0 | $6,180 |
| | | BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY)<br>The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud.<br>Spacer rings are included.<br>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<br>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.<br>ONLY FOR USE WITH: One piece boom (1PC)<br>Two piece boom (VA) | | |
| L | 431-9304 | **CONTROL, JOYSTICK STEERING** | 0 | $3,395 |
| | | Provides medium pressure circuit for tool rotation/tilt.<br>Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick.<br>Includes: Auxiliary medium pressure control circuit<br>ONLY FOR USE WITH: One piece boom (1PC)<br>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)<br>Laminated glass top window (10MM / 0.4", EN356 P5A).<br>Tempered glass side & rear windows. | | |
| L | 489-2995 | **CAB, 70/30** | 0 | NC |
| | | Openable, 70/30 split, laminated glass windshield<br>(Tempered glass lower window 4MM / 0.16"<br>Laminated glass upper window 7MM / 0.28")<br>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<br>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<br>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<br>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<br>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.<br>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.<br>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.<br>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.<br>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<br>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.<br>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.<br>Heated Mirrors adjustable from Cab<br>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.<br>Heated Mirrors adjustable from Cab<br>ONLY FOR USE WITH: LANE 3 ONLY<br>One piece booms | | |
| L | 491-1065 | **MIRROR, VA/MH** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>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.<br>ONLY FOR USE WITH: LANE 3 ONLY<br>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,<br>when working with the machine in dusty environments.<br>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<br>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<br>Machines from the factory have been sprayed with Fluid Film TM.<br>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.<br>Cilix and foam protection on all cylinders are also included in this storage protection procedure.<br>Includes operator protections in cab<br>Required for: Shipping by sea from Grenoble France<br>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"<br>Provides a set of two adapters<br>(CVC type coupling to internal thread M22 x 1.5)<br>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<br>Cat Pin Grabber quick coupler.<br>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<br>Includes modification of 2nd HPF Control to provide only<br>one way flow with minimized return line back pressure.<br>ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK<br>CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER | | |

## ELECTRICAL

### *ALARM*

| | | | | |
|---|---|---|---|---|
| L | 505-5366 | **ALARM, BACK-UP** | 0 | $735 |
| | | REQUIRED BY: USA & Canada dealers<br>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.<br>Requires special Machine Security System keys.<br>Machine shipped with system inactive but with two of these keys already programmed into system.<br>Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys.<br>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<br>68 | $362<br>$362 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>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.<br>" 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.<br>" 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**<br>Includes CILIX and foam protection on all cylinders<br>Machines from the factory have been sprayed with Fluid Film TM.<br>This product is added for corrosion protection while shipping<br>and for extended storage periods. This product will need to be power<br>washed with soapy water prior to shipment to the customer.<br>Cilix AND foam protection on all cylinders are also included<br>in this storage protection procedure.<br>Includes operator protections in cab<br>Required for: Shipping by sea from Grenoble France<br>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:<br>Cab controlled Automatic Lubrication System for front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick Coupler control boom lines.<br>One piece boom 5.35M / 17' 7"<br>ONLY FOR USE WITH: LANE 3 ONLY<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 503-4943 | BOOM, VA, A-LUBE | 0 | $41,620 |
| | | Includes:<br>Cab controlled Automatic Lubrication System for front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick Coupler control boom lines.<br>Two piece boom 5.26M / 17' 3"<br>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<br>ONLY FOR USE WITH: Boom Arrangement for standard sticks | | |
| L | 503-2179 | STICK, 9'2", A-LUBE | 0 | $15,290 |
| | | Standard Stick<br>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<br>Note: Smartboom not included<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 423-0671 | **RIDE CONTROL, VA** | 0 | $5,430 |
| | | Arrangement including Ride Control & BLCV<br>Note: Smartboom not included<br>ONLY FOR USE WITH: Two piece boom (VA)<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 423-0686 | **RC, 1PC INCL. SMARTBOOM** | 0 | $7,120 |
| | | Arrangement including Ride Control & BLCV<br>Includes: Smartboom<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 423-0683 | **RC, VA INCL. SMARTBOOM** | 0 | $8,250 |
| | | Arrangement including Ride Control & BLCV<br>Includes: Smartboom<br>ONLY FOR USE WITH: Two piece boom (VA)<br>CANNOT BE USED WITH: Drop nose stick | | |
| L | 435-7592 | **BLCV, 1PC** | 0 | NC |
| | | Arrangement without Ride Control<br>Note: Smartboom not included<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY | | |
| L | 423-0668 | **BLCV, VA** | 0 | $1,135 |
| | | Arrangement without Ride Control<br>Note: Smartboom not included<br>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<br>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.<br>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.<br>Spacer rings are included. | | |
| L | 478-6660 | **TIRES,MITAS EM23 10.00-20 DUAL** | 0 | $2,900 |
| | | MITAS EM23, BIAS (DIAGONAL/CROSS PLY), PR16.<br>Higher resistance to puncture and tread wear due to higher filling of tread area.<br>Special tread pattern for stony and hard terrain.<br>Spacer rings are included. | | |
| L | 474-7226 | **TIRES,SOLID RUB.10.00-20 DUAL** | 0 | $16,160 |
| | | SOLID RUBBER<br>Tires for industrial applications.<br>Spacer rings are included.<br>REQUIRES: 20kph / 12.4mph travel speed | | |
| L | 474-7236 | **TIRES,BRIDGEST.11.00-20 DUAL.** | 0 | $6,180 |
| | | BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY)<br>The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud.<br>Spacer rings are included.<br>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<br>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.<br>Heated Mirrors adjustable from Cab<br>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.<br>Heated Mirrors adjustable from Cab<br>ONLY FOR USE WITH: One piece booms<br>LANE 3 ONLY | | |
| L | 491-1065 | **MIRROR, VA/MH** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>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.<br>ONLY FOR USE WITH: LANE 3 ONLY<br>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,<br>when working with the machine in dusty environments.<br>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<br>Not allowed for roading in certain territories<br>as axle load exceeds 12 tons.<br>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.<br>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<br>Includes modification of 2nd HPF Control to provide only one way flow with minimized return line back pressure.<br>ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK<br>CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER | | |

## ELECTRICAL

### *ALARM*

| | | | | |
|---|---|---|---|---|
| L | 505-5366 | **ALARM, BACK-UP** | 0 | $735 |
| | | REQUIRED BY: USA & Canada dealers<br>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.<br>Requires special Machine Security System keys.<br>Machine shipped with system inactive but with two of these keys already programmed into system.<br>Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys.<br>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<br>95 | $356<br>$356 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>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<br>Includes CILIX and foam protection on all cylinders<br>Machines from the factory have been sprayed with Fluid Film TM.<br>This product is added for corrosion protection while shipping<br>and for extended storage periods. This product will need to be power<br>washed with soapy water prior to shipment to the customer.<br>Cilix and foam protection on all cylinders are also included<br>in this storage protection procedure.<br>Includes operator protections in cab<br>Required for: Shipping by sea from Grenoble France<br>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<br>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<br>Arrangements for standard sticks<br>Includes:<br>Cab controlled Automatic Lubrication System for front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick Coupler control boom lines.<br>One piece boom 5.65M / 18' 6"<br>ONLY FOR USE WITH: LANE 3 ONLY | 0 | $43,720 |
| L | 503-4944 | BOOM, VA, A-LUBE<br>Arrangements for standard sticks<br>Includes:<br>Cab controlled Automatic Lubrication System for front linkage and swing bearing.<br>High pressure 2-way tool control circuit boom lines.<br>Medium pressure auxiliary hydraulic circuit boom lines.<br>CW & Pin Grabber Quick Coupler control boom lines.<br>Two piece boom 5.49M / 18' | 0 | $48,370 |

### *STICK ARRANGEMENTS*

| | | | | |
|---|---|---|---|---|
| L | 503-2185 | STICK, 8'2'', A-LUBE<br>Standard sticks including Bucket Linkage<br>Includes:<br>Bucket linkage and cylinder.<br>High pressure auxiliary hydraulic circuit stick lines.<br>Medium pressure auxiliary hydraulic circuit stick lines.<br>With CVC type quick disconnect couplings.<br>Quick coupler control stick lines.<br>Automatic Lubrication System stick lines. | 0 | $15,850 |
| L | 503-2178 | STICK, 9'6'', A-LUBE<br>Standard sticks including Bucket Linkage<br>Includes:<br>Bucket linkage and cylinder.<br>High pressure auxiliary hydraulic circuit stick lines.<br>Medium pressure auxiliary hydraulic circuit stick lines.<br>With CVC type quick disconnect couplings.<br>Quick coupler control stick lines.<br>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<br>Includes: Smartboom<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY | | |
| L | 423-0684 | **RC, VA INCL. SMARTBOOM** | 0 | $8,250 |
| | | Arrangement including Ride Control & BLCV<br>Includes: Smartboom<br>ONLY FOR USE WITH: Two piece boom (VA) | | |
| L | 471-1544 | **BLCV, 1PC** | 0 | NC |
| | | Arrangement without Ride Control<br>Note: Smartboom not included<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY | | |
| L | 423-0669 | **BLCV, VA** | 0 | $1,145 |
| | | Arrangement without Ride Control<br>Note: Smartboom not included<br>ONLY FOR USE WITH: Two piece boom (VA) | | |
| L | 423-0678 | **BLCV, 1PC INCL. SMARTBOOM** | 0 | $2,825 |
| | | Arrangement without Ride Control<br>Includes: Smartboom<br>ONLY FOR USE WITH: One piece boom (1PC)<br>LANE 3 ONLY | | |
| L | 423-0681 | **BLCV, VA INCL. SMARTBOOM** | 0 | $3,960 |
| | | Arrangement without Ride Control<br>Includes: Smartboom<br>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<br>CANNOT BE USED WITH: Cooling Package Fine Mesh | | |
| L | 440-3569 | **SPEED 18.6 MPH** | 0 | NC |
| | | Travel speed 30kph / 18.6mph<br>CANNOT BE USED WITH: Cooling Package Fine Mesh<br>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<br>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.<br>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.<br>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.<br>Heated Mirrors adjustable from Cab<br>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.<br>Heated Mirrors adjustable from Cab<br>ONLY FOR USE WITH: One piece booms<br>LANE 3 ONLY | | |
| L | 491-1065 | **MIRROR, VA/MH** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>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.<br>ONLY FOR USE WITH: LANE 3 ONLY<br>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,<br>when working with the machine in dusty environments.<br>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<br>Not allowed for roading in certain territories<br>as axle load exceeds 12 tons.<br>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.<br>ONLY FOR USE WITH: One piece boom & 2 slider joystick<br>LANE 3 ONLY | | |
| L | 509-9882 | **CONTROL, 2ND HPF, VA** | 0 | $5,810 |
| | | Second high pressure control valve.<br>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".<br>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".<br>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.<br>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<br>Includes modification of 2nd HPF Control to provide only<br>one way flow with minimized return line back pressure.<br>ONLY FOR USE WITH: CONTROL, 2ND HPF and 2-SLIDER JOYSTICK<br>CANNOT BE USED WITH: SETTING, QC CTRL, PIN GRABBER | | |

## ELECTRICAL

### *ALARM*

| | | | | |
|---|---|---|---|---|
| L | 505-5366 | **ALARM, BACK-UP** | 0 | $735 |
| | | REQUIRED BY: USA & Canada dealers<br>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.<br>Requires special Machine Security System keys.<br>Machine shipped with system inactive but with two of these keys<br>already programmed into system.<br>Requires Caterpillar Service Tool Electronic Technician (ET) to<br>activate and to program system for additional keys.<br>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<br>Provides cab guards front and top for field installation.<br>"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" | 0 | $4,885 NI |
| L | 487-0165 | KIT, COOLING, WASTE HANDLING<br>Provides reversible fan and radiator screen vibration functionality to prevent radiator clogging in dusty environments. Includes engine air precleaner.<br>"ALSO AVAILABLE ON A MISCELLANEOUS ORDER" | 0 | $9,060 NI |

## PACKING

### *EXPORT PACKING*

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

MH3022 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 compliant
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
Engine air pre-cleaner

## 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

## 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
Hydraulic cab riser
RHS and rear view camera (incl.lights) displayed on additional cab monitor.

## OTHER STANDARD EQUIPMENT

Automatic Lubrication System for front linkage & swing bearing.
BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake
SOS quick sampling valves for engine

MH3022 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.**

**574-3483** **MH3022 06C WHL HEX AM N DCA3** . . . . . 0 **$399,510**
LANE 1 - AVAILABLE FROM BALTIMORE PDC

Waste Handler:
8' 4" MH Undercarriage with pushblade & solid tires,
21' Straight boom, 13'8" Straight stick,
high & medium pressure lines.

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:
501-3128 MH3022 06C WHL HEX AM N DCA3
503-4970 21'MH, 13'8" STK, BKT LNKG
531-3568 UC MH W/ BLADE
506-6555 COOLING SYSTEM, WASTE HANDLING
509-7093 NO GENERATOR
123-4801 PIN, BUCKET, ADJ
176-6765 COUPLING, QUICK DISC MPF DC
237-0065 ALARM, BACK-UP HCR
261-3608 NO PEDAL
374-5098 WIPER, 70/30
393-1386 SEAT COMFORT W/3" SEAT BELT
422-9762 BEACON, ROTATING, REMOVABLE
433-5666 COUNTERWEIGHT, 9258 LBS
440-3574 SPEED 12.4 MPH
442-0428 HYDRAULIC OIL, MINERAL
443-7837 CONTROL, MH, STRAIGHT STK
452-9679 BLCV, MH
453-5090 NO PUMP, REFUELING
457-9531 FILM, WASTE HANDLER
459-6004 PRODUCT LINK, CELLULAR PL641
474-7226 TIRES,SOLID RUB.10.00-20 DUAL
488-1890 JOYSTICK, 2-SLIDER
490-6951 DECALS, NORTH AMERICA (ANSI)MH
491-1065 MIRROR, VA/MH
491-7074 CAB, 70/30, HR
491-8396 LIGHTS, LED
494-0903 SETTING, QC CTRL, PIN GRABBER
501-8567 CONTROL, JS, MH
542-6310 STEPS, UC, REAR
NOTE: Please refer to the Lane 1 section to complete your order.

**501-3128** **MH3022 06C WHEEL MTL HANDLER** . . . . . 0 **$286,850**
LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

## MH3022 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

| | | Ship Weight lbs | LIST PRICE AT DEALER |
|---|---|---|---|
| **0G-0392** | **MH3022 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 MH3022 ADSD-N DCA3*

| | | | | |
|---|---|---|---|---|
| | 0P-9001 | LANE 1 ORDER | 0 | NC |
| | 0G-9240 | COMPLETE STORAGE PROTECTION | 0 | $377 NET |

## LANE SELECTION

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

## BOOMS, STICKS, AND LINKAGES

### *FRONT LINKAGE ARRANGEMENTS*

| | | | | |
|---|---|---|---|---|
| L | 503-3875 | 1PC, 8′ 2" STK, BKT LKG<br>Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>One piece boom 5.35M / 17’ 7”<br>Stick 2.5M / 8’ 2”<br>Bucket linkage including diverter valves | 0 | $55,140 |
| L | 503-3877 | 1PC, 9′2" STK, BKT LKG<br>Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>One piece boom 5.35M / 17’ 7”<br>Stick 2.8M / 9’ 2”<br>Bucket linkage including diverter valves | 0 | $55,520 |
| L | 503-3879 | 1PC, 10′10" STK, IND<br>Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines,<br>operated by bucket circuit for tool open/close function and<br>Medium pressure auxiliary hydraulic circuit boom & stick lines<br>for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>One piece boom 5.35M / 17’ 7"<br>Drop Nose Stick 3.3M/10’ 10" | 0 | $39,720 |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *FRONT LINKAGE ARRANGEMENTS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 503-4101 | **VA, 8' 2" STK, BKT LKG** | 0 | $60,330 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Two piece boom 5.26M / 17' 3"<br>Stick 2.5M / 8' 2"<br>Bucket linkage including diverter valves | | |
| L | 503-4103 | **VA, 9' 2" STK, BKT LKG** | 0 | $60,730 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Two piece boom 5.26M / 17' 3"<br>Stick 2.8M / 9' 2"<br>Bucket linkage including diverter valves | | |
| L | 503-4105 | **VA, 10'10" STK, IND** | 0 | $45,320 |
| | | Two piece boom 5.26M / 17' 3"<br>Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>Two piece booms 5.26M/ 17' 3"<br>One grapple pin.<br>Drop Nose Stick 3.3M/10' 10" | | |
| L | 503-4968 | **17'55"MH, 13'8" STK, BKT LNKG** | 0 | $68,070 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Material handling boom 5.35M / 17' 7"<br>MH Straight Stick 4.2M / 13' 9''<br>Bucket linkage without diverter valves | | |
| L | 531-4043 | **17'55"MH, 14'8" STK, IND** | 0 | $44,710 |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>Meterial handling boom 5.35M / 17' 7"<br>MH Drop Nose Stick 4.5M/14' 8" | | |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *FRONT LINKAGE ARRANGEMENTS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 503-4969 | **17′55"MH, 16′1" STK, IND** | 0 | **$45,700** |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>Material handling boom 5.35M / 17’ 7”<br>MH Drop Nose Stick 4.9M / 16’ 1”<br>Stick MUST BE DETACHED FOR SHIPPING<br>Please order Packing 0G-3154 | | |
| L | 503-4970 | **21′MH, 13′8" STK, BKT LNKG** | 0 | **$69,600** |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Material handling boom 6.4M / 21’<br>MH Straight Stick 4.2M / 13’ 9”<br>Bucket linkage without diverter valves | | |
| L | 531-4044 | **21′ MH, 14′8"STK, IND** | 0 | **$46,250** |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>Material handling boom 6.4M / 21’<br>MH Drop Nose Stick 4.5M / 14’ 8” | | |
| L | 503-4972 | **21′ MH, 16′1"STK, IND** | 0 | **$47,230** |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>Material handling boom 6.4M / 21’<br>MH Drop Nose Stick 4.9M / 16’ 1” | | |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *SMARTBOOM & BLCV.*

| | | | | |
|---|---|---|---|---|
| L | 435-7592 | **BLCV, 1PC** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: One piece boom (1PC) | | |
| L | 460-8163 | **BLCV, VA** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: Two piece boom (VA) | | |
| L | 452-9679 | **BLCV, MH** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: Material handling boom (MH) | | |
| L | 460-8166 | **BLCV, 1PC INCL. SMARTBOOM** | 0 | $2,910 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: One piece boom (1PC) | | |
| L | 460-8171 | **BLCV, VA INCL. SMARTBOOM** | 0 | $4,805 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: Two piece boom (VA) | | |
| L | 442-5072 | **BLCV, MH INCL. SMARTBOOM** | 0 | $2,910 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: Material handling boom (MH) | | |

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

## POWERTRAIN

### *TRAVEL SPEED*

Includes:
48 degrees C / 118.8 degrees F cooling capability

| | | | | |
|---|---|---|---|---|
| L | 440-3574 | **SPEED 12.4 MPH** | 0 | NC |
| | | Travel speed 20kph / 12.4mph | | |

## UNDERCARRIAGE

### *UNDERCARRIAGE ARRANGEMENTS*

NOTE: Undercarriage arrangements 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 | 442-1598 | **UC MH** | 0 | NC |
| | | Width: 2.55M / 8' 4" | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front | | |
| | | Outriggers rear | | |
| L | 531-3568 | **UC MH W/ BLADE** | 0 | $8,820 |
| | | Width: 2.55M / 8' 4" | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front including pushblade | | |
| | | Outriggers rear | | |

### *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 | 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. | | |

## HYDRAULICS

### *MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS*

| | | | | |
|---|---|---|---|---|
| L | 456-9507 | **CONTROL, MPF, 1PC & VA** | 0 | $1,310 |
| | | Provides auxiliary medium pressure circuit for tool rotation/tilt. | | |
| | | FOR USE WITH: Two piece boom (VA) | | |
| | | One piece boom (1PC) | | |
| L | 510-6668 | **CONTROL, MPF MH** | 0 | $1,310 |
| | | Provides auxiliary medium pressure circuit for tool rotation/tilt. | | |
| | | FOR USE WITH: Material handling boom (MH) | | |

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

## HYDRAULICS (CONT.)

### *MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 501-8568 | **CONTROL, JS, 1PC & VA** | 0 | $4,180 |
| | | Provides auxiliary 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. FOR USE WITH: Two piece boom (VA) One piece boom (1PC) | | |
| L | 501-8567 | **CONTROL, JS, MH** | 0 | $4,180 |
| | | Provides auxiliary 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. FOR USE WITH: Material handling boom (MH) | | |

## ELECTRICAL

### *REFUELING PUMP*

| | | | | |
|---|---|---|---|---|
| L | 453-5090 | **NO PUMP, REFUELING** | 0 | NC |
| | | Required if PUMP, ELECTRIC REFUELING is Not selected. | | |
| L | 433-7326 | **PUMP, ELECTRIC REFUELING** | 0 | $1,305 |
| | | Provides a built-in electric pump to transfer fuel from a ground level fuel container into the machine fuel tank. | | |

## OPERATOR ENVIRONMENT

### *CAB WINDSHIELD*

| | | | | |
|---|---|---|---|---|
| L | 491-7072 | **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). Laminated glass top window and tempered glass side & rear windows. | | |
| L | 491-7073 | **CAB, 70/30** | 0 | NC |
| | | Openable, 70/30 split, glass windshield (lower 30% part:tempered glass 4MM / 0.16", upper 70% part: laminated glass 7MM / 28") Laminated glass top window and tempered glass side & rear windows | | |
| L | 491-7074 | **CAB, 70/30, HR** | 0 | $3,245 |
| | | Fixed,laminated high resistance glass windshield (26MM / 1", EN356 P8B) Laminated high resistance glass top window (26MM / 1", EN356 P8B). Tempered glass side & rear windows. CANNOT BE USED WITH: Cab guard | | |
| L | 507-2282 | **CAB, 1-PC, WASTE HANDLING** | 0 | $15,060 |
| | | includes: Cab Air Pre-Filtration System Fixed, one piece laminated glass windshield (10MM / 0.4") Laminated glass top window and tempered glass side & rear windows. | | |
| L | 482-9472 | **CAB, 70/30, HR, WASTE HANDLING** | 0 | $18,300 |
| | | includes: Cab Air Pre-Filtration System Fixed,laminated high resistance glass windshield (26MM / 1", EN356 P8B) Laminated high resistance glass top window (26MM / 1", EN356 P8B). Tempered glass side & rear windows. CANNOT BE USED WITH: Cab guard | | |

| USE | REF NO. | LANE 1 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 |
| | | 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<br>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<br>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.<br>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.<br>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.<br>CANNOT BE USED WITH: Drop nose stick | | |

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

## OPERATOR ENVIRONMENT (CONT.)

### *CONTROL DEVICE*

| | | | | |
|---|---|---|---|---|
| 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<br>Includes one high pressure auxiliary circuit control valve.<br>ONLY FOR USE WITH: One piece (1PC) boom & Standard stick<br>Two piece (VA) boom & Standard stick | | |
| L | 434-5724 | **CONTROL, 1PC & VA IND STK** | 0 | NC |
| | | Implement Control Valve<br>FOR USE WITH: Two piece boom (VA)& Drop nose Stick<br>One piece boom (1PC)& Drop nose Stick | | |
| L | 443-7837 | **CONTROL, MH, STRAIGHT STK** | 0 | NC |
| | | Implement Control Valve optimized for sorting grapple operation.<br>Includes one high pressure auxiliary circuit control valve.<br>FOR USE WITH: Material handling booms (MH) and MH Straight Stick | | |
| L | 441-5449 | **CONTROL, MH, IND STK** | 0 | NC |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>FOR USE WITH: Material handling booms (MH) and Drop Nose Stick<br>CANNOT BE USED WITH: Generator | | |
| L | 441-5424 | **CONTROL, MH, IND STK W GENSET** | 0 | NC |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>ONLY FOR USE WITH: Generator & Material handling booms (MH)& Drop Nose Stick | | |
| L | 538-2113 | **CONTROL, MH, IND STK W AUX VLV** | 0 | $4,575 |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>Includes one high pressure auxiliary circuit control valve.<br>ONLY FOR USE WITH: Material handling booms (MH) and Drop Nose Stick<br>CANNOT BE USED WITH: Generator | | |

## 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. | | |

| USE | REF NO. | LANE 1 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*

| | | | | |
|---|---|---|---|---|
| L | 491-8396 | **LIGHTS, LED** | 0 | NC |
| | | Provides LED type cab working lights<br>Includes cab rain visor. Without Cab Guard | | |
| L | 491-8397 | **FOGS, LED** | 0 | $4,740 |
| | | Provides LED type cab working lights<br>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.<br>FOR USE WITH:VA & MH Booms<br>Heated Mirrors adjustable from Cab | | |
| L | 489-4673 | **MIRROR, ELECTRIC, 1PC.** | 0 | $990 |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>Heated Mirrors adjustable from Cab<br>FOR USE WITH: One piece booms | | |
| L | 491-1065 | **MIRROR, VA/MH** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH:VA & MH Booms | | |
| L | 491-1066 | **MIRROR, 1PC.** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH: One piece boom | | |

## COOLING

### *COOLING PACKAGE*

| | | | | |
|---|---|---|---|---|
| L | 506-6557 | **COOLING SYSTEM, FINE MESH** | 0 | NC |
| | | CANNOT BE USED WITH: Generator | | |
| L | 506-6556 | **COOLING SYSTEM,FM W/ GENERATOR** | 0 | NC |
| | | ONLY FOR USE WITH: Generator | | |
| L | 506-6555 | **COOLING SYSTEM, WASTE HANDLING** | 0 | $4,725 |
| | | Includes reversible fan functionality and a vibrating radiator screen to prevent clogging of the radiator in dusty environments.<br>CANNOT BE USED WITH: Generator | | |
| L | 506-6553 | **COOLING SYSTEM,WH W/ GENERATOR** | 0 | $4,725 |
| | | Includes reversible fan functionality and a vibrating radiator screen to prevent clogging of the radiator in dusty environments.<br>ONLY FOR USE WITH: Generator | | |

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

## OTHER ATTACHMENTS

### *GENERATOR*

| | | | | |
|---|---|---|---|---|
| L | 509-7093 | **NO GENERATOR** | 0 | NC |
| | | Required if GENERATOR, 15 KW is not selected. | | |
| L | 503-5935 | **GENERATOR, 15 KW** | 0 | $34,560 |
| | | 15 KW Generator set with hydraulic priority valve and electronic controls. Includes in-cab drop time adjuster. | | |

## 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<br>Recommended for use with: MH Booms | | |

## FLUIDS

### *LUBRICATIONS*

| | | | | |
|---|---|---|---|---|
| L | 442-0428 | **HYDRAULIC OIL, MINERAL** | 0 | NC |
| | | Filling with Cat HYDO Advanced 10 oil | | |
| L | 442-0429 | **HYDRAULIC OIL, BIODEGRADABLE** | 0 | $7,430 |
| | | Filling with Cat Bio HYDO oil | | |

## INSTRUCTIONS

### *INTERNATIONAL INSTRUCTIONS*

| | | | | |
|---|---|---|---|---|
| L | 473-2982 | **DECALS, NORTH AMERICA (ANSI)** | 0 | NC |
| | | ONLY FOR USE WITH: One piece (1PC) or two piece (VA) booms | | |
| L | 490-6951 | **DECALS, NORTH AMERICA (ANSI)MH** | 0 | NC |
| | | ONLY FOR USE WITH: Material handling booms (MH) | | |

## PACKING

### *EXPORT PACKING*

| | | | | |
|---|---|---|---|---|
| | 0G-9240 | **COMPLETE STORAGE PROTECTION** | 0 | $377 NET |
| | | Includes CILIX and foam protection on all cylinders<br>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.<br>Cilix AND foam protection on all cylinders are also included in this storage protection procedure.<br>Includes operator protections in cab<br>Required for: Shipping by sea from Grenoble France<br>Recommended for: all type of long distance shipment | | |

| USE | REF NO. | OPTIONAL ATTACHMENTS | Ship Weight lbs | LIST PRICE AT DEALER |
|---|---|---|---|---|
| | | **UNDERCARRIAGE** | | |
| | | ***STEPS*** | | |
| L | 542-6309 | **STEPS, UC, FRONT** | 0 | $1,290 |
| | | | 0 | $1,290 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER" | | |
| | | CANNOT BE USED WITH: push blade | | |
| L | 542-6310 | **STEPS, UC, REAR** | 0 | $1,290 |
| | | | 0 | $1,290 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER" | | |
| L | 462-8865 | **STEPS, UC, SIDE** | 0 | $790 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER" | | |
| | | Provides a ladder to ease access to the cab. | | |
| | | It can be fixed to the undercarriage at the RHS | | |
| | | Installation will increase total machine width by up to 160mm | | |
| | | Will be shipped on a separate palette. | | |
| | | **HYDRAULICS** | | |
| | | ***COUPLINGS MEDIUM PRESSURE 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. | | |
| | | ***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 | | |
| | | **ELECTRICAL** | | |
| | | ***ALARM*** | | |
| L | 237-0065 | **ALARM, BACK-UP HCR** | 0 | $745 |
| | | Acoustical warning signal when moving the machine . | | |
| | | REQUIRED BY: US , Canada, Australia dealers | | |
| | | **SAFETY AND SECURITY** | | |
| | | ***BEACON*** | | |
| L | 422-9762 | **BEACON, ROTATING, REMOVABLE** | 0 | $295 |
| | | Orange beacon light with cable and magnet foot. | | |

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

## SAFETY AND SECURITY (CONT.)

### *MACHINE SECURITY SYSTEM*

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

## BUCKETS

### *BUCKET RETENTION PINS*

| | | | | |
|---|---|---|---|---|
| P | 123-4801 | **PIN, BUCKET, ADJ** | 95<br>95 | $356<br>$356 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>CANNOT BE USED WITH: Drop nose sticks<br>REQUIRES: 0G-3565 if selected Not Installed | | |

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

## DOCUMENTATION

### *FILM WASTE HANDLER*

| | | | | |
|---|---|---|---|---|
| L | 457-9531 | **FILM, WASTE HANDLER** | 0 | NC |
| | | FOR USE WITH: Cooling System, Waste Handling<br>506-6555 COOLING SYSTEM, WASTE HANDLING<br>506-6553 COOLING SYSTEM,WH W/ GENERATOR | | |

## PACKING

### *EXPORT PACKING*

| | | | | |
|---|---|---|---|---|
| | 0G-3561 | **PACKING - SEA/TRUCK BH BUCKET** | 0 | $283 NET |
| | | ONLY FOR USE WITH: Only with Not installed bucket (Ni) | | |
| | 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-3154 | STICK NOT INSTALLED PACKING . . . . . | 0 | $605 NI NET |

Required for not installed / demounted Material Handling stick
REQUIRED BY: 503-4969 5.35M MH, 4.9M STK, IND

MH3024 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 compliant
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
Engine air pre-cleaner

## 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

## 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
Hydraulic cab riser
RHS and rear view camera (incl.lights) displayed on additional cab monitor.

## OTHER STANDARD EQUIPMENT

Automatic Lubrication System for front linkage & swing bearing.
BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake
SOS quick sampling valves for engine

MH3024 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.**

**563-6773** **MH3024-06C WHL HEX AM-N DCA3** . . . . . 0 **$416,240**
LANE 1 - AVAILABLE FROM BALTIMORE PDC

Waste Handler:
9' MH Undercarriage with pushblade & solid tires,
21' Straight boom, 13'8" Straight stick,
high & medium pressure lines.

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:
530-1082 MH3024-06C WHEEL MTL HANDLER
503-4970 21'MH, 13'8" STK, BKT LNKG
531-3570 UC MH W/ BLADE
506-6555 COOLING SYSTEM, WASTE HANDLING
509-7093 NO GENERATOR
123-4801 PIN, BUCKET, ADJ
176-6765 COUPLING, QUICK DISC MPF DC
237-0065 ALARM, BACK-UP HCR
261-3608 NO PEDAL
374-5098 WIPER, 70/30
393-1386 SEAT COMFORT W/3" SEAT BELT
422-9762 BEACON, ROTATING, REMOVABLE
433-5666 COUNTERWEIGHT, 9258 LBS
440-3574 SPEED 12.4 MPH
442-0428 HYDRAULIC OIL, MINERAL
443-7837 CONTROL, MH, STRAIGHT STK
452-9679 BLCV, MH
453-5090 NO PUMP, REFUELING
457-9531 FILM, WASTE HANDLER
459-6004 PRODUCT LINK, CELLULAR PL641
474-7226 TIRES,SOLID RUB.10.00-20 DUAL
488-1890 JOYSTICK, 2-SLIDER
490-6951 DECALS, NORTH AMERICA (ANSI)MH
491-1065 MIRROR, VA/MH
491-7074 CAB, 70/30, HR
491-8396 LIGHTS, LED
494-0903 SETTING, QC CTRL, PIN GRABBER
501-8567 CONTROL, JS, MH
542-6312 STEPS, UC, REAR
NOTE: Please refer to the Lane 1 section to complete your order.

**530-1082** **MH3024 06C WHEEL MTL HANDLER** . . . . . 0 **$303,530**
LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

MH3024 HYDRAULIC WHEEL EXCAVATOR
GRENOBLE, FRANCE

| | | Ship Weight lbs | LIST PRICE AT DEALER |
|---|---|---|---|
| **0G-0703** | **MH3024 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 MH3024 ADSD-N DCA3*

| | | | |
|---|---|---|---|
| **0P-9001** | **LANE 1 ORDER** | 0 | **NC** |
| **0G-9240** | **COMPLETE STORAGE PROTECTION** | 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

### *FRONT LINKAGE ARRANGEMENTS*

| | | | | |
|---|---|---|---|---|
| L | 503-3875 | **1PC, 8' 2" STK, BKT LKG** | 0 | $55,140 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>One piece boom 5.35M / 17' 7"<br>Stick 2.5M / 8' 2"<br>Bucket linkage including diverter valves | | |
| L | 503-3877 | **1PC, 9'2" STK, BKT LKG** | 0 | $55,520 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>One piece boom 5.35M / 17' 7"<br>Stick 2.8M / 9' 2"<br>Bucket linkage including diverter valves | | |
| L | 503-3879 | **1PC, 10'10" STK, IND** | 0 | $39,720 |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines,<br>operated by bucket circuit for tool open/close function and<br>Medium pressure auxiliary hydraulic circuit boom & stick lines<br>for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>One piece boom 5.35M / 17' 7"<br>Drop Nose Stick 3.3M/10' 10" | | |
| L | 503-4101 | **VA, 8' 2" STK, BKT LKG** | 0 | $60,330 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Two piece boom 5.26M / 17' 3"<br>Stick 2.5M / 8' 2"<br>Bucket linkage including diverter valves | | |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *FRONT LINKAGE ARRANGEMENTS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 503-4103 | **VA, 9′ 2" STK, BKT LKG** | 0 | $60,730 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Two piece boom 5.26M / 17’ 3”<br>Stick 2.8M / 9’ 2”<br>Bucket linkage including diverter valves | | |
| L | 503-4105 | **VA, 10′10" STK, IND** | 0 | $45,320 |
| | | Two piece boom 5.26M / 17’ 3”<br>Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>Two piece booms 5.26M/ 17’ 3"<br>One grapple pin.<br>Drop Nose Stick 3.3M/10’ 10" | | |
| L | 503-4970 | **21′MH, 13′8" STK, BKT LNKG** | 0 | $69,600 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Material handling boom 6.4M / 21’<br>MH Straight Stick 4.2M / 13’ 9”<br>Bucket linkage without diverter valves | | |
| L | 503-4972 | **21′ MH, 16′1"STK, IND** | 0 | $47,230 |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines, operated by bucket circuit for tool open/close function and Medium pressure auxiliary hydraulic circuit boom & stick lines for tool rotation.<br>CVC type quick disconnect couplings<br>One grapple pin.<br>Material handling boom 6.4M / 21’<br>MH Drop Nose Stick 4.9M / 16’ 1” | | |

### *SMARTBOOM & BLCV.*

| | | | | |
|---|---|---|---|---|
| L | 435-7592 | **BLCV, 1PC** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: One piece boom (1PC) | | |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *SMARTBOOM & BLCV. (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 460-8163 | **BLCV, VA** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: Two piece boom (VA) | | |
| L | 452-9679 | **BLCV, MH** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: Material handling boom (MH) | | |
| L | 460-8166 | **BLCV, 1PC INCL. SMARTBOOM** | 0 | $2,910 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: One piece boom (1PC) | | |
| L | 460-8171 | **BLCV, VA INCL. SMARTBOOM** | 0 | $4,805 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: Two piece boom (VA) | | |
| L | 442-5072 | **BLCV, MH INCL. SMARTBOOM** | 0 | $2,910 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: Material handling boom (MH) | | |

## POWERTRAIN

### *TRAVEL SPEED*

Includes:
48 degrees C / 118.8 degrees F cooling capability

| | | | | |
|---|---|---|---|---|
| L | 440-3574 | **SPEED 12.4 MPH** | 0 | NC |
| | | Travel speed 20kph / 12.4mph | | |

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

## POWERTRAIN (CONT.)

### *TRAVEL SPEED (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 452-4480 | **SPEED 15.5 MPH** | 0 | NC |
| | | Travel speed 25kph / 15.5mph<br>CANNOT BE USED WITH: Solid Rubber Tires | | |

## UNDERCARRIAGE

### *UNDERCARRIAGE ARRANGEMENTS*

NOTE: Undercarriage arrangements 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 | 442-1600 | **UC MH WIDE** | 0 | $6,490 |
| | | Width: 2.99M / 9' 10"<br>Includes: Welded undercarriage<br>Outriggers front<br>Outriggers rear | | |
| L | 442-1599 | **UC MH WIDE W/ BLADE** | 0 | $15,400 |
| | | Width: 2.99M / 9' 10"<br>Includes: Welded undercarriage<br>Outriggers front including pushblade<br>Outriggers rear | | |
| L | 531-3571 | **UC MH** | 0 | NC |
| | | Width: 2.75M / 9'<br>Includes: Welded undercarriage<br>Outriggers front<br>Outriggers rear | | |
| L | 531-3570 | **UC MH W/ BLADE** | 0 | $8,870 |
| | | Width: 2.75M / 9'<br>Includes: Welded undercarriage<br>Outriggers front including pushblade<br>Outriggers rear | | |
| L | 460-9503 | **UC BLADE FRONT/ OUT.REAR** | 0 | NC |
| | | Width: 2.75M / 9'<br>Includes: Welded undercarriage<br>Parallel blade front remote greasing (width: 2.75M / 9')<br>Outriggers rear | | |
| L | 442-1597 | **UC OUT. FRONT / BLADE REAR** | 0 | NC |
| | | Width: 2.75M / 9'<br>Includes: Welded undercarriage<br>Outriggers front<br>Parallel blade rear remote greasing (width: 2.75M / 9') | | |

### *TIRES*

## DUAL TIRES

| | | | | |
|---|---|---|---|---|
| L | 474-7226 | **TIRES,SOLID RUB.10.00-20 DUAL** | 0 | $16,160 |
| | | SOLID RUBBER<br>Tires for industrial applications.<br>Requires: 20kph / 12.4mph travel speed<br>Spacer rings are included. | | |

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

## UNDERCARRIAGE (CONT.)

### *TIRES (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 474-7228 | **TIRES,BRIDGEST.11.00-20 DUAL.** . . . . . BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY)<br>The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud.<br>Spacer rings are included. | 0 | $5,630 |
| L | 474-7231 | **TIRES, MITAS 11.00-20 DUAL** . . . . . MITAS NB38, BIAS (DIAGONAL/CROSS PLY), PR16.<br>Spacer rings are included. | 0 | $1,995 |

## HYDRAULICS

### *MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS*

| | | | | |
|---|---|---|---|---|
| L | 456-9507 | **CONTROL, MPF, 1PC & VA** . . . . . Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>FOR USE WITH: Two piece boom (VA)<br>One piece boom (1PC) | 0 | $1,310 |
| L | 510-6668 | **CONTROL, MPF MH** . . . . . Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>FOR USE WITH: Material handling boom (MH) | 0 | $1,310 |
| L | 501-8568 | **CONTROL, JS, 1PC & VA** . . . . . Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick.<br>FOR USE WITH: Two piece boom (VA)<br>One piece boom (1PC) | 0 | $4,180 |
| L | 501-8567 | **CONTROL, JS, MH** . . . . . Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick.<br>FOR USE WITH: Material handling boom (MH) | 0 | $4,180 |

## ELECTRICAL

### *REFUELING PUMP*

| | | | | |
|---|---|---|---|---|
| L | 453-5090 | **NO PUMP, REFUELING** . . . . . Required if PUMP, ELECTRIC REFUELING is Not selected. | 0 | NC |
| L | 433-7326 | **PUMP, ELECTRIC REFUELING.** . . . . . Provides a built-in electric pump to transfer fuel from a ground level fuel container into the machine fuel tank. | 0 | $1,305 |

## OPERATOR ENVIRONMENT

### *CAB WINDSHIELD*

| | | | | |
|---|---|---|---|---|
| L | 491-7072 | **CAB, 1-PC** . . . . . Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A)<br>Laminated glass top window (10MM / 0.4", EN356 P5A).<br>Laminated glass top window and tempered glass side & rear windows. | 0 | NC |

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

## OPERATOR ENVIRONMENT (CONT.)

### *CAB WINDSHIELD (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 491-7073 | **CAB, 70/30** | 0 | NC |
| | | Openable, 70/30 split, glass windshield (lower 30% part:tempered glass 4MM / 0.16", upper 70% part: laminated glass 7MM / 28") Laminated glass top window and tempered glass side & rear windows | | |
| L | 491-7074 | **CAB, 70/30, HR** | 0 | $3,245 |
| | | Fixed,laminated high resistance glass windshield (26MM / 1", EN356 P8B) Laminated high resistance glass top window (26MM / 1", EN356 P8B). Tempered glass side & rear windows. CANNOT BE USED WITH: Cab guard | | |
| L | 507-2282 | **CAB, 1-PC, WASTE HANDLING** | 0 | $15,060 |
| | | includes: Cab Air Pre-Filtration System Fixed, one piece laminated glass windshield (10MM / 0.4") Laminated glass top window and tempered glass side & rear windows. | | |
| L | 482-9472 | **CAB, 70/30, HR, WASTE HANDLING** | 0 | $18,300 |
| | | includes: Cab Air Pre-Filtration System Fixed,laminated high resistance glass windshield (26MM / 1", EN356 P8B) Laminated high resistance glass top window (26MM / 1", EN356 P8B). Tempered glass side & rear windows. CANNOT BE USED WITH: Cab guard | | |

### *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 | | |

### *CONTROL DEVICE*

| | | | | |
|---|---|---|---|---|
| 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<br>Includes one high pressure auxiliary circuit control valve.<br>ONLY FOR USE WITH: One piece (1PC) boom & Standard stick<br>Two piece (VA) boom & Standard stick | | |
| L | 434-5724 | **CONTROL, 1PC & VA IND STK** | 0 | NC |
| | | Implement Control Valve<br>FOR USE WITH: Two piece boom (VA)& Drop nose Stick<br>One piece boom (1PC)& Drop nose Stick | | |
| L | 443-7837 | **CONTROL, MH, STRAIGHT STK** | 0 | NC |
| | | Implement Control Valve optimized for sorting grapple operation.<br>Includes one high pressure auxiliary circuit control valve.<br>FOR USE WITH: Material handling booms (MH) and MH Straight Stick | | |
| L | 441-5449 | **CONTROL, MH, IND STK** | 0 | NC |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>FOR USE WITH: Material handling booms (MH) and Drop Nose Stick<br>CANNOT BE USED WITH: Generator | | |

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

## OPERATOR ENVIRONMENT (CONT.)

### *CONTROL MAIN VALVE (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 441-5424 | **CONTROL, MH, IND STK W GENSET** . . . . . Implement Control Valve optimized for orange peel grapple operation.<br>ONLY FOR USE WITH: Generator & Material handling booms (MH)& Drop Nose Stick | 0 | NC |
| L | 538-2113 | **CONTROL, MH, IND STK W AUX VLV** . . . . . Implement Control Valve optimized for orange peel grapple operation.<br>Includes one high pressure auxiliary circuit control valve.<br>ONLY FOR USE WITH: Material handling booms (MH) and Drop Nose Stick<br>CANNOT BE USED WITH: Generator | 0 | $4,575 |

## 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 |
| L | 459-6005 | **PRODUCT LINK, SATELLITE PL631** . . . . . 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. | 0 | $432 |

## SAFETY AND SECURITY

### *LIGHTING / CAB GUARD*

| | | | | |
|---|---|---|---|---|
| L | 491-8396 | **LIGHTS, LED** . . . . . Provides LED type cab working lights<br>Includes cab rain visor. Without Cab Guard | 0 | NC |
| L | 491-8397 | **FOGS, LED** . . . . . Provides LED type cab working lights<br>Includes cab guards front and roof. | 0 | $4,740 |

### *MIRRORS*

| | | | | |
|---|---|---|---|---|
| L | 489-4672 | **MIRROR, ELECTRIC, VA/MH** . . . . . Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH:VA & MH Booms<br>Heated Mirrors adjustable from Cab | 0 | $990 |

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

## SAFETY AND SECURITY (CONT.)

### *MIRRORS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 489-4673 | **MIRROR, ELECTRIC, 1PC.** | 0 | $990 |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>Heated Mirrors adjustable from Cab<br>FOR USE WITH: One piece booms | | |
| L | 491-1065 | **MIRROR, VA/MH** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH:VA & MH Booms | | |
| L | 491-1066 | **MIRROR, 1PC.** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH: One piece boom | | |

## COOLING

### *COOLING PACKAGE*

| | | | | |
|---|---|---|---|---|
| L | 506-6557 | **COOLING SYSTEM, FINE MESH** | 0 | NC |
| | | CANNOT BE USED WITH: Generator | | |
| L | 506-6556 | **COOLING SYSTEM,FM W/ GENERATOR** | 0 | NC |
| | | ONLY FOR USE WITH: Generator | | |
| L | 506-6555 | **COOLING SYSTEM, WASTE HANDLING** | 0 | $4,725 |
| | | Includes reversible fan functionality and a vibrating radiator screen to prevent clogging of the radiator in dusty environments.<br>CANNOT BE USED WITH: Generator | | |
| L | 506-6553 | **COOLING SYSTEM,WH W/ GENERATOR** | 0 | $4,725 |
| | | Includes reversible fan functionality and a vibrating radiator screen to prevent clogging of the radiator in dusty environments.<br>ONLY FOR USE WITH: Generator | | |

## OTHER ATTACHMENTS

### *GENERATOR*

| | | | | |
|---|---|---|---|---|
| L | 509-7093 | **NO GENERATOR** | 0 | NC |
| | | Required if GENERATOR, 15 KW is not selected. | | |
| L | 503-5935 | **GENERATOR, 15 KW** | 0 | $34,560 |
| | | 15 KW Generator set with hydraulic priority valve and electronic controls.<br>Includes in-cab drop time adjuster. | | |

## FRAMES

### *COUNTERWEIGHTS*

| | | | | |
|---|---|---|---|---|
| L | 433-5666 | **COUNTERWEIGHT, 9258 LBS** | 0 | $830 |
| | | Counterweight 4200KG / 9250LBS | | |

## FLUIDS

### *LUBRICATIONS*

| | | | | |
|---|---|---|---|---|
| L | 442-0428 | **HYDRAULIC OIL, MINERAL** | 0 | NC |
| | | Filling with Cat HYDO Advanced 10 oil | | |

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

## FLUIDS (CONT.)

### *LUBRICATIONS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 442-0429 | **HYDRAULIC OIL, BIODEGRADABLE** . . . . . | 0 | $7,430 |
| | | Filling with Cat Bio HYDO oil | | |

## INSTRUCTIONS

### *INTERNATIONAL INSTRUCTIONS*

| | | | | |
|---|---|---|---|---|
| L | 473-2982 | **DECALS, NORTH AMERICA (ANSI)** . . . . . | 0 | NC |
| | | ONLY FOR USE WITH: One piece (1PC) or two piece (VA) booms | | |
| L | 490-6951 | **DECALS, NORTH AMERICA (ANSI)MH** . . . . . | 0 | NC |
| | | ONLY FOR USE WITH: Material handling booms (MH) | | |

## PACKING

### *EXPORT PACKING*

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

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

## UNDERCARRIAGE

### *STEPS UC*

| | | | | |
|---|---|---|---|---|
| L | 462-8865 | **STEPS, UC, SIDE** | 0 | $790 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>Provides a ladder to ease access to the cab.<br>It can be fixed to the undercarriage at the RHS<br>Installation will increase total machine width by up to 160mm<br>Will be shipped on a separate palette.<br>ONLY FOR USE WITH: Undercarriage MH WIDE 442-1600 or 442-1599 or Undercarriage MH 531-3570 or 531-3571 | | |
| L | 542-6311 | **STEPS, UC, FRONT** | 0<br>0 | $1,290<br>$1,290 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>ONLY FOR USE WITH: MH Undercarriage 442-1600, 531-3571<br>CANNOT BE USED WITH: push blade | | |
| L | 542-6312 | **STEPS, UC, REAR** | 0<br>0 | $1,290<br>$1,290 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>ONLY FOR USE WITH: MH Undercarriage 442-1600, 531-3571, MH Undercarriage 442-1599, 531-3570<br>CANNOT BE USED WITH: blade rear | | |

## HYDRAULICS

### *COUPLINGS MEDIUM PRESSURE CIRCUIT*

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

### *QUICK COUPLER CONTROL SETTINGS*

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

## ELECTRICAL

### *ALARM*

| | | | | |
|---|---|---|---|---|
| L | 237-0065 | **ALARM, BACK-UP HCR** | 0 | $745 |
| | | Acoustical warning signal when moving the machine .<br>REQUIRED BY: US , Canada, Australia dealers | | |

## SAFETY AND SECURITY

### *BEACON*

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

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

## SAFETY AND SECURITY (CONT.)

### *MACHINE SECURITY SYSTEM*

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

## BUCKETS

### *BUCKET RETENTION PINS*

| | | | | |
|---|---|---|---|---|
| P | 123-4801 | **PIN, BUCKET, ADJ** | 95<br>95 | $356<br>$356 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>CANNOT BE USED WITH: Drop nose sticks<br>REQUIRES: 0G-3565 if selected Not Installed | | |

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

## DOCUMENTATION

### *FILM WASTE HANDLER*

| | | | | |
|---|---|---|---|---|
| L | 457-9531 | **FILM, WASTE HANDLER** | 0 | NC |
| | | FOR USE WITH: Cooling System, Waste Handling<br>506-6555 COOLING SYSTEM, WASTE HANDLING<br>506-6553 COOLING SYSTEM,WH W/ GENERATOR | | |

## PACKING

### *EXPORT PACKING*

| | | | | |
|---|---|---|---|---|
| | 0G-3561 | **PACKING - SEA/TRUCK BH BUCKET** | 0 | $283 NET |
| | | ONLY FOR USE WITH: Only with Not installed bucket (Ni) | | |
| | 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-3154 | STICK NOT INSTALLED PACKING | 0 | $605 NI NET |

Required for not installed / demounted Material Handling stick
REQUIRED BY: 503-4969 5.35M MH, 4.9M STK, IND

MH3026 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 compliant
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
Engine air pre-cleaner

## 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

## 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
Hydraulic cab riser
RHS and rear view camera (incl.lights) displayed on additional cab monitor.

## OTHER STANDARD EQUIPMENT

Automatic Lubrication System for front linkage & swing bearing.
BLCV including overload warning device
SLCV
VA booms include FLCV
Automatic swing brake
SOS quick sampling valves for engine

MH3026 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.**

**541-9638** **MH3026-06C WHL HEX AM-N DCA1** . . . . . 0 **$442,430**
LANE 1 - AVAILABLE FROM BALTIMORE PDC

Scrap handler:
9'10" undercarriage, solid tires, straight boom,
19'2" drop nose stick, high & medium pressure lines,
15KW generator, grapple pin included

The following attachments MUST be selected from Lane 1
Mandatory section : 0P9001, 0G9240, Ni 0G3154
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:
530-1083 MH3026-06C WHEEL MTL HANDLER
503-4974 6.8M( 22'4") MH,5.9M (19'4") STK,IND
STICK MUST BE DETACHED FOR SHIPPING Please order Packing 0G-3154 Ni
442-1600 UC MH WIDE
506-6560 COOLING SYSTEM,FM W/ GENERATOR
503-5936 GENERATOR, 15 KW
237-0065 ALARM, BACK-UP HCR
261-3608 NO PEDAL
373-6030 SEAT COMFORT W/51MM( W/2") SEAT BELT
374-5097 WIPER, 1-PC
422-9762 BEACON, ROTATING, REMOVABLE
441-4697 SPEED 20 KPH ( 12.4 MPH)
442-0430 HYDRAULIC OIL, MINERAL
443-8002 COUNTERWEIGHT, 5200 KG ( 11465 LBS)
453-5090 NO PUMP, REFUELING
457-5491 CONTROL, MPF MH
459-0455 BLCV, MH
459-6004 PRODUCT LINK, CELLULAR PL641
467-0343 CONTROL, MH, IND STK W GENSET
474-7226 TIRES,SOLID RUB.10.00-20 DUAL
490-6951 DECALS, NORTH AMERICA (ANSI)MH
491-1065 MIRROR, VA/MH
491-7072 CAB, 1-PC
491-8397 FOGS, LED
NOTE: Please refer to the Lane 1 section to complete your order.

**530-1083** **MH3026 06C WHEEL MTL HANDLER** . . . . . 0 **$320,660**
LANE 2 - AVAILABLE FROM GRENOBLE FACTORY
LANE 3 - AVAILABLE FROM GRENOBLE FACTORY
AVAILABLE FOR: AM-N, EU, ISRAEL, ANZ-A

**0G-0704** **MH3026 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 MH3026 ADSD-N DCA1*

| | | | |
|---|---|---|---|
| 0P-9001 | LANE 1 ORDER | 0 | NC |
| 0G-9240 | COMPLETE STORAGE PROTECTION | 0 | $377 NET |
| 0G-3154 | STICK NOT INSTALLED PACKING | 0 | $605 NI NET |

Required for not installed / demounted Material Handling stick
5.9M / 19' 4"
REQUIRED BY: MH3026-06c WHL HEX AMN DCA1

| 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

### *FRONT LINKAGE ARRANGEMENTS*

| | | | | |
|---|---|---|---|---|
| L | 503-3876 | 1PC, 8′ 2" STK, BKT LKG | 0 | $61,830 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>with CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>One piece boom 5.65M / 18’ 6”<br>Stick 2.5M / 8’ 2”<br>Bucket linkage including diverter valves | | |
| L | 503-3878 | 1PC, 9′ 6" STK, BKT LKG | 0 | $62,340 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>with CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>One piece boom 5.65M / 18’ 6”<br>Stick 2.9M / 9’ 6”<br>Bucket linkage including diverter valves | | |
| L | 503-4102 | VA, 8′ 2" STK, BKT LKG | 0 | $68,500 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>with CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Two piece boom 5.44M / 17’ 10”<br>Stick 2.5M / 8’ 2”<br>Bucket linkage including diverter valves | | |
| L | 503-4104 | VA, 9′ 6" STK, BKT LKG | 0 | $69,000 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>with CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Two piece boom 5.44M / 17’ 10”<br>Stick 2.9M / 9’ 6”<br>Bucket linkage including diverter valves | | |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *FRONT LINKAGE ARRANGEMENTS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 503-4971 | **22'4"MH, 15'9" STK, BKT LNKG** | 0 | $77,580 |
| | | Arrangements including Bucket Linkage<br>Includes:<br>High pressure 2-way tool control circuit boom & stick lines.<br>Medium pressure auxiliary hydraulic circuit boom & stick lines.<br>with CVC type quick disconnect couplings<br>CW & Pin Grabber Quick Coupler control boom & stick lines.<br>Material handling boom 6.8M / 22' 4"<br>MH Straight Stick 4.8M / 15' 9"<br>Bucket linkage without diverter valves | | |
| L | 503-4973 | **22'4" MH,16'1" STK,IND** | 0 | $53,090 |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines,<br>operated by bucket circuit for tool open/close function and<br>Medium pressure auxiliary hydraulic circuit boom & stick lines<br>for tool rotation.<br>CVC type quick couplings<br>One grapple pin.<br>Material handling boom 6.8M / 22' 4"<br>MH Drop Nose Stick 4.9M / 16' 1" | | |
| L | 531-4045 | **22'4" MH,18'1" STK,IND** | 0 | $54,580 |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines,<br>operated by bucket circuit for tool open/close function and<br>Medium pressure auxiliary hydraulic circuit boom & stick lines<br>for tool rotation.<br>CVC type quick couplings<br>One grapple pin.<br>Material handling boom 6.8M / 22' 4"<br>MH Drop Nose Stick 5.5M / 18' 1" | | |
| L | 503-4974 | **22'4" MH,19'4" STK,IND** | 0 | $55,580 |
| | | Arrangements without Bucket Linkage<br>Includes:<br>High pressure auxiliary hydraulic circuit boom & stick lines,<br>operated by bucket circuit for tool open/close function and<br>Medium pressure auxiliary hydraulic circuit boom & stick lines<br>for tool rotation.<br>CVC type quick couplings<br>One grapple pin.<br>Material handling boom 6.8M / 22' 4"<br>MH Drop Nose Stick 5.9M / 19' 4"<br>STICK MUST BE DETACHED FOR SHIPPING<br>Please order Packing 0G-3154. | | |

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

## BOOMS, STICKS, AND LINKAGES (CONT.)

### *SMARTBOOM & BLCV.*

| | | | | |
|---|---|---|---|---|
| L | 471-1544 | **BLCV, 1PC** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: One piece boom (1PC) | | |
| L | 471-0976 | **BLCV, VA** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: Two piece boom (VA) | | |
| L | 459-0455 | **BLCV, MH** | 0 | NC |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Note: Smartboom not included<br>FOR USE WITH: Material handling boom (MH) | | |
| L | 471-0977 | **BLCV, 1PC INCL. SMARTBOOM** | 0 | $2,910 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: One piece boom (1PC) | | |
| L | 471-0979 | **BLCV, VA INCL. SMARTBOOM** | 0 | $4,805 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: Two piece boom (VA) | | |
| L | 457-8669 | **BLCV, MH INCL. SMARTBOOM** | 0 | $2,910 |
| | | Includes:<br>Boom Lowering Control device, reducing boom drift, and overload warning device, which signals a hydraulic overload with an acoustical warning in the cab.<br>Includes: Smartboom<br>Smartboom eases operations and improves operator comfort.<br>It is useful and recommended for material handling applications.<br>FOR USE WITH: Material handling boom (MH) | | |

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

## POWERTRAIN

### *TRAVEL SPEED*

Includes:
48 degrees C / 118.8 degrees F cooling capability

| | | | | |
|---|---|---|---|---|
| L | 441-4697 | **SPEED 12.4 MPH** | 0 | NC |
| | | Travel speed 20kph / 12.4mph | | |
| L | 452-4482 | **SPEED 15.5 MPH** | 0 | NC |
| | | Travel speed 25kph / 15.5mph | | |
| | | CANNOT BE USED WITH: Solid Rubber Tires | | |

## UNDERCARRIAGE

### *UNDERCARRIAGE ARRANGEMENTS*

NOTE: Undercarriage arrangements 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 | 531-3571 | **UC MH** | 0 | NC |
| | | Width: 2.75M / 9' | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front | | |
| | | Outriggers rear | | |
| L | 531-3570 | **UC MH W/ BLADE** | 0 | $8,870 |
| | | Width: 2.75M / 9' | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front including pushblade | | |
| | | Outriggers rear | | |
| L | 460-9503 | **UC BLADE FRONT/ OUT.REAR** | 0 | NC |
| | | Width: 2.75M / 9' | | |
| | | Includes: Welded undercarriage | | |
| | | Parallel blade front remote greasing (width: 2.75M / 9') | | |
| | | Outriggers rear | | |
| L | 442-1597 | **UC OUT. FRONT / BLADE REAR** | 0 | NC |
| | | Width: 2.75M / 9' | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front | | |
| | | Parallel blade rear remote greasing (width: 2.75M / 9') | | |
| L | 442-1600 | **UC MH WIDE** | 0 | $6,490 |
| | | Width: 2.99M / 9' 10" | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front | | |
| | | Outriggers rear | | |
| | | Recommended for use with: Boom MH | | |
| L | 442-1599 | **UC MH WIDE W/ BLADE** | 0 | $15,400 |
| | | Width: 2.99M / 9' 10" | | |
| | | Includes: Welded undercarriage | | |
| | | Outriggers front including pushblade | | |
| | | Outriggers rear | | |
| | | Recommended for use with: Boom MH | | |

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

## UNDERCARRIAGE (CONT.)

### *TIRES*

### DUAL TIRES

| | | | | |
|---|---|---|---|---|
| L | 474-7226 | **TIRES,SOLID RUB.10.00-20 DUAL** | 0 | $16,160 |
| | | SOLID RUBBER<br>Tires for industrial applications.<br>Requires: 20kph / 12.4mph travel speed<br>Spacer rings are included. | | |
| L | 474-7228 | **TIRES,BRIDGEST.11.00-20 DUAL.** | 0 | $5,630 |
| | | BRIDGESTONE FG, PR16 (DIAGONAL/CROSS PLY)<br>The FG's separate lugs are tapered for greater traction and self cleaning, resulting in an easier drive through heavy dirt and mud.<br>Spacer rings are included. | | |
| L | 474-7231 | **TIRES, MITAS 11.00-20 DUAL** | 0 | $1,995 |
| | | MITAS NB38, BIAS (DIAGONAL/CROSS PLY),<br>PR16.<br>Spacer rings are included. | | |

## HYDRAULICS

### *MEDIUM PRESSURE AUXILIARY HYDRAULIC CONTROLS*

| | | | | |
|---|---|---|---|---|
| L | 457-5493 | **CONTROL, MPF, 1PC & VA** | 0 | $1,310 |
| | | Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>FOR USE WITH: One piece (1PC) & Two piece (VA) booms | | |
| L | 457-5491 | **CONTROL, MPF MH** | 0 | $1,310 |
| | | Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>FOR USE WITH: Material handling boom (MH) | | |
| L | 503-3999 | **CONTROL, JS, 1PC & VA** | 0 | $4,180 |
| | | Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick.<br>FOR USE WITH: One piece (1PC) & two piece (VA) booms | | |
| L | 501-8569 | **CONTROL, JS, MH** | 0 | $4,180 |
| | | Provides auxiliary medium pressure circuit for tool rotation/tilt.<br>Enables steering of the machine while travelling in first gear by using the sliding switch on the right hand joystick.<br>FOR USE WITH: Material handling boom (MH) | | |

## ELECTRICAL

### *REFUELING PUMP*

| | | | | |
|---|---|---|---|---|
| L | 453-5090 | **NO PUMP, REFUELING** | 0 | NC |
| | | Required if PUMP, ELECTRIC REFUELING is Not selected. | | |
| L | 433-7326 | **PUMP, ELECTRIC REFUELING.** | 0 | $1,305 |
| | | Provides a built-in electric pump to transfer fuel from a ground level fuel container into the machine fuel tank. | | |

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

## OPERATOR ENVIRONMENT

### *CAB WINDSHIELD*

| | | | | |
|---|---|---|---|---|
| L | 491-7072 | **CAB, 1-PC** | 0 | NC |
| | | Fixed, one piece laminated glass windshield (10MM / 0.4", EN356 P5A)<br>Laminated glass top window (10MM / 0.4", EN356 P5A).<br>Laminated glass top window and tempered glass side & rear windows. | | |
| L | 491-7073 | **CAB, 70/30** | 0 | NC |
| | | Openable, 70/30 split, glass windshield (lower 30% part:tempered glass 4MM / 0.16", upper 70% part: laminated glass 7MM / 28")<br>Laminated glass top window and tempered glass side & rear windows | | |
| L | 491-7074 | **CAB, 70/30, HR** | 0 | $3,245 |
| | | Fixed, laminated high resistance glass windshield (26MM / 1", EN356 P8B)<br>Laminated high resistance glass top window (26MM / 1", EN356 P8B).<br>Tempered glass side & rear windows.<br>CANNOT BE USED WITH: Cab guard | | |
| L | 507-2282 | **CAB, 1-PC, WASTE HANDLING** | 0 | $15,060 |
| | | includes: Cab Air Pre-Filtration System<br>Fixed, one piece laminated glass windshield (10MM / 0.4")<br>Laminated glass top window and tempered glass side & rear windows. | | |
| L | 482-9472 | **CAB, 70/30, HR, WASTE HANDLING** | 0 | $18,300 |
| | | includes: Cab Air Pre-Filtration System<br>Fixed,laminated high resistance glass windshield (26MM / 1", EN356 P8B)<br>Laminated high resistance glass top window (26MM / 1", EN356 P8B).<br>Tempered glass side & rear windows.<br>CANNOT BE USED WITH: Cab guard | | |

### *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<br>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<br>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*

| | | | | |
|---|---|---|---|---|
| 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<br>Includes one high pressure auxiliary circuit controle valve.<br>FOR USE WITH: One piece (1PC) & Two piece (VA) booms | | |
| L | 510-9827 | **CONTROL, MH, STRAIGHT STK** | 0 | NC |
| | | Implement Control Valve optimized for sorting grapple operation.<br>Includes one high pressure auxiliary circuit control valve.<br>FOR USE WITH: Material handling booms (MH) and MH Straight Stick | | |
| L | 457-9537 | **CONTROL, MH, IND STK** | 0 | NC |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>FOR USE WITH: Material handling booms (MH) and Drop Nose Stick<br>CANNOT BE USED WITH: Generator | | |
| L | 467-0343 | **CONTROL, MH, IND STK W GENSET** | 0 | NC |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>ONLY FOR USE WITH: Generator & Material handling booms (MH)& Drop Nose Stick | | |

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

## OPERATOR ENVIRONMENT (CONT.)

### *CONTROL MAIN VALVE (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 538-8803 | **CONTROL, MH, IND STK W AUX VLV** | 0 | $4,575 |
| | | Implement Control Valve optimized for orange peel grapple operation.<br>Includes one high pressure auxiliary circuit control valve.<br>ONLY FOR USE WITH: Material handling booms (MH) and Drop Nose Stick<br>CANNOT BE USED WITH: Generator | | |

## 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<br>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<br>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.<br>FOR USE WITH:VA & MH Booms<br>Heated Mirrors adjustable from Cab | | |

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

## SAFETY AND SECURITY (CONT.)

### *Mirrors (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 489-4673 | **MIRROR, ELECTRIC, 1PC.** | 0 | $990 |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>Heated Mirrors adjustable from Cab<br>FOR USE WITH: One piece booms | | |
| L | 491-1065 | **MIRROR, VA/MH** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH:VA & MH Booms | | |
| L | 491-1066 | **MIRROR, 1PC.** | 0 | NC |
| | | Provides rearview mirrors on cab and on RH side of machine.<br>FOR USE WITH: One piece boom | | |

## COOLING

### *COOLING PACKAGE*

| | | | | |
|---|---|---|---|---|
| L | 506-6561 | **COOLING SYSTEM, FINE MESH** | 0 | NC |
| | | CANNOT BE USED WITH: Generator | | |
| L | 506-6560 | **COOLING SYSTEM,FM W/ GENERATOR** | 0 | NC |
| | | ONLY FOR USE WITH: Generator | | |
| L | 506-6559 | **COOLING SYSTEM, WASTE HANDLING** | 0 | $4,725 |
| | | Includes reversible fan functionality and a vibrating radiator screen to prevent clogging of the radiator in dusty environments.<br>CANNOT BE USED WITH: Generator | | |
| L | 506-6558 | **COOLING SYSTEM,WH W/ GENERATOR** | 0 | $4,725 |
| | | Includes reversible fan functionality and a vibrating radiator screen to prevent clogging of the radiator in dusty environments.<br>ONLY FOR USE WITH: Generator | | |

## OTHER ATTACHMENTS

### *GENERATOR*

| | | | | |
|---|---|---|---|---|
| L | 487-5028 | **NO GENERATOR** | 0 | NC |
| | | Required if GENERATOR, 15 KW is not selected. | | |
| L | 503-5936 | **GENERATOR, 15 KW** | 0 | $34,560 |
| | | 15 KW Generator set with hydraulic priority valve and electronic controls.<br>Includes in-cab drop time adjuster. | | |

## FRAMES

### *COUNTERWEIGHT*

| | | | | |
|---|---|---|---|---|
| L | 443-8002 | **COUNTERWEIGHT, 11465 LBS** | 0 | $1,055 |
| | | Counterweight 5200KG / 11450LBS | | |

## FLUIDS

### *LUBRICATIONS*

| | | | | |
|---|---|---|---|---|
| L | 442-0430 | **HYDRAULIC OIL, MINERAL** | 0 | NC |
| | | Filling with Cat HYDO Advanced 10 oil | | |

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

## FLUIDS (CONT.)

### *LUBRICATIONS (Cont.)*

| | | | | |
|---|---|---|---|---|
| L | 442-0431 | **HYDRAULIC OIL, BIODEGRADABLE** . . . . . Filling with Cat Bio HYDO oil | 0 | $8,830 |

## INSTRUCTIONS

### *INTERNATIONAL INSTRUCTIONS*

| | | | | |
|---|---|---|---|---|
| L | 473-2982 | **DECALS, NORTH AMERICA (ANSI)** . . . . . FOR USE WITH: One piece (1PC) & two piece (VA) booms | 0 | NC |
| L | 490-6951 | **DECALS, NORTH AMERICA (ANSI)MH** . . . . . FOR USE WITH: Material handling booms (MH) | 0 | NC |

## PACKING

### *EXPORT PACKING*

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

| USE | REF NO. | LANE 2 / 3 OPTIONAL | Ship Weight lbs | LIST PRICE AT DEALER |
|---|---|---|---|---|

## SPECIAL ARRANGEMENTS

### *CUSTOM PAINT*

| | | | | |
|---|---|---|---|---|
| P | 262-4657 | **DECALS, DETACHED** | 0 | NC NI |
| | | This arrangement provides CAT decals, nomenclature decals and red stripe on uppercarriage and front implements shipped loose inside the cab of the machine. It must me ordered assembly indicator : Not installed | | |

## UNDERCARRIAGE

### *STEPS UC*

| | | | | |
|---|---|---|---|---|
| L | 462-8865 | **STEPS, UC, SIDE** | 0 | $790 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>Provides a ladder to ease access to the cab.<br>It can be fixed to the undercarriage at the RHS<br>Installation will increase total machine width by up to 160mm<br>Will be shipped on a separate palette.<br>ONLY FOR USE WITH: Undercarriage MH WIDE 442-1600 or 442-1599 or Undercarriage MH 531-3570 or 531-3571 | | |
| L | 542-6311 | **STEPS, UC, FRONT** | 0<br>0 | $1,290<br>$1,290 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>ONLY FOR USE WITH: MH Undercarriage 442-1600, 531-3571<br>CANNOT BE USED WITH: push blade | | |
| L | 542-6312 | **STEPS, UC, REAR** | 0<br>0 | $1,290<br>$1,290 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>ONLY FOR USE WITH: MH Undercarriage 442-1600, 531-3571, MH Undercarriage 442-1599, 531-3570<br>CANNOT BE USED WITH: blade rear | | |

## HYDRAULICS

### *COUPLINGS MEDIUM PRSSURE CIRCUIT*

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

### *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.<br>CANNOT BE USED WITH: Drop nose stick, CW-type quick coupler | | |

| USE | REF NO. | LANE 2 / 3 OPTIONAL | Ship Weight lbs | LIST PRICE AT DEALER |
|---|---|---|---|---|

## ELECTRICAL

### *ALARM*

| | | | | |
|---|---|---|---|---|
| L | 237-0065 | **ALARM, BACK-UP HCR** | 0 | $745 |
| | | REQUIRED BY: US , Canada, Australia dealers<br>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.<br>Requires special Machine Security System keys.<br>Machine shipped with system inactive but with two of these keys already programmed into system.<br>Requires Caterpillar Service Tool Electronic Technician (ET) to activate and to program system for additional keys.<br>Additional keys available through Parts Distribution. | | |

## BUCKETS

### *BUCKET RETENTION PINS*

| | | | | |
|---|---|---|---|---|
| P | 123-4801 | **PIN, BUCKET, ADJ** | 95<br>95 | $356<br>$356 NI |
| | | "ALSO AVAILABLE ON A MISCELLANEOUS ORDER"<br>CANNOT BE USED WITH: Drop nose sticks<br>Ni and packing 0G-3565 selected if MH Straight Stick 4.8M / 15’ 9” | | |

## FIELD INSTALLED ATTACHMENTS

### *KITS FOR FIELD INSTALLATION*

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

| USE | REF NO. | LANE 2 / 3 OPTIONAL | Ship Weight lbs | LIST PRICE AT DEALER |
|---|---|---|---|---|

## DOCUMENTATION

### *FILM WASTE HANDLER*

| | | | | |
|---|---|---|---|---|
| L | 457-9531 | **FILM, WASTE HANDLER** . . . . . | 0 | **NC** |
| | | FOR USE WITH: Cooling System, Waste Handling<br>506-6559 COOLING SYSTEM, WASTE HANDLING<br>506-6558 COOLING SYSTEM,WH W/ GENERATOR | | |

## PACKING

### *EXPORT PACKING*

| | | | | |
|---|---|---|---|---|
| | 0G-3561 | **PACKING - SEA/TRUCK BH BUCKET** . . . . . | 0 | **$283 NET** |
| | | ONLY FOR USE WITH: Only with Not installed bucket (Ni) | | |
| | 0G-3565 | **PACKING -SEA/TRUCK MISC.MATER..** . . . . . | 0 | **$217 NET** |
| | | ONLY FOR USE WITH: only with Not installed Misc.Mater (Ni) | | |
| | 0G-3154 | **STICK NOT INSTALLED PACKING** . . . . . | 0 | **$605 NI NET** |
| | | Required for not installed / demounted Material Handling stick 5.9M / 19' 4"<br>REQUIRED BY: 503-4974 6.8M MH, 5.9M STK, IND. or MH3026-06c WHL HEX AMN DCA1 | | |