

B/M Number	Description	Reference	Date	Sheet
00507313-2164	FRAME, GATHERING HEAD	PDF6221	12/18/1997	

Qty	UOM	Part Number	Description	Ref No
2	EA	00570109-0023	BRACKET	10
1	EA	00570425-0000	HANGER, CABLE	20
4	EA	00900317-0006	*	30
1	EA	01566322-1446	DETAIL	40
1	EA	01566322-1447	DETAIL	50
2	EA	01566322-1452	DETAIL	60
2	EA	01566322-1453	DETAIL	70
1	EA	01566322-1681	DETAIL	80
1	EA	01566322-1682	DETAIL	90
2	EA	01566322-1685	DETAIL	100
2	EA	01566322-1686	DETAIL	110
1	EA	01566322-1689	DETAIL	120
1	EA	01566322-1691	DETAIL	130
2	EA	01566322-1692	DETAIL	140
1	EA	01566322-1693	DETAIL	150
1	EA	01566322-1695	DETAIL	160
2	EA	01566322-1772	DETAIL	170
2	EA	01566322-1774	DETAIL	180
2	EA	01566322-2735	DETAIL	190
2	EA	01566322-2736	DETAIL	200
2	EA	01566322-2768	DETAIL	210
2	EA	01566322-2770	DETAIL	220
2	EA	01566322-2773	DETAIL	230
2	EA	01566322-3140	DETAIL	240
1	EA	01566322-3273	PLATE, GATH HEAD	250
1	EA	01566322-3274	PLATE, GATH HEAD	260
2	EA	01566322-3275	PLATE, GATH HEAD	270
1	EA	01566322-3278	PLATE, GATH HEAD	280
1	EA	01566322-3279	PLATE, GATH HEAD	290
1	EA	01566322-3599	PLATE, GATH HEAD	300
1	EA	01566322-3601	PLATE, GATH HEAD	310
2	EA	01566322-3602	PLATE, GATH HEAD	320
2	EA	01566322-3625	PLATE, GATH HEAD	330
2	EA	01566322-3644	PLATE, GATH HEAD	340
1	EA	03069119-0630	BRACKET	350
1	EA	03069119-0631	BRACKET	360
1	EA	03507313-0003	FRAME, SUB, HEAD, GATHERING	370

***** End of Bill of Material *****

B/M Number	Description	Reference	Date	Sheet
00703465-0145	ASSEMBLY, GATHERING HEAD	JCM00852-0147 1007729	09/13/1999	01

Qty	UOM	Part Number	Description	Ref No
2	EA	00901261-0001	GREASE FITTING	20
40	EA	00902224-0095	SCREW, CAP, 1/2-13 X 1-1/2	30
2	EA	00906512-0168	RING, RETAINING	40
2	EA	00910659-0220	O-RING	50
2	EA	00910659-0273	O-RING	60
24	EA	00925435-2400	NUT, HEX, STYLE 2, CL. 12, M24 X 3	70
2	EA	00925441-1219	SCREW, CAP, CL. 10.9, M12 X 1.75 X 30	80
4	EA	00925447-1222	SCREW, CAP, CL. 12.9, M12 X 1.75 X 40	90
8	EA	00925447-2028	SCREW, CAP, CL. 12.9, M20 X 2.5 X 70	100
6	EA	00925447-2426	SCREW, CAP, CL. 12.9, M24 X 3 X 60	110
12	EA	00925447-2430	SCREW, CAP, CL. 12.9, M24 X 3 X 80	120
24	EA	00925447-2433	SCREW, CAP, CL. 12.9, M24 X 3 X 100	130
8	EA	00925498-2000	WASHER, FLAT, GR. A, CLASS 300HV, M20	140
42	EA	00925498-2400	WASHER, FLAT, GR. A, CLASS 300HV, M24	150
40	EA	00925550-1200	WIRE, LOCKING, M12 X 1.75	160
18	EA	00925550-2400	WIRE, LOCKING, M24 X 3	170
2	EA	01069140-2059	CAP, BOLTED	180
4	EA	01069160-2004	CLAMP	190
1	EA	01069195-2079	COVER	200
1	EA	01069195-2080	COVER	210
2	EA	01069452-0031	PLUG, SPECIAL	220
2	EA	01069528-2038	SHAFT, SPLINED	230
2	EA	01069528-2116	SHAFT, SPLINED	240
8	EA	01069565-0752	BAR, HEX.	250
2	EA	01069566-0345	SPACER, SPECIAL	260
8	EA	01069652-0002	WEDGE	270
2	EA	01566322-1367	DETAIL	280
4	EA	01566322-1434	DETAIL	290
1	EA	01567326-2015	ARM, CENTRIFUGAL	300
1	EA	01567326-2016	ARM, CENTRIFUGAL	310
4	EA	00900970-0230	KEY, 3/4 X 3/4 X 2-3/8	320

***** End of Bill of Material *****

JCM00852-0147

01586322-1434

0081154-0000 (5/4 LG) (REF)

0081154-0000 (50-7/8 LG) (REF)

00908512-0166

0091659-0220 (1/8 X 1-3/8 I.D.)

01069452-0031
01069528-2116

0091659-0273 (1/8 X 9-3/4 I.D.)

03069228-0031
00925498-2000

VIEW A-A

HOLD FLUSH

TACK WELD

INSTALL DRAIN COVER ON TOP SIDE ONLY TYP

00901281-0001 *

00925447-2222 (1/2 X 40)

SPROCKET ASSEMBLY (SEE SALES ORDER)

WEAR SHOE (01065600-0202 REF.)

GATH. HEAD GEAR CASE (L.H.) (SEE SALES ORDER)

0090005-0056 (REF.) (3/4 X 2)
00900302-0006 (REF.)

572019-120
572019-121

GATH. HEAD FRAME (SEE SALES ORDER)

GATH. HEAD GEAR CASE (R.H.) (SEE SALES ORDER)

00925447-2433 (1/2 X 30)
00925498-2400
00925435-2400

00925447-2433 (1/2 X 30)
00925498-2400
00925435-2400

▲ TORQUE TO 555-615 FT.-LBS. LUBED
ALL WELDS TO BE MINIMUM 70,000 TENSILE STRENGTH

★ COMPLETE FOOT SHAFT PARTS MAY BE ORDERED AS PART NO. 0072026-0001

① LOCATE 01586322-1387 BLOCK AGAINST GEAR CASE FACE AND WELD AS SHOWN.

② LOCATE BOLT, KEYWAY IN LINE WITH FOOT SHAFT AS SHOWN FOR CORRECT CLAMPING.

REVISIONS		FINISH SYMBOLS		JOY TECHNOLOGIES INC.	
NO.	DESCRIPTION	1	2	FRANKLIN, PENNSYLVANIA 15302	
1	ISSUED FOR PRODUCTION	1	1		
2	REVISIONS	2	2		
3		3	3		
4		4	4		
5		5	5		
6		6	6		
7		7	7		
8		8	8		
9		9	9		
10		10	10		

CLEANUP, HEAD, GATHERING

JCM00852-0147

Preface

This parts catalog is intended to provide specific information on this machine. The drawings, descriptions, and procedures contained in this book were in effect at the time the book was approved for printing. Joy Mining Machinery reserves the right to discontinue models at any time, or change specifications, designs, or procedures, without notice and without incurring obligation.



The Federal Coal Mine Health and Safety Act, Code of Federal Regulations, Title 30, Chapter 1, Subchapter 0, Part 75 sets forth allowable procedures for maintenance and troubleshooting of electrical equipment. Troubleshooting may require activating electrical circuits that are malfunctioning. **Extreme caution must be used by trained and experienced personnel in performing testing procedures with the power connected to the machine and circuits activated.** Severe injury or death may occur if correct techniques and proper precautions are not observed at all times.

R

Memo

572100-3

FLUSH VALVE

STRAINER only 100130616

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PRINTED IN U.S.A.



Sales Order	Item	Purchase Ord	Machine Model	Serial Number	
954017	1	Signed D-114	14CM15-11CX	JM5405	
Sold To			Ship To		
Cook & Sons Mining, Inc.			Cook & Sons Mining, Inc.		
Cook & Sons Mining, Inc.			Cook & Sons Mining, Inc.		
WHITESBURG			WHITESBURG		
KY			KY		
41858			41858		
Sales Org	Dist. Ch	Sales Off	Sales Grp	Char Ver#	Prod. Order
JUSA	AM	DFFD	U12	009	
Req Del Dt	First Dt	Incoterms	Plant	BOM Ver#	Plnd. Order
12/07/2001	12/07/2001		185	007	

Material Number	Description
100001058	Miner 14CM Series

Customer Specials

MACHINE MODEL: 14CM15-11CX

~
THIS SALES ORDER IS WRITTEN PER CUSTOMER SPECS AS BUILT AT
THE DUFFIELD SERVICE CENTER
JOB NUMBER: 9159913
CEP SHIP DATE: (JM5405)

~
APPROVALS

MACHINE APPROVAL: 2G-3562A-00
LIGHTING STE: 5004636-00
SHEAR LOAD LOCK: 4449S
CONVEYOR LOAD LOCK: 5277C

~
**CUSTOMER SPECIALS:

- 001: Locate CSE methane moniotr read-out on right rear inboard corner of chassis and mount one above the other.
- 002: Solid adjustable stand-off to be welded to back bumper
- 003: The gathering head torque shafts are to be part number 1069528-513.
- 004: Hard face CLA shoes.
- 005: Add welding to lower bracket on core breaker.
- 006: Ship machine with BD3-2 spray nozzles.
- 007: Right hand roof stop block to have water spray spraying to left.
- 008: Water filter to be mounted on RH cat frame.

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Customer Specials

009: Add guards to bumper and add side rub rail. (Brad to provide pictures).

010: Add belting on top of miner. (Brad to provide pictures).

011: Need to make chassis as low as possible.

012: Ship 00570038-647 duct work.

Characteristic	Characteristics	Value
Char Group :	0000001000 General Group	
Distribution channel		AM
MACHINE MODEL		14CM15
	CHAINLESS DRUM HEAD	
	38" CONVEYOR WIDTH	
PRICING METHOD		FIRM PRICED
TYPE OF SALE		C.E.P.
APPROVAL TYPE		M.S.H.A.
MINE DATA - MINING WIDTH		6.10 M
	20 FEET 0 INCHES	
MINE DATA - MAX. PERCENT GRADE		0 TO 5
MINE DATA - HAULAGE SYS. USED		RAMCAR
MINE BOTTOM CONDITIONS		SOFT SHALE
ENTRY/SHAFT SIZE INSTALL LIMIT		NONE
DESIGN MODE		SOFT METRIC
MACHINE GROUND CLEARANCE		190 MM
	7-1/2" GROUND CLEARANCE.	
	INCLUDES 3/4" BASE PLATE WITH	
	REPLACEABLE 2" WEAR RUNNER.	

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
FLOODED BED DUST COLL. FAN LOC	LEFT
FLOODED BED DUST COLL. MOTOR	30 H.P.
DUST COLL. INLET DUCT STYLE CHASSIS MOUNTED DUCTWORK WITH AN AIR INLET AT THE FRONT OF THE TRACK FRAME.	CHASSIS ONLY
FLOODED BED DUST COLL. DISCH. FAN DISCHARGE EXHAUSTS TOWARD THE RIB.	LEFT (SIDE)
FLOODED BED DUST COLLECTOR F. BED DUST COLL. SLURRY DISCH MAY INCREASE OVERALL CHASSIS HEIGHT PACER PUMP MOUNTED SAME SIDE AS DUST COLLECTOR FAN MOTOR IN REAR BUMPER AREA. FOR USE ON DUAL DUCTWORK WHEN LEFT HAND OR RIGHT HAND DUCTWORK IS RUNNING INDEPENDENTLY.	39" HIGH 30 HP FAN HYDRAULIC PUMP
BACKFLUSH FOR SCRUBBER FILTER SLURRY DISCHARGE LOCATION DISCHARGE IS BETWEEN RUBBER FLAPS (DROP TUBE) WITH LEFT OR RIGHT DUST COLLECTOR. DISCHARGE ON LEFT SIDE IS BETWEEN RUBBER FLAPS (DROP TUBE), DISCHARGE ON RIGHT SIDE IS ON THE GATH. HEAD WITH DUAL DUST COLLECTORS.	NO CONV. THROAT AREA
DESIGN REMOTE CONTROL 3RD SP RECONFIGURED METHANE MONITOR M RECONFIGURED DUST COLLECTOR EL DIST. GATH HD LIP TO DRUM CEN. INCREASED THROAT AREA LOCATION OF HYD.PUMP AND MOTOR LANGUAGE FOR NAME PLATES PAINT SPECIFICATIONS	HSR AUX 2 YES YES 21 INCHES NO RIGHT SIDE ENGLISH JOY ORANGE

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
SHEAR L.L. CERT. COMP. (PIPING)	4696-0043
SHEAR L.L. CERT COMP (CYLINDER)	543
SHEAR L.L. CERT. COMP. (BOOM)	2020
SHEAR LOAD LOCK CERTIFICATION	SHEAR100-4449
Char Group : 0000002000 Electrical Group	
MACHINE INPUT VOLTAGE	950 VOLT AC 60 HZ
PENNSYLVANIA APPROVAL	NO
DESIGN MACHINE CONTROL CABLE	19 COND CABLE
DESIGN CONTROLLER CASE	2ND DESIGN
DESIGN TRACT.CONTROLLER CASE	4TH DESIGN
DESIGN MASTER STATION CASE	3RD DESIGN
DESIGN CUTTER MOTOR HEATERS	AT S/O LEVEL
REMOTE CONTROL	FAN STARTS FIRST
DUST COLLECTOR FAN MUST BE STARTED BEFORE CUTTER MOTORS. DUST COLLECTOR CAN BE STARTED FROM REMOTE STATION.	
DESIGN CABLE GLANDS	WATERPROOF/ROPE MIX
ALL GLAND ENTRANCES ON JOY ENCLOSURES USE USE WATER-PROOF GROMMET STYLE GLANDS WHERE POSSIBLE. ROPE PACKING IS USED WHERE NOT POSSIBLE.	
EMERGENCY STOP OVERRIDE/REMOTE	YES
*DESIGN*PUMP MTR OFF, SPRAYS ON DEMULPLEXER LOCATION	NO SEPARATE ENCLOSURE
RADIO REMOTE CONTROL	YES
REMOTE STATION	LIGHTWEIGHT STATION
LIGHTWEIGHT BLACK PLASTIC STATION WITH HALL EFFECT TOGGLE SWITCHES (CAP LAMP POWERED).	
EXTRA REMOTE STATIONS	NONE
RADIO REMOTE CONTROL FREQUENCY STANDARD FREQUENCY	458.525 MHZ
BREAKER RESET CABLES	TRACTION/CUTTER
WHEN USED WITH NO ONBOARD OPERATORS AREA CUTTER BREAKER	

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
RESET CABLE IS ACCESSIBLE FROM RH REAR AREA OF MACHINE. TRACTION BREAKER RESET CABLE ACCESSIBLE FROM L.H. REAR AREA OF MACHINE.	
CABLE REM. CONTROL RECEPTACLES	ONE
RADIO REMOTE CONTROL ANTENNAS	ONE
BRAND OF CAP LAMP/RADIO REMOTE FOUR (4) WHEAT MARK V BATTERY COVERS & CABLES WILL BE FURNISHED.	WHEAT MARK V
REMOTE CONTROL EMERG STOP TRIP	POWER SUPPLY BREAKER
FIRE SUPPR. ACT. W/POWER LOSS WITH BATTERY BACK-UP ** STANDARD ** AVAILABLE ON RADIO REMOTE MACHINES ONLY.	FROM REMOTE STATION
TRAILING CABLE SUPP AND INSTAL	CUST SUPP & INSTALL
TRAILING CABLE SIZE AND TYPE	2/0-3COND RD SHD-GC
TRAILING CABLE CONNECTOR MANUF	NONE
TRAILING CABLE JUNCTION BOX TRAILING CABLE EXITS R.H. REAR CORNER. CORNER, SAME SIDE AS MASTER STATION. (10" X 14" JUNCTION BOX, NOMINAL SIZE)	R.H. SIDE
TRAILING CABLE TERMINAL BOARD	NO
TRAILING CABLE STAND-OFF	SOLID ADJUSTABLE
ADDITIONAL TRAILING CABLE HOOK ADDITIONAL HOOK - INDICATE LOCATION IN THE REGIONAL ORDER SPECIAL OPTIONS THREE STANDARD ON RH SIDE 1 NEAR END OF CONVEYOR 1 ON RUB RAIL AT MIDDLE OF CHASSIS 1 AT REAR OF GATHERING HEAD	ONE
METHANE MONITOR SUPPLIER JOY INSTALLED	JOY SUPPLIED
METHANE MONITOR MAKE AND MODEL CSE MODEL 140BLD-IR WITH AUTOMATIC RESET AND REMOTE CALIBRATION. ALARM SETTING : LOW ALARM ACTUATED AT 1% METHANE, HIGH ALARM AND SHUTDOWN AT 2%	CSE SYSTEM #24

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Characteristics	Value
	METHANE. 2" RED DIGITAL DISPLAY READOUT UNIT FOR STANDARD DETECTOR HEAD FOR FRONT OF MACHINE. DETECTOR HEAD CABLE HAS AN IN-LINE CONNECTOR 12 FT. FROM THE DETECTOR HEAD. IN-LINE CONNECTOR LOCATED ON MACHINE CHASSIS. JOY REQUIRES A SIGNED PRINT ON THE DETECTOR HEAD MOUNTING LOCATION BEFORE INSTALLATION, IF REQUIRED.	
METHANE MONITOR WARNING LIGHT		NO WARNING LIGHT
HOURLMETER		GATH. HEAD CIRCUIT
AMMETER		CUTTER (2) GATH HD (2)
	STANDARD (14CM14/15/14AA) AS OF 10/05/94 DUAL GATHERING HEAD MOTORS ** FOUR AMMETERS **	
LOW HYD. OIL LEVEL INDIC LIGHT		WITHOUT SHUT-OFF
TRACTION SYSTEM DIAGNOSTICS		NO
TRACTION MOTOR RATING		50 H.P. - STANDARD
GROUND CHECK SYSTEM SWITCH		NO
VACUUM PRESS. IMPREGNATED MTRS		NO
AREA ILLUMINATION SYSTEM SUPPL		JOY SUPPLIED
	JOY INSTALLED	
AREA ILLUMINATION SYSTEM BRAND		OCENCO
AREA ILLUMINATION SYSTEM STE		5004636-00
	OCENCO ILLUMINATION SYSTEM. 3-12 VOLT, 50 WATT HALOGEN MODEL HE-50 HEADLIGHTS AND 4-120 VOLT, 100 WATT INCANDESCENT MODEL AR100 AREA LIGHTS.	
HEADLIGHTS		NONE
DESIGN LIGHT SWITCH WIRING		HEADLIGHT
DESIGN GLOBAL GATH.HD.MOTORS		NO
GATHERING HEAD MOTOR RATING		65 HP 60 HZ DUAL
Char Group : 0000003000 Cutter Group		
CUTTER DIAMETER		965 MM CHAINLESS
	38 INCH SOLID STYLE CUTTER HEAD.	
CUTTING WIDTH		3.51 M (3.35 M PAN)
	11 FEET 6 INCH CUTTING WIDTH WITH A 50 MM 75 MM (3") CLEARANCE PER SIDE. GATHERING HEAD WIDTH. 75 MM (3")	

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
CLEARANCE PER SIDE.	
BIT TIP SPEED AND MOTOR RATING - 1800 R.P.M. MOTORS - 20" CORE LENGTH.	642F.P.M. & 210 H.P.
CUTTER MOTOR CLUTCH	STANDARD
CUTTR MTR CLUTCH OUTPUT SPLINE	27 TOOTH
DESIGN CUTTER GEAR CASE	REV. #6 (38" DIA.)
DESIGN INCLUDES THE FOLLOWING IMPROVEMENTS:	
1) 2ND GENERATION POLYGON WEB SHAFT	
2) IMPROVED CENTER DRUM MOUNTING	
3) WEB HARD SURFACED INSTEAD OF CARBURIZED BOLT-ON BOTTOM CAP PLUS OIL CIRCULATING PORTING.	
4) SPIRAL BEVEL INPUT GEARING.	
5) FULL METRIC GEAR CASE.	
CUTTER DRUM BIT BLOCK MOUNTING	GLOBAL J30 PRSD SLVE
JOY WELD-ON BIT BLOCK WITH DOWELS	
BIT SLEEVE WITH DOWELS.	
ACCEPTS 30MM (1 3/16") SQUARE SHOULDER BITS.	
CUTTER BIT TYPE	30 MM SHANK SQ. SH.
1-3/16" SHANK SQUARE SHOULDER	
TYPICAL KENNAMETAL U85	
CUTTER DRUM BIT LACING	DOUBLE SCROLL
STANDARD - BALANCED	
LEFT AND RIGHT DRUMS LACED WITH BITS SEQUENCED TOWARDS CONVEYOR.	
CUTTER DRUM LATERAL BIT SPACIN	75 MM
3 INCH SPACING	
CENTER DRUM LACING	STANDARD LACING
CUTTER BIT ATTACK ANGLE	50 DEGREES
CUTTER DRUM END RINGS	REVERSE INTERLOCKED
SINGLE SCROLL LACING ON END RING.	
LEFT AND RIGHT END RINGS LACED WITH BITS SEQUENCED TOWARDS CONVEYOR. PEDESTALS FOR END RING BLOCKS ARE INTERLOCKED.	
CUTTER DRUM END CAPS	NO
DESIGN END RING ATTACK ANGLE	OLD STYLE
Char Group : 0000004000 Conveyor Group	
CONVEYOR PIVOT LOCATION	FORWARD MOUNTED-LOW
CONVEYOR PROFILE	STANDARD-MED
APPROXIMATELY 18" GROUND CLEARANCE UNDER	

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
TAIL ROLLER AND 33" OVER TOP OF CONVEYOR FRAME AT THE TAIL ROLLER WITH 6" GROUND CLEARANCE, 6" SIDEBARDS, AND STANDARD LENGTH CONVEYOR IN DOWN POSITION.	
CHASSIS/SUPPORT FR. SIDEBARDS	10 INCHES
SIDEBARD HG. TUNNEL TO TAIL	8"
CONVEYOR LENGTH	STANDARD LENGTH
10' - 0" NOMINAL	
CONVEYOR CHAIN TAKE-UP DESIGN	CAM / REV. SPRING
CONVEYOR CHAIN TAKE-UP LOCKING	NO
CONVEYOR CHAIN GREASE TAKE-UP	YES
DESIGN FLEXBOARD MOUNTING	REVISION #3
PROD. STRUCTURE CONV. SDBD.	8 INCHES STANDARD
CONVEYOR LIFT CYLINDER	UNDER CONVEYOR
CONVEYOR CHAIN TUNNEL HEIGHT	4 INCHES
CONVEYOR ROOF STOPS	YES
CONVEYOR CHAIN	3-1/4" P - 13" SPACING
Char Group : 0000005000 Gathering Head Group	
GATHERING HEAD DRIVE	DUAL - STANDARD
DESIGN GATHERING HEAD TORQUE	INCREASED SUPPORT
INCREASE SUPPORT ADDED TO GATHERING HEAD TORQUE ARM BRACKET (00534977-0103).	
INBOARD HINGE ARRANGEMENT.	
GATH.HD. HINGE ARRANGEMENT	INBOARD HINGE
CONVEYOR CHAIN SPEED	402 F.P.M.
GATHERING DEVICE	3-1/8" THK CLA (6)
3-1/8" THICK C.L.A.'S WITH SIX (6) FINGERS ON EACH C.L.A.	
GATHERING HEAD DISC SPEED	45 R.P.M.
GATHERING HEAD SIDEBARD HEIGH	8" HIGH (1" THICK)
GATHERING HEAD PIVOT BUSHINGS	YES
HARD SURFACING	WELDED BEAD
Char Group : 0000006000 Chassis Group	
OPERATOR'S PLATFORM	NO ONBOARD OPER AREA
OPERATOR'S AREA IS ELIMINATED REQUIRING REMOTE CONTROL OPERATION.	
TRACTION SPEED	.43 M/S MAXIMUM
85 F.P.M. MAXIMUM	
CRAWLER FRAME DESIGNED FOR	(35 H.P. OR 50 H.P.)
TRACTION MOTORS	
MAIN FRAME SUB ASSEMBLY	TUBE STYLE

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
ROLLER DIA CRAWL CHAIN TAKE-UP	12-1/8" DIA.
DESIGN TRACTION PLANETARY	5 PLANET
RUB RAILS	BOTH SIDES
RETRIEVER HITCH	YES
CRAWLER CHAIN	STRAIGHT & CHEVRON
CHAIN HAS TWO UNIQUE TREADLINKS. ONE STRAIGHT CLEAT AND ONE SPLIT "V" STEEL GROUSER, THAT ALTERNATE IN THE CHAIN. MINE BOTTOM CONDITIONS: STABLE AND FAIRLY FLAT; ROCK OR OTHER HARD MATERIAL THAT WOULD MOST PROBABLY HAVE J FACTORS IN EXCESS OF 1000 AND NOT ABRASIVE.	
CRAWLER CHAIN WIDTH	20 INCHES
MACHINE IDENTIFICATION NUMBERS	NONE
Char Group : 0000008000 Brake Group	
TRACTION BRAKES	NO
Char Group : 0000009000 Hydraulic Group	
HYDRAULIC FLUID	HYDRAULIC OIL
HYDRAULIC FLUID FILTER	SPIN-ON 10 MICRON
HYD FLUID PRESSURE LINE FILTER	NONE
HYDRAULIC HOSE	FOUR SPIRAL WRAP
FOUR SPIRAL WRAP USED ON 1/2" AND LARGER HOSES, POWER FILL AND REMAINING HOSES TWO WIRE BRAID.	
HYDRAULIC HOSE ENDS	JIC CRIMP
HYDRAULIC FLUID PUMP VOLUME	28 G.P.M.
SCHROEDER HYD. TEST MATE ADAPT	NO
HYDRAULIC POWER TAKE-OFF (PTO)	NONE
HYDRAULIC PRESSURE GAUGE	TWO GAUGES
ONE 0-3000 P.S.I. GAUGE ON CONTROL VALVE INLET PORT AND ONE 0-600 P.S.I. GAUGE FOR HYDRAULIC PILOT PRESSURE.	
HYDRAULIC TANK POWER FILL	FROM DIVERSION VALVE
HYDRAULIC FLUID TEMP INDICATOR	NO
COUNTER BALANCE VALVE IN SHEAR	00531873 0000
DIRECT ACTING COUNTER BALANCE VALVE WITH BY-PASS VALVE. WILL NOT PERMIT MACHINE TO CUT BELOW GRADE. USES COUNTER BALANCE BY-PASS VALVE TO LIFT FRONT OF MACHINE.	
REPLACEMENT HOSES THRU MACHINE	(2) 1" & (2) 1/2" HOSES
HOSE ROUTED THRU MACHINE REAR TUNNEL.	

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Characteristic	Value
REAR TUNNEL.	
SHEAR CIRCUIT PILOT VALVE	NO
POS. GATH HD PRESS ASSIST CIR.	YES - STD.
OIL COOLERS	YES
Char Group : 0000010000 Dust Suppression Group	
WATER SPRAY DUST SUPPR. SYSTEM	NON-DIRECTIONAL
JOY STANDARD	
MOTOR COOLING PIPING	STANDARD PIPING
ONE WATER LINE RAN UP EACH SIDE OF MINER TO COOL CHASSIS COMPONENTS, CIRCULATE THROUGH GATHERING HEAD MOTORS INTO CUTTER HEAD BEFORE EXITING THROUGH SPRAYS. WATER COOLS ALL MOTORS AND CONTROLLERS BEFORE SPRAYING THROUGH DUST SUPPRESSION SPRAYS.	
SPRAY APPROVAL DRAWING	APPROVAL REQD.
A PRINT WILL BE SENT PRIOR TO SHIPMENT OF MACHINE. THIS PRINT WILL SHOW NOZZLE DIRECTION, SIZE, AND WATER CONSUMPTION DATA. IF APPROVED, THIS PRINT IS TO BE RETURNED TO PRODUCT SERVICES WITH CUSTOMER'S SIGNED ACCEPTANCE.	
WATER SPRAY DUST SUPPR. HOSE	TWO WIRE BRAID
WATER SPRAY SYSTEM HOSE ENDS	MPT CRIMP
DUST SUPP HOSE END& ADAPT MATL	STEEL
SPRAY NOZZLE MOUNTING	WELDED W/BUSHINGS
SPRAY BLOCKS ARE WELDED ON AND NOZZLES ARE INSTALLED IN BLOCKS VIA A REDUCER BUSHING.	
WATER FILTER	CONFLOW/RATCHET TYPE
CONFLOW MODEL #4678 REVERSE FLUSHING	
WATER FILTER WITH RATCHET TYPE FLUSH HANDLE.	
WATER FILTER LOCATION	R.H. SIDE
WASH DOWN HOSE VALVE & CONN.	L.H. SIDE
WATER PRESSURE GAUGE	NO
GAUGE TO INDICATE NOZZLE PRESS	R.H. SIDE ONLY
2-1/2" DIAMETER GAUGE	
NOTE: PRESSURE GAGE HOSE ATTACHED TO SPRAY BLOCK IN CUTTER FRAME.	
FLOW METER FOR INCOMING WATER	CONFLOW-70
CONFLOW CODE 452, 0-70 G.P.M., 1" N.P.T.	
EXTRA WATER SPRAY DUST SUPPR.	NONE
DUST SUPPRESS. SEGMENTED HOSES	YES
EXTRA WATER SPRAY FILTRATION	NONE

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
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Characteristic	Value
Char Group : 0000011000 Fire Suppression Group	
FIRE SUPPRESSION SYSTEM	STANDARD
WATER SPRAY	
FIRE SUPPRESSION HOSE	TWO WIRE BRAID
FIRE SUPPRESSION HOSE ENDS	MPT CRIMP
HOSES FOR FIRE SUPPRESSION ARE DOUBLE WIRE BRAID WITH CRIMPED ON FITTINGS.	
FIRE SUPPR. HOSE END ADAP MATL	STEEL
Char Group : 0000012000 Lubrication Group	
CUTTER HEAD OIL CIRCULATION	NO
GEAR CASE LUBRICATION SYSTEM	GEAR CASE POWER FILL
INCLUDES LUBE TANK LOW LEVEL INDICATOR LIGHT.	
GENERAL LOCATION OF THESE COMPONENTS ARE MOUNTED IN FRONT OF THE CONTROL VALVE ON THE TRACK FRAME ON A SINGLE SCRUBBER MACHINE.	
LUBRICATION HOSE	SINGLE WIRE BRAID
LUBRICATION HOSE ENDS	MPT REUSABLE
HOSES FOR LUBRICATION ARE SINGLE WIRE BRAID.	
Char Group : 0000013500 Attention Quality Control	
MADE IN AMER BY UNION EMPL.TAG	NO
Char Group : 0000015000 Catalogs and Service Manuals	
PARTS CATALOGS	3
LAMINATED PARTS CATALOGS	NONE
NO. OF 17" X 22" PRINT PACKS	NONE
NO. OF 17" X 22" LAM.PRINT PAC	NONE
TECHNICAL SERVICE MANUALS	3
LAMINATED TECH. SERVICE MANUAL	NONE
ELECTRONIC TECHNICAL MANUALS	NO
ELECTRONIC PARTS CATALOGS	NO
TRAINING SCHOOL	NO

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It L	Part/Doc No	Sht Description	Qty	Un	Ver
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Class Group: 0000001000 General Group

D	IL000046-0000	001 STATEMENT, CAUTION	1	EA	001
D	JCM00760-0116	001 ARRANGEMENT, GENERAL MACH.	1	EA	006
D	SK025318-0000	001 SPECIFICATION, GREASE	1	EA	001
D	SK025318-0001	001 SPEC. OIL, HYDRAULIC	1	EA	001
D	SK025318-0004	001 SPEC. OIL, TRANSMISSION	1	EA	001
D	SK025318-0004	002 SPEC. OIL, TRANSMISSION	1	EA	001
D	SK024122-0000	001 TORQUE VALUES, CAP SCREWS	1	EA	001
D	SK021855-0000	001 INST. METALLIC FACE SEAL	1	EA	001
D	SK064073-0000	001 PRECAUTIONS, CHAIN INSTR.	1	EA	001
D	SK024544-0002	001 INF. CUTTER BIT, JOY MINER	1	EA	001
D	JCM00832-0004	001 DIAGRAM, LIFTING AND BLOCK	1	EA	001
D	SK025502-0003	001 LIST, TRAIL CABLE, APPR'VD	1	EA	001
D	SK025211-0001	001 MAINT. DUST COLLECTOR	1	EA	001

Class Group: 0000002000 Electrical Group

D	Y 5000009440	001 DIAGRAM, WIRING, MACHINE	1	EA	004
D	Y 5000009440	002 DIAGRAM, WIRING, MACHINE	1	EA	004
D	Y 5000009440	003 DIAGRAM, WIRING, MACHINE	1	EA	004
D	Y 5000009440	004 DIAGRAM, WIRING, MACHINE	1	EA	004
D	5000009440	005 DIAGRAM, WIRING, MACHINE	1	EA	004
D	SK025273-0002	001 TOOLING AND CONNECTORS, CRIMP-ON	1	EA	001
D	SK024404-0000	001 SPLICES, CONTROL WIRE	1	EA	001
D	SK025529-0001	001 INSTRUCTIONS, GLAND ASSEMBLY PREPAR	1	EA	001
D	5000000260	001 DRAWING, SPLICING, CABLE, POWER	1	EA	001
D	CGA01000-0001	001 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
D	CGA01000-0001	002 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
D	CGA01000-0001	003 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
D	CGA01000-0001	004 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
D	CGA01000-0001	005 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
D	CGA01000-0001	006 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
D	CGA01000-0001	007 INFORMATION, GROMMET GLAND ASSEMBLY	1	EA	001
L	00700016-1166	EQUIPMENT, ELECTRICAL	1	EA	003
D	..CGA01000-0000	001 ACCESSORIES, GLAND, CABLE			
D	..CGA01000-0000	002 CABLE GLAND ASSEMBLIES			
D	..JCM00841-0098	001 EQUIPMENT, ELECTRICAL			
L	..00571631-0010	BOX, CONNECTION			
D	...00571631-0010	001 BOX, CONNECTION			
D	Y SK024299-0023	001 CHART, TROUBLE SHOOTING, TRACTION T	1	EA	001
L	00500184-4339	CONTROLLER, L.H.	1	EA	001
D	..00500184-4339	001 CONTROLLER, TRACTION			
L	..00500523-2595	PANEL, CONTROL			
D	...00500523-2595	001 PANEL, CONTROL			

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It L	Part/Doc No	Sht	Description	Qty Un Ver
L	00720001-0122		ACCESS., CABLE GLAND, L.H. CONTROLL	1 EA 001
D	..JCM00875-0051	001	ACCESS., GLAND, CABLE, CONTROLLER, TRACT	
L	00500184-4023		CONTROLLER, R.H.	1 EA 001
D	..00500184-4023	001	CONTROLLER, R.H.	
L	..00500523-2534		PANEL, CONTROL	
D	...00500523-2534	001	PANEL, CONTROL, (950V) (R.H. CONTROLLER)	
L	..00601878-0004		CONTACTOR, VACUUM, 1500 VAC, 320A	
D	...00601878-0004	001	CONTACTOR, VACUUM, 1500 VAC, 320A	
L	00720001-0124		ACCESS., CABLE GLAND, R.H. CONTROLL	1 EA 001
D	..CGA01000-0000	001	ACCESSORIES, GLAND, CABLE	
D	..CGA01000-0000	002	CABLE GLAND ASSEMBLIES	
D	..JCM00875-0053	001	ACCESS., GLAND, CABLE, CONTROLLER, R.H.	
L	00601555-0016		TRANSFORMER, CUTTER MOTOR FEEDBACK	1 EA 001
L	00601547-0075		HEATER, MOTOR, PUMP	2 EA 001
L	00601547-0081		HEATER, MOTOR, CONVEYOR	4 EA 001
L	00601547-0093		HEATER, MOTOR, TRACTION	6 EA 001
L	00601547-0026		HEATER, MOTOR, CUTTER	4 EA 001
L	00500183-0669		STATION, MASTER	1 EA 003
D	..00500183-0669	001	STATION, MASTER	
L	00703412-0915		ACCESS., CABLE GLAND, MASTER STATIO	1 EA 001
D	..CGA01000-0000	001	ACCESSORIES, GLAND, CABLE	
D	..CGA01000-0000	002	CABLE GLAND ASSEMBLIES	
D	..JCM00875-0005	001	CABLE GLAND ACCESSORIES MASTER STATION	
L	00720170-0021		INDICATOR, HYDRAULIC OIL	1 EA 003
D	..SK025438-0020	001	INDICATOR, LIGHT, OIL, HYDRAULIC, LOW	
L	100077484		INDICATOR, LOW LUBE OIL, LIGHT	1 EA 003
D	..100077484	001	KIT, MONITOR, LUBE, LEVEL	
L	00703457-0025		LINKAGE, CIRCUIT BREAKER	1 EA 001
D	..JCM00720-0027	001	LINKAGE, BREAKER, CIRCUIT	
L	00500524-0211		SWITCH, EMERGENCY STOP	2 EA 001
D	..00500524-0189	001	STATION, CONTROL	
L	00600128-1574		MOTOR, CUTTER	2 EA 001
D	..00600128-1574	001	MOTOR, CUTTER, 210HP	
L	00600128-0680		MOTOR, GATHERING HEAD	2 EA 003
D	..00600128-0680	001	MOTOR, GATH. HD., 65HP	
L	00600457-0012		MOTOR, PUMP	1 EA 001
D	..00600457-0012	001	MOTOR, 40H.P., 550/950V./60HZ.	
L	00600510-0001		MOTOR, TRACTION	2 EA 003
D	..00600510-0001	001	MOTOR, TRACTION, 50HP	
L	00500792-0798		FAN, DUST COLLECTOR	1 EA 001
D	..SK025063-0004	001	REPAIR PARTS	
L	100060813		CONTROL, REMOTE	1 EA 003
D	..5000004216	001	KIT, CABLE, REMOTE CONTROL	
D	..5000004216	002	KIT, CABLE, REMOTE CONTROL	
D	..5000005191	001	Kit, Cable, Remote Control	

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It L	Part/Doc No	Sht	Description	Qty	Un	Ver
L	..100049824		Box,Backup,Battery			
D	...100049824	001	Box,Backup,Battery			
L	..100052342		Box, Demultiplexer			
D	...100052342	001	Box, Demultiplexer			
L	..00570452-0135		CABLE, ASSEMBLED			
D	...00570452-0135	001	CABLE, ASSEMBLED			
L	..00570452-0136		CABLE, ASSEMBLED			
D	...00570452-0136	001	CABLE, ASSEMBLED			
L	00720066-0174		MOUNTING, REMOTE CONTROL	1	EA	001
D	..SK025431-0170	001	CONTROL, REMOTE, CABLE, MOUNTING			
D	Y 5000005625	001	CHART, TROUBLE SHOOTING, REMOTE CON	1	EA	001
L	100051480		LOOSE PARTS, REMOTE	1	EA	001
D	..100051480	001	Kit,Remote,Loose Parts			
D	..5000006214	001	LIGHTWEIGHT REMOTE REPLACEMENTS PARTS			
L	100084040		MONITOR, METHANE	1	EA	001
L	00720204-0154		MOUNTING, METHANE MONITOR	1	EA	004
D	..SK025417-0160	001	MOUNTING, MONITOR, METHANE			
D	..SK025417-0184	001	MOUNTING, MONITOR, METHANE			
L	00720163-0008		HOURLMETER	1	EA	001
D	..SK025434-0007	001	HOURLMETER			
L	00703502-0035		AMMETERS	1	EA	001
D	..SK025221-0452	001	AMMETERS			
L	100010309		SYSTEM, ILLUMINATION (FACE LIGHTING	1	EA	001
D	..SK025436-0007	001	ILLUMINATION, LIGHTING, FACE			
D	..SK025436-0262	001	ILLUMINATION, LIGHTING, FACE			
L	00720112-0069		ELECTRICAL PARTS, DUST COLLECTOR	1	EA	003
D	..SK025429-0061	001	COLLECTOR, DUST			
L	..00601505-0097		RELAY, SWITCH, MERCURY, 110V/60HZ			
D	...00601505-0097	001	RELAY, SWITCH, MERCURY			
L	..00601824-0001		CONTACTOR, DPC, 35A			
D	...00601824-0001	001	CONTACTOR			
L	00720026-0030		BOX, JUNCTION, TRAILING CABLE	1	EA	001
D	..SK025427-0030	001	BOX, CONNECTION, CABLE, TRAILING			
L	..00571631-0004		BOX, CONNECTION			
D	...00571631-0004	001	BOX, CONNECTION			
L	00700049-0857		ACCESS., TRAILING CABLE	1	EA	001
D	..JCM00621-0162	001	ACCESSORIES, CABLE, TRAILING			
L	00703500-4679		STAND-OFF, TRAILING CABLE	1	EA	001
D	..SK025221-0017	001	TRAILING CABLE SUPPORT			
L	00720302-0015		ELECTRICAL PARTS, NO ONBOARD OPER AR	1	EA	001
D	..SK025444-0015	001	STATION, OPERATOR'S, ENCLOSED			
L	100060219		SPECIAL REQUIREMENT-ELECTRICAL	1	EA	003
D	..100060219	001	Kit,Gland			
D	..100060219	002	Kit,Gland			

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Class Group: 0000003000 Cutter Group					
L	00533044-2020	FRAME, CUTTER	1	EA	003
L	00703482-0074	MOUNTING, CUTTER HEAD	1	EA	003
D	..JCM00871-0073	001 MOUNTING, CUTTER HEAD			
L	00483007-0027	SPRAYS, WATER, CUTTER FRAME	1	EA	003
D	..SK025387-0022	001 SPRAY, WATER, FRAME, CUTTER			
L	00534854-0073	CASE, GEAR, CUTTER	1	EA	003
D	..00534854-0073	001 CASE, GEAR, CUTTER			
D	..00534854-0073	002 CASE, GEAR, CUTTER			
L	..00534461-2007	CASE, HEAD, DRUM			
D	...00534461-2007	006 CASE, HEAD, DRUM			
L	00703500-9280	SPRAYS, WATER, CUTTER HEAD	1	EA	001
D	..SK024773-0289	001 PARTS REQ'D.			
L	100036331	DRIVE PARTS, CUTTER	1	EA	003
D	..100036331	001 Kit, Drive, Cutter			
L	..00570598-0004	PIN			
D	...00570598-0004	001 PIN			
L	00571659-0030	CLUTCH, MOTOR, CUTTER	2	EA	001
D	..00571659-0030	001 CLUTCH, LIMITING, TORQUE			
L	00572001-0330	DRUM, CUTTER, R.H.	1	EA	003
L	00572002-0330	DRUM, CUTTER, L.H.	1	EA	003
L	00572003-0373	DRUM, CUTTER, CENTER	1	EA	003
D	JCM00844-0699	001 REPLACEMENT PARTS, OUTER DRUMS	1	EA	003
D	JCM00844-1130	001 REPLACEMENT PARTS, CENTER DRUM	1	EA	003
L	00703440-0352	MOUNTING, DRUM, CUTTER	1	EA	003
D	..JCM00710-0102	001 MOUNTING, DRUM, CUTTER, SOLID HEAD			
L	00500140-0543	CYLINDER, SHEAR	2	EA	001
D	..00500140-0543	001 CYLINDER			
L	..00534613-0023	VALVE, CHECK			
D	...00534613-0020	001 VALVE, CHECK			

It L	Part/Doc No	Sht Description	Qty	Un	Ver
Class Group: 0000004000 Conveyor Group					
L	100036694	FRAME, SUPPORT	1	EA	001
L	100040626	SIDEBOARDS, FRAME, SUPPORT	1	EA	001
D	..5000003023	001 KIT, CONVEYOR, SUPPORT			
L	00507090-2090	FRAME, CONVEYOR	1	EA	001
L	00483004-0057	SIDEBOARDS, FRAME, CONVEYOR	1	EA	001
D	..SK025382-0037	001 SIDEBOARDS, FRAME, CONVEYOR			
L	100019852	STOPS, ROOF, CONVEYOR	1	EA	002
D	..100019852	001 Kit, Stops			
L	00720513-0021	TAKE-UP, GREASE, CONVEYOR	1	EA	001
D	..SK025547-0013	001 MOUNTING			
L	00700738-0380	MOUNTING, FRAME, CONVEYOR AND SUPPO	1	EA	001

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D	..JCM00766-0086	001 MOUNTING, FRAME, CONVEYOR & SUPPORT,14CM	
L	100075079	MOUNTING, TUNNEL	1 EA 001
D	..5000007083	001 TUNNEL, CHAIN, CONVEYOR	
L	00531840-0004	ROLLER, TAIL, CHAIN, CONVEYOR	1 EA 001
D	..00531840-0004	001 ROLLER, TAIL, CHAIN, CONVEYOR	
L	00533854-0005	PLATE, SLIDE, ROLLER, TAIL	1 EA 001
L	100031032	SIDEBOARDS, FLEX	2 EA 001
L	00500140-3339	CYLINDER, SWING, CONVEYOR	1 EA 001
D	..00500140-3297	001 CYLINDER	
L	00500112-0554	CYLINDER, ELEVATE, CONVEYOR	2 EA 001
D	..00500112-0554	001 cylinder, elevate, conveyor	
L	..00534613-0023	VALVE, CHECK	
D	...00534613-0020	001 VALVE, CHECK	
L	00703481-0017	MOUNTING, CONVEYOR ASSEMBLY	1 EA 001
D	..JCM00870-0018	001 MOUNTING, CONVEYOR ASSEMBLY	
L	00509192-0060	CHAIN, CONVEYOR (3-1/4 P)	1 EA 001
D	..00509192-0000	001 CHAIN, CONVEYOR	
L	00509192-0056	CHAIN, CONVEYOR (3-1/4 P)	3 EA 001
D	..00509192-0000	001 CHAIN, CONVEYOR	

Class Group: 0000005000 Gathering Head Group

L	100039148	FRAME, GATHERING HEAD	1 EA 005
L	100079207	ASSEMBLY, GATHERING HEAD	1 EA 001
D	..100079207	001 KIT,GATHERING HEAD	
D	..100079207	002 KIT,GATHERING HEAD	
L	100035854	SHOES, GATHERING HEAD	1 EA 001
D	..100035854	001 Kit,Mounting,Shoe	
L	100071253	SPROCKET, FOOTSHAFT, GATHERING HEAD	1 EA 001
L	100010459	CASE, GEAR, GATH. HEAD, L.H.	1 EA 001
D	..100010459	001 Gear Reducer,Gathering Head	
D	..100010459	002 Gear Reducer,Gathering Head	
L	100010457	CASE, GEAR, GATH. HEAD, R.H.	1 EA 001
D	..100010457	001 Gear Reducer,Gathering Head	
D	..100010457	002 Gear Reducer,Gathering Head	
L	00700075-0288	MOUNTING, GATHERING HEAD	1 EA 001
D	..JCM00707-0173	001 MOUNTING, GATHERING HEAD	
L	00500112-0285	CYLINDER, ELEVATE, GATHERING HEAD	2 EA 001
D	..00500112-0285	001 CYLINDER, ELEVATE, GATHERING HEAD	

Class Group: 0000006000 Chassis Group

L	03567704-0078	CHASSIS	1 EA 006
L	00483001-0176	BUMPER, CHASSIS	1 EA 006
L	00483002-0037	RUNNERS, TRACK FRAME	1 EA 001
D	..SK025377-0036	001 RUNNERS, TRACK FRAME	

* 100010457 RH Gathering HEAD
 * CAN use RH 572019-0120 LH -0121

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L	00703502-0225		MTG JUNCT. BOX CUTTER MTR.	1 EA 001
D	..SK025221-0498	001	MODIFICATION, CUTTER MOTOR	
L	00720220-0010		PROP, SAFETY, CONVEYOR	1 EA 001
D	..SK025390-0018	001	PROP, SAFETY, CONVEYOR	
L	00483010-0009		RAILS, RUB, R.H.	1 EA 006
D	..JCM00771-0070	001	RAIL, RUB, R.H.	
L	00483010-0015		RAILS, RUB, L.H.	1 EA 006
D	..JCM00771-0073	001	RAIL, RUB	
L	00483005-0009		SIDEBOARDS, CHASSIS	1 EA 001
L	00570425-0008		HOOKS TRAIL CABLE ADDITION	1 EA 001
L	00483009-0035		DUCTWORK (STRUCTURAL) DUST COLLECT	1 EA 006
D	..JCM00751-0099	001	COLLECTOR, DUST	
L	00703483-0010		MOUNTING, STABILIZER	1 EA 001
D	..JCM00872-0014	001	MOUNTING, STABILIZER	
L	00500140-0488		CYLINDER, STABILIZER	2 EA 001
D	..00500140-0488	001	cylinder	
L	00703500-4797		PROPS, SAFETY, FRAME, CUTTER	1 EA 001
D	..SK024774-0118	001	STOPS, CYLINDER, SHEAR	
L	03069629-0143		TUBE, DRAWING	1 EA 001
L	00703500-7406		MTG. TRAC MOTOR TO REDUCER	1 EA 001
D	..JCM00867-0000	001	TRACTION MOTOR MOUNTING	
L	00507048-0056		REDUCER, TRACTION, R.H.	1 EA 001
D	..00507048-0056	001	GEAR, SPUR, 6DP	
L	00507048-0057		REDUCER, TRACTION, L.H.	1 EA 001
D	..00507048-0056	001	GEAR, SPUR, 6DP	
L	00500693-0058		TAKE-UP, CHAIN, CRAWLER	2 EA 001
D	..00500693-0058	001	TAKE-UP, CHAIN, CRAWLER	
D	..SK021855-0000	001	INSTALLATION, METALLIC FACE SEAL	
L	..100052050		Kit,Hardware	
D	...00500693-0058	001	TAKE-UP, CHAIN, CRAWLER	
L	00530735-0037		PLANETARY, TRACTION	2 EA 001
D	..00530735-0037	001	PLANETARY , TRACTION	
L	..100052065		Kit,Hardware	
D	...00530735-0037	001	PLANETARY , TRACTION	
L	00720493-0007		DRIVE PARTS, TRACTION	1 EA 001
D	..JCM00747-0034	001	DRIVE PARTS, TRACTION, 14CM	
L	00509129-0017		CHAIN, CRAWLER	2 EA 001
D	..00509129-0000	001	CHAIN, CRAWLER	
L	00509129-0022		CHAIN, CRAWLER	2 EA 001
D	..00509129-0000	001	CHAIN, CRAWLER	
L	00703502-0045		DUST COLL FINAL ASSY PARTS	1 EA 006
D	..JCM00751-0099	001	COLLECTOR, DUST	
D	..SK024774-0042	001	SILENCER, FAN, PARTS	
L	00571379-0212		FILTER, DUST COLLECTOR	1 EA 001

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L	00570038-0647		DUCT, CHASSIS, EXTRA	1 EA 007
Class Group: 0000009000 Hydraulic Group				
D	JCM00790-0109	001	SCHEMATIC, HYDRAULIC SYSTEM	1 EA 003
D	5000002412	001	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	002	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	003	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	004	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	005	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	006	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	007	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	008	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	009	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	010	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	011	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	012	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	013	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	014	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	015	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	016	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	017	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	018	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	019	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	020	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	021	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	022	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	023	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
D	5000002412	024	FITTINGS, HYDRAULIC FORM (8698)	1 EA 001
L	100093562		PIPING, PUMP CIRCUIT	1 EA 003
D	..PD005038-0102	001	PIPING, PUMP	
L	..X0003043-0015		VALVE, CHECK	
D	...X0003043-0009	001	VALVE, CHECK	
L	00720475-0068		PIPING, SHEAR	1 EA 001
D	..PD004696-0043	001	PIPING, SHEAR	
L	..00571686-0000		BLOCK, FILTER, RESTRICTOR	
D	...00571686-0000	001	BLOCK, FILTER, RESTRICTOR	
L	01567456-0000		ELEMENT, FILTER, RESTRICTOR	1 EA 001
L	00720484-0012		PIPING, GATHERING HEAD	1 EA 001
D	..PD004695-0011	001	PIPING, GATHERING HEAD	
L	..X0003043-0009		VALVE, CHECK	
D	...X0003043-0009	001	VALVE, CHECK	
L	00720468-0016		PIPING, CONVEYOR	1 EA 001
D	..PD004694-0010	001	PIPING, CONVEYOR	
L	..A0032579-0000		ELBOW, ORIFICE, ADJUSTABLE	
D	...A0032579-0000	001	ELBOW, ORIFICE, ADJUSTABLE	

Sales Order	Item	Purchase Ord	Machine Model	Serial Number
954017	1	Signed D-114	14CM15-11CX	JM5405

Order BOM				
It L	Part/Doc No	Sht	Description	Qty Un Ver
L	00720466-0018		PIPING, STABILIZER	1 EA 001
D	..PD004697-0009	001	PIPING, STABILIZER	
L	00506248-0040		PUMP, HYDRAULIC	1 EA 001
L	00720100-0004		DRIVE PARTS, PUMP, HYDRAULIC	1 EA 001
D	..JCM00742-0036	001	HYD. PUMP DRIVE PARTS	
L	03011741-0036		GAUGE, LEVEL, HYDRAULIC FLUID	1 EA 001
L	00532520-0004		FILTER, HYDRAULIC FLUID	1 EA 001
D	..00532520-0004	001	FILTER	
L	01562673-0002		ELEMENT, FILTER, HYDRAULIC FLUID	1 EA 001
	(* CHANGE AFTER RUN-IN *)			
L	00503043-0019		VALVE, CHECK, SPIN-ON FILTER	1 EA 001
L	03069874-0002		VALVE, SOLENOID, DUST COLLECTOR	1 EA 001
D	..03069874-0002	001	VALVE, RELIEF, PILOT, DUST COLLECTOR	
L	..00570553-0002		CARTRIDGE, SOLENOID (N/C)	
D	...00570553-0002	001	CARTRIDGE, SOLENOID (N/C)	
L	00506203-0004		VALVE, DIVERSION, POWER FILL	1 EA 001
D	..00506203-0004	001	VALVE, DIVERSION	
L	03045090-0002		VALVE, RELIEF, POWER FILL	1 EA 001
D	..A0045090-0000	001	VALVE, RELIEF	
L	00531601-0011		VALVE, REDUCING, PRESSURE, GATH. HD CI	1 EA 001
D	..00531601-0011	001	VALVE, REDUCING, PRESSURE	
L	00531873-0013		VALVE, SEQUENCE, GATHERING HEAD CIR	1 EA 001
D	..00531873-0013	001	VALVE, SEQUENCE	
L	03047404-0009		GAUGE, PRESSURE, GATHERING HEAD	1 EA 001
L	00506230-0032		VALVE, CONTROL	1 EA 001
D	..00506230-0032	001	VALVE, CONTROL	
L	..00506205-1328		INLET	
D	...00506205-0670	001	VALVE	
L	..00506205-0668		SECTION, VALVE	
D	...00506205-0668	001	SECTION, VALVE	
L	..00506205-0971		VALVE, CONTROL, SECTION	
D	...00506205-0971	001	VALVE	
L	03047404-0014		GAUGE, PRESSURE, PILOT	1 EA 001
L	00506205-1930		HANDLE, CONTROL VALVE (#1)	1 EA 001
D	..00506205-1930	001	HANDLE, CONTROL VALVE	
L	00700054-0361		PLATE, NAME, CONTROL VALVE	1 EA 001
D	..SK025058-0029	001	PLATE, NAME, CONTROL VALVE	
L	00531873-0000		VALVE, OVERCENTER	1 EA 001
D	..00531873-0000	001	VALVE, SEQUENCE	
L	00534614-0008		VALVE, DIVERSION, SHEAR CIRCUIT	1 EA 001
D	..00534614-0008	001	VALVE, SELECTOR	
L	00530553-0017		FILTER, HYDRAULIC, REMOTE CONTROL	1 EA 003
D	..00530553-0017	001	filter	
L	01565310-0005		ELEMENT, FILTER, REMOTE CONTROL	1 EA 003

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954017	1	Signed D-114	14CM15-11CX	JM5405

Order BOM				
It L	Part/Doc No	Sht	Description	Qty Un Ver
L	00532170-0058		VALVE, SOLENOID, REMOTE CONTROL	1 EA 001
D	..00532170-0058	001	VALVE, SOLENOID	
L	..00570553-0002		CARTRIDGE, SOLENOID (N/C)	
D	...00570553-0002	001	CARTRIDGE, SOLENOID (N/C)	
L	03047404-0009		GAUGE, PRESSURE, HYDRAULIC	1 EA 001
L	00720162-0009		HOSES, REPLACEMENT, CHASSIS	1 EA 001
Class Group: 0000010000 Dust Suppression Group				
D	JCM00874-0030	001	APPROVAL, SPRAY SYSTEM	1 EA 001
L	100093643		PIPING, WATER	1 EA 003
D	..5000009150	001	PIPING, WATER	
L	00572100-0003		FILTER, WATER	1 EA 001
D	..00572100-0003	001	STRAINER	
L	00534048-0004		METER, FLOW, WATER	1 EA 001
L	03047404-0014		GAUGE, PRESSURE, WATER, SPRAY BLOCK	1 EA 001
L	00703487-0046		NOZZLE, SPRAY, DUST SUPPRESSION	1 EA 001
L	00533872-0001		VALVE, PILOT, WATER	1 EA 001
D	..00533872-0001	001	VALVE, PILOT	
L	03047404-0016		GAUGE, WATER, PRESSURE, DUST COLLEC	1 EA 001
L	00534428-0002		VALVE, PRESSURE REDUCING, DUST COLL	1 EA 001
D	..00534428-0002	001	VALVE, REDUCING, PRESSURE	
L	00533872-0001		VALVE, PILOT, WATER, DUST COLLECTOR	1 EA 001
D	..00533872-0001	001	VALVE, PILOT	
L	03055280-0011		COOLER, HYDRAULIC OIL	1 EA 001
L	00571961-0004		PUMP, WATER, DUST COLLECTOR	1 EA 001
D	..00571961-0004	001	PUMP, WATER	
Class Group: 0000011000 Fire Suppression Group				
L	100035393		PIPING, FIRE SUPPRESSION	1 EA 001
D	..5000002465	001	PIPING, FIRE SUPPRESSION	
L	00533872-0002		VALVE, PILOT, WATER, (FIRE)	1 EA 001
D	..00533872-0002	001	VALVE, WATER, 2 WAY	
L	A0063608-0000		VALVE, SHUT-OFF, FIRE SUPPRESSION	1 EA 001
D	..A0063608-0000	001	VALVE, CONTROL	
L	00503246-0016		ACCUMULATOR, BATTERY-BACKUP, FIRE,	1 EA 001
Class Group: 0000012000 Lubrication Group				
D	LD000778-0059	001	DIAGRAM, LUBRICATION	1 EA 001
L	00720474-0126		PIPING, LUBRICATION	1 EA 001
D	..PD005010-0034	001	PIPING, LUBRICATION	
D	..PD005010-0034	002	PIPING, LUBRICATION	
L	00532520-0004		FILTER, LUBRICATION SYSTEM	1 EA 001
D	..00532520-0004	001	FILTER	
L	01562673-0002		ELEMENT, FILTER, LUBE SYSTEM	1 EA 001

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(* CHANGE AFTER RUN-IN *)

L	01069410-0224		MOUNTING, FILTER, LUBRICATION SYSTE	1	EA	001
L	00506203-0004		VALVE, DIVERSION, LUBE SYSTEM #1	1	EA	001
D	..00506203-0004	001	VALVE, DIVERSION			
L	00570155-0003		VALVE, DIVERSION, LUBE SYSTEM #2	1	EA	001
L	00534614-0002		VALVE, DIVERSION, LUBE SYSTEM #3	7	EA	001
D	..00534614-0002	001	VALVE, SELECTOR			
L	00534060-0002		VALVE, RELIEF, LUBE SYSTEM #1	1	EA	001
L	03045090-0002		VALVE, RELIEF, LUBE SYSTEM #2	1	EA	001
D	..A0045090-0000	001	VALVE, RELIEF			
L	00503043-0026		VALVE, RELIEF, LUBE SYSTEM #3	8	EA	001
L	00506216-0034		PUMP, MOTOR, LUBE SYSTEM	1	EA	001
D	..00506216-0034	001	PUMP, MOTOR			

Class Group: 0000013000 Loose Parts Group

L	00700045-0222		LIST, TOOL	1	EA	001
L	100072467		PUNCH, SLEEVE	1	EA	001
D	..SK064235-0004	001	SLEEVE EXTRACTOR INSTRUCTIONS			
L	01452026-0000		PLIERS, RETAINING RING	1	EA	001
L	00481289-0000		WRENCH, CLUTCH, CUTTER MOTOR	1	EA	001
L	01452058-0002		WRENCH, NOZZLE, SPRAY	1	EA	001
L	00720576-0013		MANUAL & CALIBRATION KIT, METH. MON	1	EA	001

Class Group: 0000013500 Attention Quality Control Dept

L	00700054-0366		LIST, PLATE, NAME	1	EA	001
D	..SK025058-0031	001	NAME PLATES			
D	..SK025058-0031	002	NAME PLATES			
L	01069448-3158		PLATE, SERIAL NUMBER	1	EA	001
L	01567337-0001		HOLDER, PLATE	1	EA	001
L	00700054-0272		PLATE, NAME, CAUTION, GEAR CASE	1	EA	001

Class Group: 0000014000 Attention Traffic Department

L	00810918-0000		TAPE, REFLECTIVE	10	M	001
D	JCM00736-0000	001	LOCATIONS, REFLECTIVE TAPE	1	EA	001
L	00820044-0000		SPECIFICATION, PAINT	1	L	001
N			Loose Parts (From Assembly Floor)	1	EA	

Class Group: 0000015000 Catalogs and Service Manuals

L	COMPLETE		CATALOG, PARTS	3	EA	001
D	5000005003	001	MAN, REMOTE CONTROL SYSTEM	3	EA	001

***** End of Sales Order *****