

#97121 Rework

YRSPH W/65" AH

KRUCKE Berg Farms

Horse Ranch

"ORIGINAL"

#1621

1997

Pin # /

Pin	1	92	YELLOW	CB 1 TO HAZARD STAT TO SWITCH
	2	91	GREEN	CB 2 TO RIGHT WORK LIGHT RELAY & SWITCH
	3	90	ORANGE	CB 3 TO LEFT WORK LIGHT RELAY & SWITCH
	4	017	BLACK	CB 4 TO BRAKE, STEER, WARNING.
	5	060	BLACK	
	6	89	YELLOW	CB 5 TO MASTER SWITCH
	7	199	BLACK	H/L SWITCH TO RELAY
	8	0012	BLACK	CB 7 TO 2-SPEED & WHITE IN CYBERTECH HANDLE
	9	0017	BLACK	BRAKE SWITCH TO BRAKE SOLENOID (BLACK/BLUE 17)
	10	88	BROWN	CB 11 TO ROAD & BACK UP RELAYS & SWITCH
	11	85	WHITE	CB 12 TO ACTUATOR SWITCHES
	12			
	13	28	PURPLE	AUTO SWITCH TO #10 ON TIMER
	14	27	WHITE	MANUAL SWITCH TO #9 ON TIMER TO SOLENOID
	15	26	BLUE	MANUAL SWITCH TO #8 ON TIMER TO SOLENOID
	16	46	BROWN	VINE BELT ACTUATOR
	17	45	GREEN	VINE BELT ACTUATOR
	18	39	WHITE	VINE BELT REVERSE
	19	33	YELLOW	PRIMARY VIBRATOR ACTUATOR
	20	32	RED	PRIMARY VIBRATOR ACTUATOR
	21	70	RED	SIDE CONVEYOR FLOW CONTROL ACTUATOR
	22	69	PURPLE	SIDE CONVEYOR FLOW CONTROL ACTUATOR
	23	68	WHITE	REAR STEER SOLENOID
	24	83	PURPLE	COMMON ON REAR STEER SENSORS

1997

PLUG #2

Pin.	1	153	BROWN	LEFT PRIMARY REVERSE
	2	154	ORANGE	RIGHT PRIMARY REVERSE
	3	052	BLACK	PARK SWITCH TO 14 (5) N.O. REDD015 TO SMAX SWITCH TO SOL
	4	23	RED/ORANGE	HYDRAULIC OIL TEMPERATURE SENSOR (TO YELLOW 752) GAUGE
	5	07	RED/BLACK	TACHOMETER SENSOR (TO DARK GREEN 602) GAUGE
	6	155	GREEN	SECONDARY/DEVINER REVERSE
	7	54	BROWN	RIGHT TURN SIGNAL
	8	53	YELLOW	LEFT TURN SIGNAL
	9	06	BROWN	BACK UP LIGHT SWITCH TO RELAY
	10	036	BLUE	RIGHT WORK LIGHT SWITCH TO RELAY
	11	034	BLACK	LEFT WORK LIGHT SWITCH TO RELAY
	12	01	BLACK	4X4 SWITCH TO RELAY
	13	012	BLACK/RED	2-SPEED SWITCH TO SOLENOID
	14	021	BROWN/BLUE	TRASH FAN SWITCH TO SOLENOID
	15	011	BROWN/BLACK	PRIMARY SWITCH TO SOLENOID
	16	05	YELLOW	SIDE CONVEYOR SWITCH TO SOLENOID
	17	016	BROWN/RED	CROSS CONVEYOR SWITCH TO SOLENOID
	18	82	RED	SECONDARY CONVEYOR SWITCH TO SOLENOID
	19			
	20	15	YELLOW/RED	LIGHT TO FAN FILTER #3
	21	03	BLUE	LIGHT TO GROUND DRIPE FILTER #3
	22	020	YELLOW/BLUE	BZL-12 SWITCH TO HYDRAULIC OIL LEVEL SENSOR
	23	61	WHITE	CROSS CONVEYOR PRESSURE SWITCH "N.O." TO BZL 562
	24	022	BLACK/ORANGE	SORTING CONVEYOR SWITCH TO SOLENOID
	25	143	ORANGE	CB #7 TO HYDRO NEUTRAL SWITCH #1
	26	141	ORANGE	HYDRO NEUTRAL SWITCH #2 TO PANEL RB
	27	094	PURPLE	ROAD LIGHT SWITCH TO RELAY
	28	607	GREEN	SPEEDOMETER TO 4X MULTIPLIER
	29	149	RED	SECONDARY SPEED ACTUATOR
	30	150	YELLOW	SECONDARY SPEED ACTUATOR
	31	145	ORANGE	PRIMARY ACTUATOR (RIGHT)
	32	146	BLUE	PRIMARY ACTUATOR (RIGHT)
	33	147	ORANGE	HUMP SHAFT ACTUATOR
	34	148	BLUE	HUMP SHAFT ACTUATOR
	35	151	BLACK	LEFT PRIMARY ACTUATOR
	36	425	GREEN	HIGH TEMPERATURE IN PRIMARY CIRCUIT TO BZL-12 (BROWN 123)
	37	152	RED	LEFT PRIMARY ACTUATOR

1997

PLUG 3 LARGE 16 PIN

PIN #1	RED	18	POWER TO WIPER	
2	RED	12	POWER TO RADIO	
3	PURPLE	705	OIL PRESSURE TO GAUGE	ORANGE/RED 14
4	BLACK	20	GROUND	
5	BROWN	503	LIGHT SWITCH ROAD POSITION TO RELAY	
6	RED	22	POWER TO DOME-PANEL-LIGHT SWITCH-RADIO MEMORY	
* 7	BROWN	507	CAB FIELD LIGHT RELAY TO CAB FIELD LIGHTS	
8	YELLOW	755	HYDRAULIC OIL TEMPERATURE WARNING LIGHT	
9	ORANGE	924	OIL PRESSURE LIGHT TO SENDER	ORANGE/BLUE 19
* 10	BROWN	526	CAB ROAD LIGHT RELAY TO CAB LIGHTS	
11	BLUE	652	FUEL GAUGE TO SENDER	WHITE 58
12	DARK BLUE	653	WATER LIGHT TO SENDER	ORANGE/RED 9
13	DARK GREEN	617	WATER GAUGE TO SENDER	ORANGE 4
14	BROWN	504	LIGHT SWITCH FIELD POSITION TO RELAY	
* 15	BLACK	156	#15 C.B. TO OUTLET BOX 12G # BLACK	
16				

* LARGE PINS

PLUG #4

	PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SW1			2	6	BLACK												
	1		3	6	RED												
	2		4	4	ORANGE												
	2		5	4	BLUE												
	3		6	2	BLACK/WHITE												
	3		7	2	RED/WHITE												
	4		8	0	BLUE/WHITE												
	4		9	0	GREEN/WHITE												
	5		10	6	ORANGE/BLACK												
	5		11	8	BLUE/BLACK												
	6		12	10	RED/BLACK												
	6		13	10	GREEN/BLACK												
			14		WHITE/BLACK												
			15														
			16														

21(4) TO PIN 4 ON GRADE PANEL 12VDC

STONE BOX

STONE BOX

OUTER BOOM

OUTER BOOM

LIFT

LIFT

SWING

SWING

COULTERS

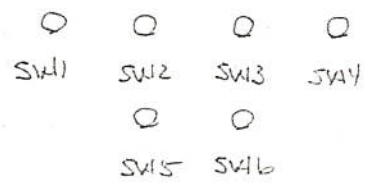
COULTERS

BLADE

BLADE

WHITE - 12VDC TO H/LC

GREEN - $\frac{1}{2}$



1997

Pin	Color	Column Plug	Description
1	RED	11	STB7 HOT SIDE
2			
3	RED	13	STB7 IGNITION SIDE
4	BROWN	502	POWER FROM TURN SIGNAL START 502 TO 507
5	WHITE	104	TO RELAY RA START RELAY
14	BLACK	0	CLUTCH SWITCH TO PARK BRAKE SWITCH 3(2) N6,
15	RED	0015	CLUTCH SWITCH TO BRAKE SWK SWITCH TO CLUTCH SV4 17
18	BROWN	522	RIGHT TURN SIGNAL 522 TO 512 BROWN 54
20	YELLOW	523	LEFT TURN SIGNAL 523 TO 513 YELLOW 53

GAUGE PANEL

Pin	Description	Wiring
1	OIL PRESSURE GAUGE	PURPLE 705 TO ORANGE/RED 14
2	GROUND	BLACK 20 TO CAB GROUND
3	INTERNAL LAMPS	BROWN 526
4	IGNITION & BATTERY	RED 21 TO FUSE #7
5	TEMPERATURE GAUGE	DARK GREEN 617 TO ORANGE 4
6	FUEL GAUGE	BLUE 652 TO WHITE 58
7		
8		
* 9	WATER TEMPERATURE LIGHT	DARK BLUE 653 TO ORANGE/BLACK 9
* 10	OIL PRESSURE LIGHT	ORANGE 924 TO ORANGE/BLUE 19

* 9 TO BZ6562 BLUE 653
 SENSOR LIGHT } 1 12VDC RED 21

* 10 TO BZ6562 ORANGE 924
 LIGHT } 1 12VDC RED 21

BLACK	1	4X4 TO RELAY	PANEL
	12	RED 2-SPEED TO 13(2)	13(2)
	17	BLUE BRAKE TO BRAKE SOLENOID	9U]
	22	ORANGE SORTING CONVEYOR SOLENOID	24(2)
RED	2	TO RELAY RA TO START SOLENOID	PANEL
	7	BLACK TACHOMETER TO 5(2)	5(2)
	18	BLUE TACHOMETER SENSOR TO GROUND	PANEL
	23	ORANGE HYDRAULIC OIL TEMPERATURE SENSOR	4(2)
BLUE	3	GROUND DRIVE FILTER #3 TO 21(2)	21(2)
	8	BLACK GROUND DRIVE FILTER #1 TO #4 C.B.	PANEL
	12	RED ST 87 IGNITION SIDE TO FUEL SHUT OFF SOL	PANEL
	24	ORANGE A/C PUMP ORANGE 214 TO A/C CLUTCH	
ORANGE	4	WATER TEMPERATURE SENSOR TO GAUGE	13(3)
	9	BLACK WATER TEMPERATURE SENSOR TO LIGHT	12(3)
	14	RED OIL PRESSURE SENDER TO GAUGE	3(2)
	19	BLUE OIL PRESSURE SENDER TO LIGHT	9(2)
YELLOW	5	SIDE CONVEYOR SOLENOID	16(2)
	10	BLACK FAN FILTER TO #4 C.B. TO #1	PANEL
	15	RED FAN FILTER TO #3	20(2)
	20	BLUE HYDRAULIC OIL LEVEL SENSOR TO BUZZER	22(2)
	25	ORANGE HYDRAULIC OIL LEVEL SENSOR TO #4 C.B.	PANEL
BROWN	6	BACK UP LIGHTS	PANEL
	11	BLACK PRIMARY CONVEYOR SOLENOID	15(2)
	16	RED CROSS CONVEYOR SOLENOID	17(2)
	21	BLUE TRASH FAN SOLENOID	14(2)

DTS 0373
 SORT CROSS SEC SIDE →
 REAR

DTS-0150
 2 SP. BRAKE 4X4
 0 0 0

BRAKE PRESSURE SWITCH #1 12VDC
 #3 N.O.

DTS-0160				TEMPERATURE SWITCH		
OUT	GREEN 607	INPUT PULSE	BLACK	INT.	1	12VDC
	RED	12VDC	BROWN		2	NC
	GREEN	GROUND	BLUE		3	NO

HOT

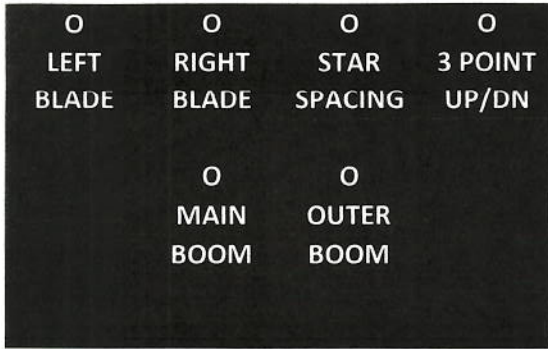
30A.	30A.	30A.	20A.	20A.	30A.	20A.	20A.	20A.	30A.	30A.	20A.
13	12	11	10	9	8	7	6	5	4	3	2
A/C	ACTUATORS	BACKUP	FUEL	CAS	CAS	CYLINDERS	RADIO	CONVENERS	PARK	LEFT	RIGHT
	VIEW	BOARD	PUMP	LIGHTS	LIGHTS	2-SPEED	VIEWER	VIEWER	STEER	VIEWER	VIEWER
	BOARD	LIGHTS	RED	SWITCH	SWITCH	4114	RED	VIEWER	VIEWER	LIGHTS	LIGHTS
			91				12-113				
							RED				
							18-103				
							RED				
							21-613				

SPEDOMETER
GRABBER
BLUE/BLACK
FAN
YELLOW/BLACK 15
HYDRO-LEVEL
YELLOW/BLACK 15
CROSS FANES
BLACK 60

20A	20A	30A	20A	30A
16	15	14	13	12
SPACE	AUXILIARY	SPACE	OUTLET BOX	
			RED	
			15G	
			15C3	
			12GA.	

JOYSTICK LABEL

ADVANCED FARM EQUIPMENT
JOYSTICK REFERENCE PLATE



1 PIECE
BLACK W/WHITE LETTERS

1 3/4"

2 1/2"

PRIMARY CHARGE						
CHOPPER CHARGE	✓					
CHOPPER	✓					
BRAKE CHARGE	✓					
GROUND DRIVE CHARGE	✓					
STEERING	✓					
GROUND DRIVE FORWARD	✓					
STEERING						
LEFT PRIMARY	✓					
RIGHT PRIMARY	✓					
FIRST STAR TABLE	✓					
SECOND STAR TABLE	✓					
CROSS/BOOM	✓					

SHAKER						
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QTY	LABEL SIZE	DESCRIPTION
		GREEN W/WHITE LETTERING
3	1/4" X 1"	FLOAT
1	1/4" X 1"	SEAT
2	1/4" X 1"	MASTER
1	1/4" X 1"	RESET
3	1/4" X 1"	PRIMARY
3	1/4" X 1"	REMOTE 2
3	1/4" X 1"	CROSS
3	1/4" X 1"	REMOTE 1
3	1/4" X 1"	FIRST
3	1/4" X 1"	SECOND
2	1/4" X 1"	UPPER
7	1/4" X 1"	STAR
6	1/4" X 1"	TABLE
2	1/4" X 1"	LEFT
2	1/4" X 1"	RIGHT
2	1/4" X 1"	RAISE
2	1/4" X 1"	LOWER
5	1/4" X 1"	LIGHT
1	1/4" X 1"	REMOTE 3
1	1/4" X 1"	ANGLE
3	1/4" X 1"	TEST
10	1/4" X 1"	ON
10	1/4" X 1"	OFF
12	1/4" X 1"	PARK
1	1/4" X 1"	BRAKE
3	1/4" X 1"	4 X 4
1	1/4" X 1"	4 X 2
3	1/4" X 1"	BOOM
2	1/4" X 1"	HI RANGE
2	1/4" X 1"	LOW RANGE
2	1/4" X 1"	#1
2	1/4" X 1"	#2
1	1/4" X 1"	HAZARD
5	1/4" X 1"	REVERSE
4	1/4" X 1"	SHAKER
3	1/4" X 1"	UP / DOWN
1	1/4" X 1"	STROBE
1	1/4" X 1"	ROAD
1	1/4" X 1"	WORK
1	1/4" X 1"	BACK UP
1	1/4" X 1"	FILTERS

		GREEN W/WHITE LETTERING
1	3/8" X 8"	SPEED CONTROLS
1	3/8" X 8"	CONVEYOR CIRCUITS ON / OFF
1	3/8" X 3"	REVERSING
1	1/4" X 3"	GROUND DRIVE
1	1/4" X 3"	HIGH PRESSURE
1	1/4" X 3"	HYDRAULIC OIL LEVEL

QTY	LABEL SIZE	DESCRIPTION
		GREEN W/WHITE LETTERING
1	1/2" X 2"	REVERSING
1	1/2" X 1"	LT PRIM
1	1/2" X 1"	RT PRIM
1	1/2" X 2"	STEERING
1	1/2" X 1"	LEFT
1	1/2" X 1"	RIGHT
1	1/2" X 1"	CENTERING
1	1/2" X 2"	TRUCK LIGHT
1	1/4" X 1"	FORWARD
1	1/4" X 1"	BACKWARD

HORSE RADISH HARVESTOR

Detail List

Part#	Description	Qty
100037	3/8" Steel Line Clamp	
100050	1/2" Steel Line Clamp	XXXXXXXXX
100062	5/8" Steel Line Clamp	XXX
100087	7/8" Steel Line Clamp	X
100100	1" Steel Line Clamp	XXXXXX
100125	1 1/4" Steel Line Clamp	
100150	1 1/2" Steel Line Clamp	
100200	2" Steel Line Clamp	
100225	2 1/4" Steel Line Clamp	
100250	2 1/2" Steel Line Clamp	
ABAX1000-06	Straight Tube Adapter to JIC Male #6	
ABAX1000-08	Straight Tube Adapter to JIC Male #8	
ABAX1000-10	Straight Tube Adapter to JIC Male #10	
ABAX1000-14-12	Strght Tube Adptr to JIC Male #14-12	
ABAX1000-16	Straight Tube Adapter to JIC Male #16	
BA19-06	3/8" Replacement Sleeve	
BA19-08	1/2" Replacement Sleeve	
BA19-10	5/8" Replacement Sleeve	
BA19-14	7/8" Replacement Sleeve	
BA19-16	1" Replacement Sleeve	
BAX1100 06	3/8" NPT Female x 3/8" Tube	
BAX1100 08	1/2" NPT Female x 5/8" Tube	
BAX1100 10	1/2" NPT Female x 5/8" Tube	
BAX1100 14	3/4" NPT Female x 7/8" Tube	
BAX1200 06	3/8" Tube Union	
BAX1200 08	1/2" Tube Union	
BAX1200 10	5/8" Tube Union	
BAX1200 14	7/8" Tube Union	
BAX1200 16	1" Tube Union	
BAX3100 06	3/8" NPT x 3/8" Tube Tee	
BAX3100 08	1/2" NPT x 1/2" Tube Tee	
BAX3100 10	1/2" NPT x 5/8" Tube Tee	
BAX3100 14	3/4" NPT x 7/8" Tube Tee	
BAX3100 16	1" NPT x 1" Tube Tee	
BAX3200 08	1/2" Tube Tee	
BAX3200 14	7/8" Tube Tee	
BAX3200 16	1" Tube Tee	

1/31/2018

Detail Dept Fittings List

HORSE RADISH

Part #	Description	New #	Quantity
840FS-06	JIC Tube Sleeve	319-06	
840FS-08	JIC Tube Sleeve	319-08	
840FS-10	JIC Tube Sleeve	319-10	
840FS-14	JIC Tube Sleeve	319-14	
840FS-16	JIC Tube Sleeve	319-16	
841FS-06	JIC Tube Nut	318-06	
841FS-08	JIC Tube Nut	318-08	
841FS-10	JIC Tube Nut	318-10	
841FS-14	JIC Tube Nut	318-14	
841FS-16	JIC Tube Nut	318-16	
842FS-06	Male JIC x Male JIC	2403-06	
842FS-08	Male JIC x Male JIC	2403-08	
842FS-08-06	Male JIC x Male JIC	2403-08-06	
842FS-10-08	Male JIC x Male JIC	2403-10-08	
842FS-14	Male JIC x Male JIC	2403-14	
842FS-14-12	Male JIC x Male JIC	2403-14-12	
842FS-16	Male JIC x Male JIC	2403-16	
842FS-16-12	Male JIC x Male JIC	2403-16-12	
844FS-06	Male JIC Tee	2603-06	
844FS-08	Male JIC Tee	2603-08	
844FS-08-08-06	Male JIC Tee	2603-08-08-06	
844FS-14	Male JIC Tee	2603-14	
844FS-16-16-16	Male JIC Tee	2603-16-16-16	
883FS-12-16	Female JIC x Male JIC Rdcr	2406-12-16	
883FS-14-12	Female JIC x Male JIC Rdcr	2406-14-12	

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500454-12 = 11

2403-10x10 = 1111

AFE Parts Dept Requisition Sheet

Requested By _____ Today's Date _____

Project HORSE RADISH HARVESTER Date Needed _____

Qty	Part #	Description
	019-30028	
5	019-30028	Reversing Valve mount
1	019-30034	
70	019-30060	ZIP TIE HOLDER
7	019-30000	light Brackets
WINN	100062	5/8 steel line Brackets
1	019-30090	steering manifold mounting plate
11	100087	7/8 steel line Brackets
11	100050	1/2" STEEL LINE CLAMP
11	100037	3/8" STEEL LINE CLAMP
11	100100	1" steel line clamp
1111	019-30080	Flow Divider mounts
2	019-30053	STRAP LIGHT MOUNT
10	019-30061	CROSS zip tie Holder
1	019-30024	