

7-29-03

LENZE FAMILY FARM

4RSPH / WAR / TANK

PLUG #1  
PIN #

PLUG #1	PIN #	DESCRIPTION	COLOR	WIRING
1	92	CB 1 to HAZARD STAT to SWITCH	YELLOW	
2	91	CB 2 to RIGHT WORK LIGHT RELAY/SWITCH	GREEN	
3	90	CB 3 to LEFT WORK LIGHT RELAY/SWITCH	ORANGE	
4	017	CB 4 to BRAKE, STEER, WARNING, SPEEDOMETER	BLACK	
5	081	CB 10 to FUEL PUMP SWITCH	RED	
6	89	CB 5 to MASTER SWITCH	YELLOW	
7	37	LOWER SECONDARY REVERSE	BROWN	
8	0012	CB 7 to 2-SPEED	BLACK	
9	0017	BRAKE SWITCH to BRAKE SOLENOID	BLACK	
10	88	CB 11 to ROAD BACK-UP RELAYS/SWITCH	BROWN	
11	85	CB 12 to ACTUATOR SWITCHES	WHITE	
12	81	FUEL PUMP SWITCH to FUEL PUMP	RED	
13				
14				
15				
16	46	BIN UNLOAD SWITCH TO RDRS112-30 ACTUATOR	BROWN	
17	45	BIN UNLOAD SWITCH TO RDRS112-30 ACTUATOR	GREEN	
18				
19	33	PRIMARY VIBRATOR RDRS112-30 ACTUATOR	YELLOW	
20	32	PRIMARY VIBRATOR RDRS112-30 ACTUATOR	RED	
21				
22				
23	52	CB 16 to FOOT SWITCHES 12VDC	RED	
24	83	FOOT SWITCHES to STEERING BOX	PURPLE	
25				
26				
27				
28				
29				
30	50	BIN / BULK SWT. TO BIN UNLOAD SV3-16-0 SOL.	ORANGE	
31				
32				
33	42		YELLOW	
34	43		WHITE	
35	44		RED	
36	47		BROWN	
37	48		BLUE	

BLACK/BLUE 17

7-29-03

LENZE FAMILY FARM

#03214

4RSPH / WAR / TANK

PLUG 2  
PIN #

PLUG 2 PIN #	WIRE COLOR	DESCRIPTION	WIRE COLOR	DESCRIPTION
1	BROWN	LEFT PRIMARY REVERSE	153	LEFT PRIMARY REVERSE
2	ORANGE	RIGHT PRIMARY REVERSE	154	RIGHT PRIMARY REVERSE
3	BLACK	PARK SWT. TO 14(5)/15(5) RED 0015 TO SMX TO SV4-10-0	059	PARK SWT. TO 14(5)/15(5) RED 0015 TO SMX TO SV4-10-0
4	RED/ORG	HYDRAULIC OIL TEMPERATURE SENSOR TO CAB	23	HYDRAULIC OIL TEMPERATURE SENSOR TO CAB
5	RED/BLK	TACHOMETER SENSOR TO CAB	07	TACHOMETER SENSOR TO CAB
6	GREEN	UPPER SECONDARY/DEVINER REVERSE	155	UPPER SECONDARY/DEVINER REVERSE
7	BROWN	RIGHT TURN SIGNAL	54	RIGHT TURN SIGNAL
8	YELLOW	LEFT TURN SIGNAL	53	LEFT TURN SIGNAL
9	BROWN	BACK-UP LIGHT SWITCH TO RELAY	06	BACK-UP LIGHT SWITCH TO RELAY
10	BLUE	RIGHT WORK LIGHT SWITCH TO RELAY	036	RIGHT WORK LIGHT SWITCH TO RELAY
11	BLACK	LEFT WORK LIGHT SWITCH TO RELAY	034	LEFT WORK LIGHT SWITCH TO RELAY
12	BLACK	4 X 4 SWITCH TO RELAY	01	4 X 4 SWITCH TO RELAY
13	BLK / RED	2-SPEED SWITCH TO SOLENOID	012	2-SPEED SWITCH TO SOLENOID
14	BROWN	VINE BELT SWITCH TO DTS-0373B SOLENOID	021	VINE BELT SWITCH TO DTS-0373B SOLENOID
15	BROWN	BIN FILL SWITCH TO SV3-16-0-12TD SOLENOID	011	BIN FILL SWITCH TO SV3-16-0-12TD SOLENOID
16	YELLOW	SIDES CONVEYOR SWITCH TO DTS-0373B SOL.	05	SIDES CONVEYOR SWITCH TO DTS-0373B SOL.
17	BROWN	GROSS CONVEYOR SWITCH TO DTS-0373B SOL.	016	GROSS CONVEYOR SWITCH TO DTS-0373B SOL.
18	RED	UPPER SECONDARY CONV. SWT. TO DTS-4208B SOL.	82	UPPER SECONDARY CONV. SWT. TO DTS-4208B SOL.
19				
20	YELLOW	BOOM CONV. SWITCH TO SV3-16-0-12TD SOLENOID	015	BOOM CONV. SWITCH TO SV3-16-0-12TD SOLENOID
21	BLUE	GROUND-DRIVE HI-PRESSURE FILTER #3 TO LIGHT	03	GROUND-DRIVE HI-PRESSURE FILTER #3 TO LIGHT
22	YELL/BLUE	HYDRAULIC LEVEL SENSOR TO CAB (BZL-12)	020	HYDRAULIC LEVEL SENSOR TO CAB (BZL-12)
23	WHITE	CROSS CONVEYOR PRESSURE SWITCH N.O. TO CAB (BZ 6562)	61	CROSS CONVEYOR PRESSURE SWITCH N.O. TO CAB (BZ 6562)
24	BLACK	BIN FILL / BIN UNLOAD / BOOM CONV. SWT. TO DTS-0373B SOL.	022	BIN FILL / BIN UNLOAD / BOOM CONV. SWT. TO DTS-0373B SOL.
25	ORANGE	CB7 TO HYDRO NEUTRAL SWITCH #1	143	CB7 TO HYDRO NEUTRAL SWITCH #1
26	ORANGE	HYDRO NEUTRAL SWITCH #2 TO PANEL RELAY	144	HYDRO NEUTRAL SWITCH #2 TO PANEL RELAY
27	PURPLE	ROAD LIGHT SWITCH TO RELAY	094	ROAD LIGHT SWITCH TO RELAY
28	GREEN	DTS-0160 TO CAB SPEEDOMETER	607	DTS-0160 TO CAB SPEEDOMETER
29	RED	UPPER SECONDARY RDRS 112-30 ACTUATOR	149	UPPER SECONDARY RDRS 112-30 ACTUATOR
30	YELLOW	UPPER SECONDARY RDRS 112-30 ACTUATOR	150	UPPER SECONDARY RDRS 112-30 ACTUATOR
31				
32				
33				
34				
35				
36	BROWN	TEMP SENSOR DTS-0198 TO CAB (BZL-12)	123	TEMP SENSOR DTS-0198 TO CAB (BZL-12)
37				

GREEN 607

GREEN 425

DK GRN/602

YELLOW 752

#03214

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PLUG 3  
PIN #  
[LG 16]

Pin #	Color	Description	Notes
*1	RED	CB 6 TO WIPER	
2	RED	CB 6 TO RADIO	
3	PUR	OIL PRESSURE SENSOR TO GAUGE	
4	BLK	GROUND	
5	BRN	LIGHT SWITCH ROAD POSITION TO REAY #5-86	
6	RED	CB 8 TO DOME LIGHT/PANEL/LT SWT/RADIO MEM.(ST87 HOT)	
*7	BRN	CAB FIELD LIGHT RELAY TO CAB FIELD LIGHTS #4-30	
8			
9	ORG	OIL PRESSURE SENSOR TO LIGHT	
*10	BRN	CAB ROAD LIGHT RELAY TO CAB LIGHTS #5-30	
11	BLUE	FUEL TANK SENDER TO GAUGE	
12	BLUE	COOLANT TEMP SENSOR TO LIGHT	
13	GRN	COOLANT TEMP SENDER TO GAUGE	
14	BRN	CAB FIELD LIGHT POSITION TO RELAY #4-86	
*15	BLK	CB 15 TO AUXILIARY OUTLET BOX 12 GA.	
16	GRN	OIL TEMPERATURE GAUGE TO DTS-0198C (GROUND)	

ORG/BLUE 19  
WHITE 58  
ORG/BLK 9  
ORG 4

ORG/RED 14

7-29-03

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PLUG 4

SW # PIN #

SW #	PIN #	Color	Description
1	1	RED	TO PIN 4 ON GAUGE PANEL
2	2	BLACK	BLACK
3	3	RED	RED
4	4	ORANGE	ORANGE
5	5	BLUE	BLUE
6	6	BLK/WHITE	YELLOW
7	7	RED/WHITE	BROWN
8	8	BLUE/WHITE	VIOLET
9	9	GRN/WHITE	GRAY
10	10	ORN/BLK	WHITE/BROWN
11	11	BLUE/BLK	WHITE/BLACK
12	12	RED/BLK	WHITE/RED
13	13	GRN/BLK	WHITE/YELLOW
14	14	BLUE	LEFT CRAB FOOT SWITCH to STEERING BOX RELAY
15	15	ORANGE	RIGHT CRAB FOOT SWITCH I STEERING BOX RELAY
16	16	BLUE	BIN FILL MAN. TO VALVE DOWN
17	17	ORANGE	BIN FILL MAN. TO VALVE UP
18	18	RED	BIN FILL AUTO. TO BIN FILL CONV. ULTRASONIC SENSOR
19	19		
20	20		
21	21		
22	22		
23	23		
24	24		

#03214

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PLUG 5  
PIN #

PIN #	WIRE COLOR	DESCRIPTION
1	RED	ST 87 HOT SIDE TERMINAL
2	RED	KEY SWITCH "ACC" POSITION
3	RED	ST 87 IGNITION TERMINALS
4	BROWN	POWER FROM TURN STAT
5	WHITE	TO RELAY #8-30
14	BLACK	TO CLUTCH SWITCH N.O. BACK TO 15(5)
15	RED	TO SMX SWITCH-COM.N.O. ON SMX RED 15 TO SV4 SOLENOID
18	BROWN	RIGHT TURN SIGNAL - BROWN 54 ON MACHINE 512 TO 522
20	BROWN	LEFT TURN SIGNAL - YELLOW 53 ON MACHINE 513 TO 523

**GAUGE PANEL**

PIN #	WIRE COLOR	DESCRIPTION
1	PURPLE	OIL PRESSURE GAUGE 705 TO ORANGE/RED 14
2	BLACK	GROUND BLACK TO CAB GROUND
3	BROWN	INTERNAL LAMPS BROWN 526 PRE 1998-503-1998
4	RED	IGNITION & BATTERY RED 21 TO FUSE #7
5	GREEN	TEMP GAUGE GREEN 617 TO ORANGE 4
6	BLUE	FUEL GAUGE BLUE 652 TO WHITE 58
7		
8		
9*	BLUE	WATER TEMP LIGHT BLUE 653 TO ORANGE/BLACK 9
*10	ORANGE	OIL PRESSURE LIGHT ORANGE 924 TO ORANGE/BLUE 19
9*	BLUE	TO BZ6562 BLUE 653 SENDER LIGHT - 12VDC RED 21
*10	ORANGE	TO BZ6562 ORANGE 924 SENDER LIGHT - 12VDC RED 21

7-29-03

#03214

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4RSPH - WAR / TANK

30 ft

PLUG #6  
PIN #

16	
15	WHITE / BLACK
14	GREEN
13	WHITE
12	GREEN / BLACK
11	RED / BLACK
10	BLUE / BLACK
9	ORANGE / BLACK
8	GREEN / WHITE
7	BLUE / WHITE
6	RED / WHITE
5	BLACK / WHITE
4	
3	
2	
1	
	LEFT / RIGHT PRIMARY CONTROLLER POWER SUPPLY "A"
	LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "A"
	LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "B"
	LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "C"
	RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "A"
	RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "B"
	RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "C"
	SECONDARY CONTROLLER POWER SUPPLY "A"
	SECONDARY CONTROLLER COMMAND SIGNAL PIN "A"
	SECONDARY CONTROLLER COMMAND SIGNAL PIN "B"
	SECONDARY CONTROLLER COMMAND SIGNAL PIN "C"

BROWN FROM EACH CONTROLLER TO ENGINE BLOCK GROUND

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PANEL	4X4 TO RELAY	1	BLK
PANEL	2 SPEED SWITCH TO SOLENOID	12	RED
PANEL	BRAKE SWITCH TO SOLENOID	17	BLUE
PANEL	START RELAY TO SOLENOID	2	RED
PANEL	TACH SENSOR TO CAB	7	BLACK
PANEL	TACH SENSOR TO GROUND	18	BLUE
PANEL	HYD TANK OIL TEMP SENDER TO CAB	23	ORANGE
PANEL	GRD DRIVE FILTER #3 TO CAB	3	BLUE
PANEL	GRD DRIVE FILTER #1 TO PANEL #4 C.B.	8	BLACK
PANEL	ST87 IGN SIDE TO FUEL SHUTOFF SOL	13	RED
PANEL	A/C PLUG (ORANGE 914) TO A/C CLUTCH	24	ORANGE
PANEL	ENG WATER TEMP SENDER TO GAUGE	4	ORN
PANEL	ENG WATER TEMP SENSOR TO LIGHT	9	YEL
PANEL	ENGINE OIL PRESS SENDER TO GAUGE	14	YEL
PANEL	ENGINE OIL PRESS SENSOR TO LIGHT	19	YEL
PANEL	HYD. OIL LEVEL SENSOR TO CAB	20	YEL
PANEL	HYD. OIL LEVEL SENSOR TO PANEL #4 C.B.	25	YEL
PANEL	BLACK	10	BRN
PANEL	RED	15	BRN
PANEL	BLUE	20	BRN
PANEL	ORANGE	25	BRN
PANEL	ORANGE	6	BRN
PANEL	BLACK	11	BRN
PANEL	RED	16	BRN
PANEL	BLUE	21	BRN

**DTS-0373B**

1	12VDC	GRND.
2		
1	12VDC	
3	N.O.	

**TEMPERATURE SWITCH**

1	12VDC	N.C.
2		N.O.
3		

**FAIREY FILTER**

1	12VDC	N.C.
2		N.O.
3		

**SWT. PRESS**

1	12VDC	N.O.
3		

**DTS-0160**

GREEN 607	INPUT	GROUND
RED CB 4	12 VDC	
GREEN		
BLACK		
BROWN		
BLUE		

**DTS-0198C**

1	12 VDC	
2	GRND.	