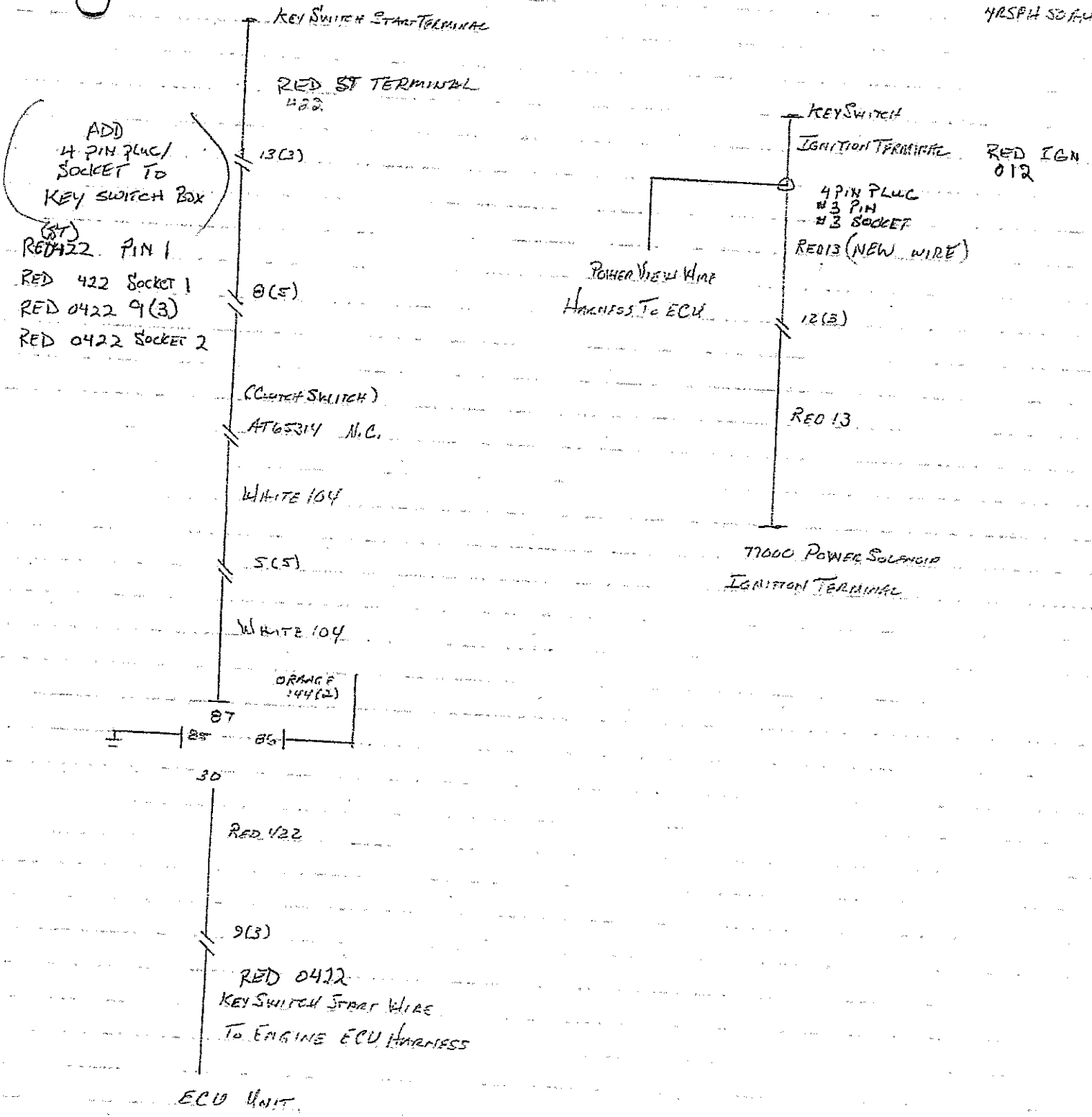


ELECTRONIC J.D. KEY SWITCH
ALTERNATE PANEL

12/17/15
Mitsubishi F800S
4RSPH SOFAD



KRUCKEBERG ELECTRICAL PANEL

WIRE COLOR/NUMBER	DESCRIPTION	LOCATION
YELLOW-92	HAZARD SWITCH INPUT	HAZ STAT
BROWN-502	TURN SIGNAL INPUT	TURN STAT
BLACK-012	2-SPEED INPUT	RELAY #1
BLACK-12	2-SPEED OUTPUT	RELAY #1
BROWN-06	BACK UP LIGHTS INPUT	RELAY #2
BROWN-6	BACK UP LIGHTS OUTPUT	RELAY#2
PURPLE-094	HEAD LIGHTS INPUT	RELAY #3
PURPLE-94	HEADLIGHTS OUTPUT	RELAY #3
BROWN-504	CAB FIELD LIGHTS INPUT	RELAY #4
BROWN-507	CAB FIELD LIGHTS OUTPUT	RELAY #4
BROWN-503	CAB ROAD LIGHTS INPUT	RELAY #5
BROWN-526	CAB ROAD LIGHTS OUTPUT	RELAY #5
BLACK-1	4X4 LOCK INPUT	RELAY #6
BLACK-01	4X4 OUTPUT	RELAY #7
ORANGE-144	START INPUT	RELAY #8
WHITE-104	START OUTPUT	RELAY #8
BLUE-036	RT WORK LIGHTS INPUT	RELAY #9
BLUE-36	RT WORK LIGHTS OUTPUT	RELAY #9
BLACK-34	LT WORK LIGHTS OUTPUT	RELAY #10
ORANGE-090	SEAT RESET	RELAY #11
YELLOW-89	MASTER SWITCH	RELAY #12
ORANGE-90	MASTER SWITCH	RELAY #13
BLACK-804	SEAT	TIME DELAY RELAY
BLACK-810	SEAT	TIME DELAY RELAY
RED-13	IGNITION ON	SOLENOIDS
BLUE-30	LEFT DIGGER BLADE DOWN	T1-TERMINAL STRIP
ORANGE-29	LEFT DIGGER BLADE UP	T2-TERMINAL STRIP
BLACK-119	MASTER DIGGER BLADE DOWN	T3-TERMINAL STRIP
RED-118	MASTER DIGGER BLADE UP	T5-TERMINAL STRIP
BROWN-37	RIGHT DIGGER BLADE DOWN	T6-TERMINAL STRIP
WHITE-35	RIGHT DIGGER BLADE UP	T7-TERMINAL STRIP
BLACK-017	BRAKE/STEER/WARNING/SPEEDOMETER	CB4
GREEN-91	WORK LIGHT SWITCH	CB2
BLACK-0012	2-SPEED/4X4 SWITCHES	CB8
BROWN-88	ROAD/BACK UP/STROBE SWITCHES	CB11
WHITE-85	ACTUATOR SWITCHES	CB12
RED-081	FUEL PUMP SWITCH	CB10

RED-7 - TACH SENSOR → "GREEN 602" TO PLUG 2 (PIN 5)

BROWN-35 - LH WORK LIGHTS → BLACK

WHT-199 - COOLANT TEMP ALERT

BLUE-199 - EXTRA WIRE →

GREEN-102 - OIL TEMP → NOT USED?

ORANGE-4 - COOLANT TEMP →

ORANGE-24 - A/C SWITCH

* RED-13 - FUEL SHUT OFF → PLUG 5 PIN 2? SPLICE?

RED-2 - START SOLENOID → RED 2

BLUE-18 - TACH SENSOR → PLUG 2 PIN 5

6 GND BLACK-9 - GND → GROUND BAR (PANEL)

BLACK-18 - 2-SPEED

BLACK-1 - 4x4 →

BLACK-59 - BRAKE PRESS SWITCH

BLACK-17 - BRAKE

? * YELLOW-121 - STEER RIGHT →

? * RED-120 - STEER LEFT →

7 GND BLACK-9 - GND → GROUND BAR (PANEL)

OUT OF PANEL

- PURPLE-94 - TO HEADLIGHTS - LH & RH → PURPLE 94 (splice) L & R
- BLUE-036 - RH WORK LIGHTS RELAY INPUT → BLUE 036 PLUG #2 (10)
- BROWN-37 - RT DEGGER DWN - INPUT - PLUG #4 PIN 6 CAB TO PANEL
- BLACK-12 - TO 2-SPEED VALVE → BLACK 12 TO ISO HARNESS
- BROWN-503 - CAB ROAD LT RELAY INPUT → PLUG 3 AN (5)
- BROWN-6 - TO BACK UP LIGHTS → TO BROWN 6 REAR HARNESS
- BLUE-30 - LT DEGGER DWN - INPUT → PLUG 4 PIN 4
- BLACK-1 - 4x4 RELAY INPUT → PLUG 2 AN 12 (2?)
- WHITE-? - STARTER OUTPUT ??, 85? PLUG 1 - PIN 11?
- BLACK-84 - LH WORK LIGHTS OUTPUT → BROWN ~~38~~ / ~~SPICE~~
- ORANGE-29 - LT DEGGER UP - INPUT → PLUG 4 - AN 3
- RED-020 - ~~VOYSTER PWR?~~ ~~TEMP SWITCH~~ → TO RED 020
- TC 115 ~~TO TEMP SWITCH~~ DELETE!

* BLACK 20 PLUG 3 PIN 4 TO PANEL GROUND

RED-7 - TACH SENSOR

BROWN-35 - LH WORK LIGHTS

WHT-199 - COOLANT TEMP ALERT

BLUE-199 - EXTRA WERE

GREEN-102 - OIL TEMP

ORANGE-4 - COOLANT TEMP

ORANGE-24 - A/C SWITCH

RED-13 - FUEL SHUT OFF

RED-2 - START SOLENOID

BLUE-18 - TACH SENSOR

GND BLACK-9 - GND

BLACK-12 - 2-SPEED

BLACK-1 - 4x4

BLACK-59 - BRAKE PRESS SWITCH

BLACK-17 - BRAKE

YELLOW-121 - STEER RIGHT

RED-120 - STEER LEFT

GND BLACK-9 - GND

PANEL
SIDE

MACHINE SIDE

~~BEAR HARKNESS~~

1. RED 020 / RED 020
2. BLUE 36 / BROWN 34
3. BLACK 1 / BLACK 1
4. BLACK 12 / BLACK 12
5. BROWN 6 / BROWN 6
6. PURPLE 94 / PURPLE 94 & PURPLE 94 SPLICED
7. BLACK 34 / BROWN 35
8. YELLOW 25 / YELLOW 25

GND

BLACK-1 - GND

BROWN-502 - TO TURN SIGNAL

GND

BLACK-2 - GND

RED-13 - KEY ON

WHITE-104 - START SOLENOID

YELLOW-99 - EXTRA WIRE

BROWN-34 - RT WORK LIGHTS

BROWN-11 - PRIMARY ON/OFF ??

PURPLE-94 (V2) HEAD LIGHTS

RED-02 - FROM TEMP SENSIT TO HYD COOLER VALVE

~~BROWN-5 - RT WORK LIGHTS~~

RED-15 - CHOPPER FILTER

GND

BLACK-7 - GND

GND

BLACK-6 - GND

BLACK-06 - CROSS PRESS SWITCH

RED-99 - EXTRA WIRE

YELLOW-25 - LOW OIL

GND

BLACK-8 - GND

MAIN ELECTRICAL PANEL

CIRCUIT BREAKERS

CB13	CB12	CB11	CB10	CB9	CB8	CB7	CB6	CB5	CB4	CB3	CB2	CB1
30A	30A	30A	20A	30A	20A	30A	30A	30A	20A	30A	30A	20A
A/C	ACTUATORS	BACK UP	FUEL	CAB	CYLINDERS	CAB	RADIO	CONVEYORS	PARK	LEFT	RIGHT	FLASHERS
BLACK	WHITE	ROAD	PUMP	ROAD	2 SPEED	LIGHTS	WIPER	BLACK	BRAKE	WORK	WORK	TURN
		LIGHTS	RED	LIGHTS	4 X 4	SWITCH	RED	DELAY	BLACK	LIGHTS	LIGHTS	SIGNALS
		BROWN		BROWN	GAUGE	RADIO	RED	RELAY	RED	ORANGE	GREEN	BROWN
		BROWN			PANEL	MEMORY						
					BLACK	RED			BLACK			
					RED	AUX						
					ORANGE	OUTLETS						
					WHITE	BLACK						

HAZ STAT
CB 1 YELLOW
YELLOW 92 (1)

TURN STAT
CB 1 BROWN
BROWN 502 (5)

DTS-0160		
GREEN 607	SIGNAL	BLACK
CB4 - RED	12 VDC	BROWN
BLACK	GROUND	BLUE

CB16	CB15	CB14
20A	30A	30A
FOOT	CONVEYORS	CAB
SWITCHES	ORANGE	FIELD
RED 52		LIGHTS
TC115		BROWN
RED 020		

RELAYS

2 SPD	
85 GROUND GREEN	
86 BLACK 012 (1)	
87 BLACK CB7	
30 BLACK 12 (H)	

4 X 4 LOCK	
85 GROUND GREEN	
86 BLACK 1	
87 BLACK 1	
88 BLACK 01 (2)	

SEAT RESET	
85 GROUND GREEN	
86 YELLOW CB 5	JUMPER
87 YELLOW TDR PIN 3	JUMPER
30 ORANGE 090 (1) +	RR PIN 8

3 JUMP	RESET	JUMP 2
4 NOT USED	RELAY	JUMP 1
5 NOT USED		JUMP 8
6 T.D.R.		T.D.R. 7

BACK UP LIGHTS	
85 GROUND GREEN	
86 BROWN 06 (2)	
87 BROWN CB11	
30 BROWN 6 (H)	

4 X 4 RELAY	
85 GROUND GREEN	
86 ORANGE 144 (2)	
87 BLACK 1	
30 BLACK 01 (2)	

MASTER RELAY	
85 GROUND YELLOW	JUMPER*
86 ORANGE RR PIN 6	JUMPER1
87 YELLOW CB 5	
30 YELLOW 89 (1)	

5 (RES)	4 (RES)
6 BK804(1)	T.D.R.
7 BK810(1)	
1 R.R.7	2 GROUND 3 S.R.87

ROAD LIGHTS	
85 GROUND GREEN	
86 PURPLE 094 (2)	
87 BROWN CB11	
30 PURPLE 94 (H)	

START RELAY	
85 GROUND GREEN	
86 ORANGE 144 (2)	
87 RED 2	
30 WHITE 104 (5)	

MASTER RELAY	
85 GROUND YELLOW	JUMPER*
86 ORANGE RR PIN 6	JUMPER1
87 ORANGE CB 5	
30 ORANGE 90 (1)	

77007		
12VDC	RED 13	CB1-6
SUPPLY	IGN	LOAD

CAB FIELD LIGHTS	
85 GROUND GREEN	
86 BROWN 504 (3)	
87 BROWN CB14	
30 BROWN 507 (3)	

RT WORK LIGHTS	
85 GROUND GREEN	
86 BLUE 036 (2)	
87 GREEN CB 2	
30 BLUE 36 (H)	

T1	BLUE 30
T2	ORANGE 29
T3	BLACK 119
T4	
T5	RED 118
T6	BROWN 37
T7	WHITE 35

77007		
12VDC	RED 13	CB8-13
SUPPLY	IGN	LOAD

CAB ROAD LIGHTS	
85 GROUND GREEN	
86 BROWN 503 (3)	
87 BROWN CB11	
30 BROWN 526 (3)	

LT WORK LIGHTS	
85 GROUND GREEN	
86 BLUE 036 (2)	
87 ORANGE CB 3	
30 BLACK 34 (H)	

GROUND BAR

MAIN ELECTRICAL PANEL

CIRCUIT BREAKERS

CB13	CB12	CB11	CB10	CB9	CB8	CB7	CB6	CB5	CB4	CB3	CB2	CB1
30A	30A	30A	20A	30A	20A	30A	30A	30A	20A	30A	30A	20A
A/C	ACTUATORS	BACK UP	FUEL	CAB	CYLINDERS	CAB	RADIO	CONVEYORS	PARK	LEFT	RIGHT	FLASHERS
BLACK	WHITE	ROAD	PUMP	ROAD	2 SPEED	LIGHTS	WIPER	CONVEYORS	BRAKE	WORK	WORK	TURN
		LIGHTS	RED	LIGHTS	4 X 4	SWITCH	RED	DELAY	BLACK	LIGHTS	LIGHTS	SIGNALS
		BROWN		BROWN	GAUGE	RADIO	RED	RELAY	RED	ORANGE	GREEN	FLASHERS
		BROWN			PANEL	MEMORY			BLACK			BROWN
					BLACK	RED						
					RED	AUX						
					ORANGE	OUTLETS						
					WHITE	BLACK						

HAZ STAT
CB 1
BLACK 92 (1)

TURN STAT
CB 1 BROWN
BROWN 502 (5)

DTS-0160
GREEN 607 SIGNAL BLACK
CB4 - RED 12 VDC BROWN
BLACK GROUND BLUE

CB16 CB15 CB14
20A 30A 30A
FOOT CONVEYORS CAB
SWITCHES ORANGE FIELD
RED 52 LIGHTS
TC115 BROWN
RED 020

RELAYS

2 SPD
85 GROUND GREEN
86 BLACK 012 (1)
87 BLACK CB7
30 BLACK 12 (H)

4 X 4 LOCK
85 GROUND GREEN
86 BLACK 1
87 BLACK 1
88 BLACK 01 (2)

SEAT RESET
85 GROUND GREEN
86 CB 5 JUMPER
87 TDR PIN 3 JUMPER
30 ORANGE 090 (1) + RR PIN 8

3 JUMP RESET JUMP 2
4 NOT USED RELAY JUMP 1
5 NOT USED JUMP 8
6 T.D.R. T.D.R. 7

BACK UP LIGHTS
85 GROUND GREEN
86 BROWN 06 (2)
87 BROWN CB11
30 BROWN 6 (H)

4 X 4 RELAY
85 GROUND GREEN
86 ORANGE 144 (2)
87 BLACK 1
30 BLACK 01 (2)

MASTER RELAY
85 GROUND JUMPER*
86 ORANGE RR PIN 6 JUMPER1
87 CB 5
30 ORANGE 89 (1)

5 (RES) 4 (RES)
6 BK804(1) T.D.R.
7 BK810(1)
1 R.R.7 2 GROUND 3 S.R.87

ROAD LIGHTS
85 GROUND GREEN
86 PURPLE 094 (2)
87 BROWN CB11
30 PURPLE 94 (H)

START RELAY
85 GROUND GREEN
86 ORANGE 144 (2)
87 RED 2
30 WHITE 104 (5)

MASTER RELAY JUMPER*
85 GROUND RR PIN 7
86 ORANGE RR PIN 6 JUMPER1
87 ORANGE CB 5
30 ORANGE 90 (1)

77007
| | |
12VDC RED 13 CB1-6
SUPPLY IGN LOAD

CAB FIELD LIGHTS
85 GROUND GREEN
86 BROWN 504 (3)
87 BROWN CB14
30 BROWN 507 (3)

RT WORK LIGHTS
85 GROUND GREEN
86 BLUE 036 (2)
87 GREEN CB 2
30 BLUE 36 (H)

T1 BLUE 30
T2 ORANGE 29
T3 BLACK 119
T4
T5 RED 118
T6 BROWN 37
T7 WHITE 35

77007
| | |
12VDC RED 13 CB8-13
SUPPLY IGN LOAD

CAB ROAD LIGHTS
85 GROUND GREEN
86 BROWN 503 (3)
87 BROWN CB9
30 BROWN 526 (3)

LT WORK LIGHTS
85 GROUND GREEN
86 BLUE 036 (2)
87 ORANGE CB 3
30 BLACK 34 (H)

GROUND BAR