

65" AIR-HEAD MACHINE PLUG #1

#04003 4RSPH W/ 65" AH MC CRUM

7/26/2004

PLUG #1  
PIN #

|      |   |        |    |
|------|---|--------|----|
| 92   | CB 1 to HAZARD STAT to SWITCH                           | YELLOW | 1  |
| 91   | CB 2 To Air/Idle/Rev/Brake/Fill/Transfer Valve Switches | Green  | 2  |
| 90   | CB 3 To Master Switch                                   | Orange | 3  |
| 017  | CB 4 to BRAKE, STEER, WARNING, SPEEDOMETER              | BLACK  | 4  |
| 081  | CB 10 to FUEL PUMP SWITCH                               | RED    | 5  |
| 89   | CB 5 to MASTER SWITCH                                   | YELLOW | 6  |
| 0012 | CB 7 to 2-SPEED   | BLACK  | 8  |
| 0017 | BRAKE SWITCH to BRAKE SOLENOID                          | BLACK  | 9  |
| 88   | CB 11 to ROAD BACK-UP RELAYS/SWITCH                     | BROWN  | 10 |
| 85   | CB 12 to ACTUATOR SWITCHES                              | WHITE  | 11 |
| 81   | FUEL PUMP SWITCH to FUEL PUMP                           | RED    | 12 |
| 28   | A-H CLEAN AUTO to TIMER #10                             | PURPLE | 13 |
| 27   | A-H CLEAN MANUAL TO TIMER #9 to SOLENOID                | WHITE  | 14 |
| 26   | A-H CLEAN MANUAL to TIMER #8 to SOLENOID                | BLUE   | 15 |
| 46   | BIN UNLOAD RDRS 112-30 ACTUATOR                         | BROWN  | 16 |
| 45   | BIN UNLOAD RDRS 112-30 ACTUATOR                         | GREEN  | 17 |
| 33   | PRIMARY SHAKER ACTUATOR                                 | YELLOW | 19 |
| 32   | PRIMARY SHAKER ACTUATOR                                 | RED    | 20 |
| 70   | SIDE CONVEYOR FLOW CONTROL ACTUATOR                     | RED    | 21 |
| 69   | SIDE CONVEYOR FLOW CONTROL ACTUATOR                     | PURPLE | 22 |
| 52   | CB 16 to FOOT SWITCHES 12VDC                            | RED    | 23 |
| 83   | FOOT SWITCHES to STEERING BOX                           | PURPLE | 24 |
| 108  | STONE BOX MV5 VALVE                                     | BLACK  | 25 |
| 109  | STONE BOX MV5 VALVE                                     | RED    | 26 |
| 116  | COULTER MV5 (ORANGE 41) JUNCTION BOX                    | YELLOW | 27 |
| 117  | COULTER MV5 JUNCTION BOX                                | BROWN  | 28 |
| 42   |   | YELLOW | 30 |
| 43   |   | WHITE  | 31 |
| 44   |   | RED    | 32 |
| 47   |   | BROWN  | 33 |
| 48   |   | BLUE   | 34 |
| 65   | LEFT STAR RDRS 112-30 ACTUATOR                          | WHITE  | 35 |
| 66   | LEFT STAR RDRS 112-30 ACTUATOR                          | PURPLE | 36 |
| 50   | BIN UNLOAD BYPASS SV3-16-0-12T-12DG SOLENOID            | ORANGE | 37 |

BLACK/BLUE 17



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4RSPH W/ 65" AH

PLUG 3  
PIN #  
[LG 16]

| PLUG 3<br>PIN #<br>[LG 16] | Color | Terminal | Description                                     |
|----------------------------|-------|----------|---|
| 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                          | BRN   |          | WORK LIGHT SWITCH TO LEFT WORK LIGHT RELAYS     |
| 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   |          | PRIMARY CIRCUIT TEMPERATURE SENSOR TO GROUND    |

ORG/RED 14  
WHITE 58  
ORG/BLK 9  
ORG 4  
ORG/BLUE 19

65" AIR-HEAD MACHINE PLUG #4

7/26/2004

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#04003

4RSPH W/ 55" AH

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    | GREEN      | AIR HEAD FAN RPM PICK-UP TO PANEL STUDS (WHITE CL:9) TO DAG |
| 16   | 16    | ORANGE     | RIGHT CRAB FOOT SWITCH to STEERING BOX RELAY                |
| 17   | 17    | BROWN      | RIGHT STAR TABLE RDRS 112-30 ACTUATOR                       |
| 18   | 18    | GREEN      | RIGHT STAR TABLE RDRS 112-30 ACTUATOR                       |
| 19   | 19    | BLUE       | Bin Fill Material Switch to TOC 8 (Down)                    |
| 20   | 20    | ORANGE     | Bin Fill Material Switch to TOC 8 (Up)                      |
| 21   | 21    | RED        | Bin Fill Auto Switch to TOC 8 Power Supply Release          |
| 22   | 22    | WHITE      | TRUCK MATE Switch to TOC 8                                  |
| 23   | 23    | WHITE      | Anti-Roll Level TOC 8 TO Winch Light to Alarm Panel         |
| 24   | 24    | WHITE      | Cross Side Level TOC 8 TO Winch Light to Alarm Panel        |

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MC CRUM

7-26-04

4RSPH W/ 65" A.H. / TANK

PLUG 5  
PIN #

| PLUG 5<br>PIN # | COLUMN PLUG  |
|-----------------|--|
| 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<br>502 TO 507                 |
| 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 |  |
|-------------|--|
| 1           | OIL PRESSURE GAUGE PURPLE 705 TO ORANGE/RED 14                 |
| 2           | GROUND BLACK TO CAB GROUND                                     |
| 3           | INTERNAL LAMPS BROWN 526 PRE 1998-503-1998 2004. (See page 11) |
| 4           | IGNITION & BATTERY RED 21 TO FUSE #7                           |
| 5           | TEMP GAUGE GREEN 617 TO ORANGE 4                               |
| 6           | FUEL GAUGE BLUE 652 TO WHITE 58                                |
| 7           |  |
| 8           |  |
| 9*          | WATER TEMP LIGHT BLUE 653 TO ORANGE/BLACK 9                    |
| *10         | OIL PRESSURE LIGHT ORANGE 924 TO ORANGE/BLUE 19                |
| 9*          | TO BZ6562 BLUE 653 SENDER LIGHT - 12VDC RED 21                 |
| *10         | TO BZ6562 ORANGE 924 SENDER LIGHT - 12VDC RED 21               |

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MC CRUM

7-26-04

4RSFH W/ 65" AH

| PLUG #6 | PIN #          |
|---------|----------------|
| 1       | BLACK          |
| 2       | RED            |
| 3       | ORANGE         |
| 4       | BLUE           |
| 5       | BLACK / WHITE  |
| 6       | RED / WHITE    |
| 7       | BLUE / WHITE   |
| 8       | GREEN / WHITE  |
| 9       | ORANGE / BLACK |
| 10      | BLUE / BLACK   |
| 11      | RED / BLACK    |
| 12      | GREEN / BLACK  |
| 13      | WHITE          |
| 14      | GREEN          |
| 15      | WHIT / BLACK   |
| 16      |                |

|  |                |
|--|----------------|
| AIR HEAD CONTROLLER POWER SUPPLY "A"             | BLACK          |
| AIR HEAD CONTROLLER COMMAND SIGNAL PIN "A"       | RED            |
| AIR HEAD CONTROLLER COMMAND SIGNAL PIN "B"       | ORANGE         |
| AIR HEAD CONTROLLER COMMAND SIGNAL PIN "C"       | BLUE           |
| LEFT / RIGHT PRIMARY CONTROLLER POWER SUPPLY "A" | BLACK / WHITE  |
| LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "A"   | RED / WHITE    |
| LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "B"   | BLUE / WHITE   |
| LEFT PRIMARY CONTROLLER COMMAND SIGNAL PIN "C"   | GREEN / WHITE  |
| RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "A"  | ORANGE / BLACK |
| RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "B"  | BLUE / BLACK   |
| RIGHT PRIMARY CONTROLLER COMMAND SIGNAL PIN "C"  | RED / BLACK    |
| SECONDARY CONTROLLER POWER SUPPLY "A"            | GREEN / BLACK  |
| SECONDARY CONTROLLER COMMAND SIGNAL PIN "A"      | WHITE          |
| SECONDARY CONTROLLER COMMAND SIGNAL PIN "B"      | GREEN          |
| SECONDARY CONTROLLER COMMAND SIGNAL PIN "C"      | WHIT / BLACK   |
| CONTROLLER POWER SUPPLY PIN "B" TO BLOCK GROUND  |                |

4RSFH W/ 65" A.H. / TANK

| Color         | Wire # | Description                      | Panel  | Color              | Wire # | Description                             | Panel  |
|---------------|--------|----------------------------------|--------|--------------------|--------|---|--------|
| BLACK         | 1      | 4X4 TO RELAY                     | PANEL  | RED                | 12     | 2-SPEED TO CAB                          | PANEL  |
|               |        |                                  |        | BLUE               | 17     | BRAKE TO BRAKE SOLENOID                 | 9 (1)  |
|               |        |                                  |        | ORANGE             | 22     | BIN UNLOAD / BULK SWT. TO DTS-0373B (A) | 24 (2) |
|               |        |                                  |        | BLACK              | 7      | TO RELAY TO SOLENOID                    | 5 (2)  |
|               |        |                                  |        | BLACK              | 18     | TACH SENSOR TO GROUND                   | PANEL  |
|               |        |                                  |        | BLUE               | 23     | TACH SENSOR TO GROUND                   | PANEL  |
|               |        |                                  |        | ORANGE             | 23     | HYDRAULIC OIL TEMP SENSOR TO CAB        | 4 (2)  |
| BLUE          | 3      | GRD DRIVE FILTER #3 TO CAB       | 21 (2) |                    |        |   |        |
|               |        |                                  |        | BLACK              | 8      | GRD DRIVE FILTER #1 TO PANEL #4 C.B.    | PANEL  |
|               |        |                                  |        | RED                | 13     | ST87 IGN SIDE TO FUEL SHUTOFF SOL       | PANEL  |
|               |        |                                  |        | ORANGE             | 24     | A/C PLUG (ORANGE 914) TO A/C CLUTCH     | PANEL  |
| ORANGE        | 4      | WATER TEMP SENDER TO GAUGE       | 13 (3) |                    |        |   |        |
|               |        |                                  |        | BLACK              | 9      | WATER TEMP SENDER TO LIGHT              | 12 (3) |
|               |        |                                  |        | RED                | 14     | ENGINE OIL PRESS SENDER TO GAUGE        | 3 (3)  |
|               |        |                                  |        | BLUE               | 19     | ENGINE OIL PRESS SENDER TO LIGHT        | 9 (3)  |
| YELLOW        | 5      | SIDE CONV. SWT. TO DTS-0373B (A) | 16 (2) |                    |        |   |        |
|               |        |                                  |        | BLACK              | 10     | FAN FILTER #2 TO PANEL #4 C.B.          | PANEL  |
|               |        |                                  |        | RED                | 15     | FAN FILTER #3 TO CAB                    | 20 (2) |
|               |        |                                  |        | BLUE               | 20     | HYD OIL LEVEL SENSOR TO CAB             | 22 (2) |
|               |        |                                  |        | ORANGE             | 25     | HYD OIL LEVEL SENSOR TO PANEL #4 C.B.   | PANEL  |
| BROWN         | 6      | BACK-UP LIGHTS                   | PANEL  |                    |        |   |        |
|               |        |                                  |        | BLACK              | 11     | BIN FILL SWITCH TO DTS-0373B (A)        | 15 (2) |
|               |        |                                  |        | RED                | 16     | CROSS CONV. SWT. TO DTS-0373B (A)       | 17 (2) |
|               |        |                                  |        | BLUE               | 21     |   |        |
| DTS-0373B     | 1      | 12VDC                            |        | DTS-0373B          | 1      | 12VDC                                   |        |
|               | 2      | N.C.                             |        |                    | 2      | N.C.                                    |        |
|               | 3      | N.O.                             |        |                    | 3      | N.O.                                    |        |
| FAIREY FILTER | 1      | 12VDC                            |        | TEMPERATURE SWITCH | 1      | 12VDC                                   |        |
|               | 2      | N.C.                             |        |                    | 2      | N.C.                                    |        |
|               | 3      | N.O.                             |        |                    | 3      | N.O.                                    |        |
| DTS-0160      | 1      | 12VDC                            |        | DTS-0198C          | 1      | 12VDC                                   |        |
|               | 2      | INPUT                            |        |                    | 2      | GRND.                                   |        |
|               | 3      | GROUND                           |        |                    | 2      | GRND.                                   |        |
| GREEN 607     | 1      | GREEN                            |        |                    | 1      | GREEN                                   |        |
| RED CB 4      | 2      | RED CB 4                         |        |                    | 1      | RED CB 4                                |        |
| BLACK         | 3      | BLACK                            |        |                    | 1      | BLACK                                   |        |
| BROWN         | 4      | BROWN                            |        |                    | 1      | BROWN                                   |        |
| BLUE          | 5      | BLUE                             |        |                    | 1      | BLUE                                    |        |