





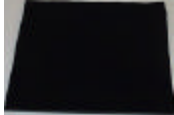

New Holland
MC22, MC28, MC35
Parts List & Mounting Instructions

Jodale • Perry

Printed: 2004/01

New Holland MC22, MC28, MC35 Mounting Instructions

Standard Parts List

| Qty | Description | Photo |
|--------|---|--|
| 1 | Front Cab Mount Bracket |  |
| L&R | Rear Cab Mount Brackets |  |
| 1 | Inner Foot Platform Shield |  |
| 1 | Outer Foot Platform Shield |  |
| 1 | Rear Access Panel (pre-upholstered) |  |
| 1 | Step Bracket |  |
| 1 | Underseat Mylar Pattern (20½" x 29½") | |
| 1 | Seat Plate Upholstery Pattern (20½" x 29½") | |
| 1 | Main Cab Floormat Pattern () | |
| 2 | Cab Lift Brackets (1" Tube) | |
| 2 | 3/8" Black Snap Caps | |
| 14 LF | 180° O-rubber | |
| 5.5 LF | ¼" x ¾" NDAX | |
| 1 | Front Headlight Shroud (Plastic) | |

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

New Holland MC22, MC28, MC35 Mounting Instructions

Standard Bolts List

| Qty | Description |
|------------|---|
| 4 | Bolt, Hex, ½" x 3", Grade 8, Yellow Dichrome |
| 2 | Bolt, Hex, ½" x 3 ½", Grade 8, Yellow Dichrome |
| 4 | Bolt, Carriage, 5/8" x 3 ½", Grade 8, Yellow Dichrome |
| 4 | Bolt, Hex, 3/8" x 1", Grade 8, Yellow Dichrome |
| 2 | Bolt, Flange, 3/8" x ¾", Grade 8, Yellow Dichrome |
| 6 | Nut, Hex, ½", Grade 8, Yellow Dichrome |
| 4 | Nut, Hex, 5/8", Grade 8, Yellow Dichrome |
| 4 | Nut, Hex, 3/8", Grade 8, Yellow Dichrome |
| 6 | Washer, Lock, ½", Plated |
| 4 | Washer, Lock, 5/8", Plated |
| 4 | Washer, Lock, 3/8", Plated |
| 4 | Washer, Steel, Flat, ½" x 2 ½", Plated |
| 4 | Washer, Rubber, Flat, 9/16" x 2 ½", Black |
| 4 | Isolator, Rubber, ½" x 2 ½", Black |
| 4 | Bolt, Flange, ¼" x ¾", Yellow Dichrome |
| 4 | Nut, Flange, ¼", Yellow Dichrome |
| 2 | Screw, Pan-Head, #8 x ½", Macro-black |
| 2 | Nut, Extruded, Pane, ¼" |
| 2 | Screw, Thumb, Black, ¼" x 1" |

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New Holland MC22, MC28, MC35 Mounting Instructions

Optional Parts Lists

Heater Option (if equipped)

| Qty | Description | Photo |
|------------|---|--------------|
| 1 | 3/8 NPT x 3/8" Barb - 180° Fitting (pressure) | |
| 1 | 3/8 NPT x 3/8" Barb - 90° Fitting (suction) | |
| 2 | HS-6 Hose Clamps | |
| 22LF | 3/8" Heater Hose (installed onto heater core) | |
| 4" | 1/8" Pinch welt with glue | |

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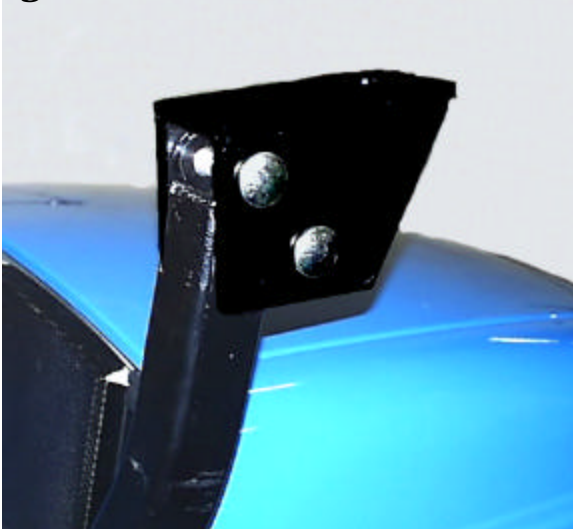
New Holland MC22, MC28, MC35 Mounting Instructions

NOTE: Use the following torque specifications for all hardware: ½" hardware 73 ft-lbs, 3/8" hardware 42 ft-lbs, 5/8" hardware 177 ft-lbs.

1. Prior to installation, remove upper 2-post ROPS member, seat from seat plate, seat plate, step bracket. Retain seat mounting hardware for re-use. If equipped with a front mower, remove step plate from mower deck.

2. Take the left rear bracket, ensure that the square punch is on the outside, and position it on the lower left 2-post ROPS member and snugly bolt it into place using 2 - 5/8" x 3 ½" carriage bolts, 5/8" lock washers, and 5/8" hex nuts. It is critical that the carriage bolt head is on the exterior of the bracket to provide extra clearance for the cab frame. (See Figure 1)

Figure 1



3. Repeat step 2 for the right side and the right rear bracket.

4. Take the front bracket and position along the front of the machine platform. Use 4 - 3/8" x 1" hex bolts, 3/8" lock washers, and 3/8" hex nuts to loosely

secure the front mount. Ensure that all bolts have been started and tighten all bolts. (See Figure 2)

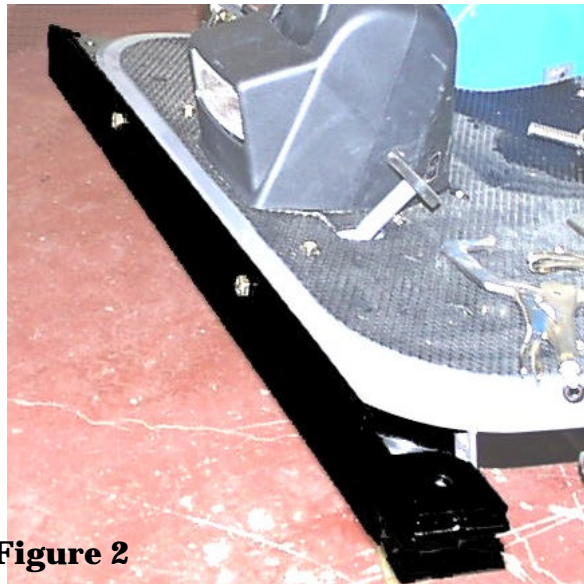
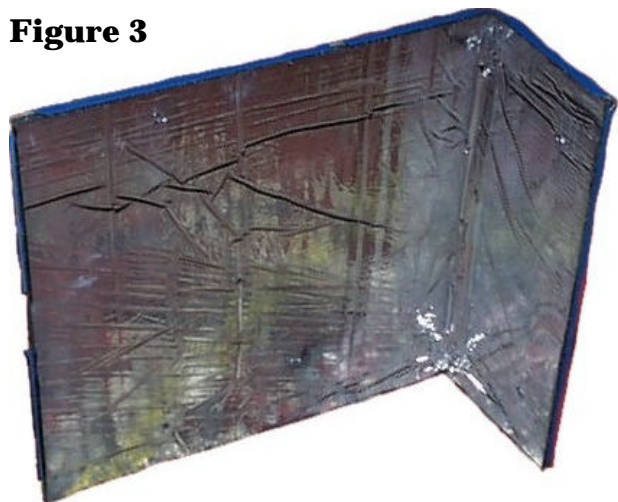


Figure 2

5. Use the 2 - 9/16" diameter holes in the front bracket as a guide, and drill 2 - 9/16" holes through the platform. Take two ½" x 3" hex bolts, ½" lock washers, and ½" hex nuts and securely fasten bracket to platform.

Figure 3



6. Take seat plate and mylar pattern, align mylar onto seat plate. Ensure that the surface of the seat plate is clean to provide a good bonding surface for the mylar. Remove sticker back and glue

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New Holland MC22, MC28, MC35 Mounting Instructions

mylar into place. (See Figure 3) Re-bolt the seat plate onto the seat mounting bracket with the original factory hardware.

7. Take seat plate upholstery and line up with bottom front of seat plate. There should be a space at the back of the seat plate behind the seat. This edge of upholstery will act as a stop for the removeable rear panel of the cab. Ensure the surface of the seat plate is clean to provide a good bonding surface for the upholstery pattern. Glue the upholstery onto the seat plate. (See Figure 4) Re-bolt the seat onto the seat plate with the original factory hardware.

Figure 4



8. **If cab is equipped** with the heater option, notch the right rear panel of the radiator plate as shown in Figure 5. Take the 1/8" pinch welt and slide around the cut area of the sheet metal panel. This will prevent the heater hose from being cut during use.

9. Take the outer foot platform shield and the 180° O-rubber and slide O-rubber onto outer edge as shown in

Figure 6. Using two 1/4" x 3/4" flange bolts and nuts mark and drill holes through platform and shield bolt into place. Repeat for the inner foot platform shield also shown in Figure 6.

Figure

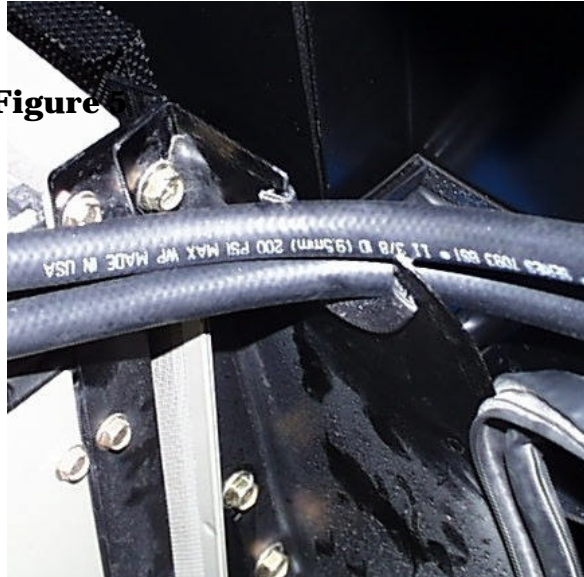
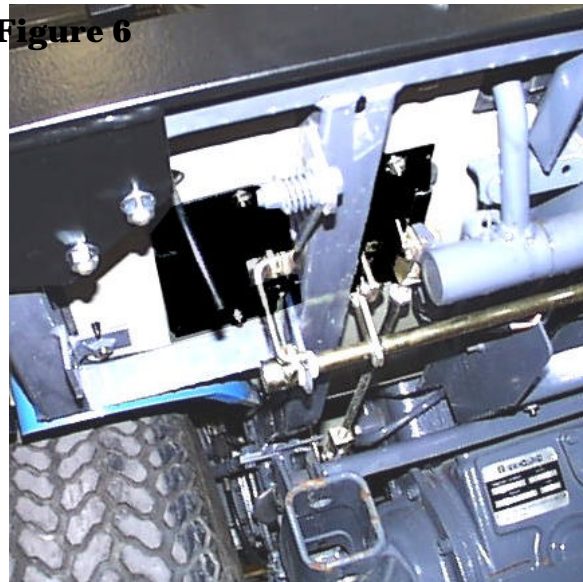


Figure 6



10. Take the 1/4" x 3/4" NDAX supplied and glue it underneath the area around the foot platform extension around the outside edge. Take the 180° O-rubber, and beginning at the rear left corner, install O-rubber onto the panel and your way left and then down and forward

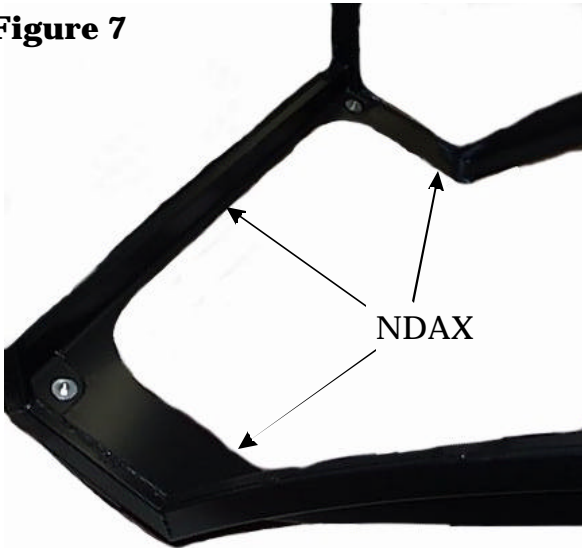
NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

New Holland MC22, MC28, MC35 Mounting Instructions

until you reach the end of the side shield and stop. (See Figures 7 & 8)

11. Repeat step 10 for the right side.

Figure 7



12. Prior to installing the cab lift brackets, remove the left door, right upper escape window, and lower right window. Bolt the lift brackets onto the cab frame through the pre-drilled holes in the ROPS frame on either side just forward of the 'B-Post' with the hardware provided, two 5/16" x 3" hex bolts and 5/16" hex nuts. Attach the lifting strap to the brackets and raise the cab frame slowly over the tractor. Place one 1/2" rubber isolator mount over each mount pad and slowly lower the cab onto the tractor. Ensure that the cab comes straight down over the mounts on the tractor and the plastic side panels clear the rear mounts of the cab. If cab is equipped with a heater, ensure that the heater hoses go through the notch made in the rear side panel. Ensure that the upper protrusion of the rubber isolator sticks through the mount plate welded onto the cab frame. Use two 1/2" x 3" hex bolts, 9/16" steel flat washer, 1/2" rubber flat washer, 1/2" lock washers, and 1/2" hex

nuts for the rear mounts. Use two 1/2" x 3 1/2" hex bolts, 1/2" steel flat washer, 1/2" rubber flat washer, 1/2" lock washers, and 1/2" hex nuts for the front mounts. (See Figure 9) Once all bolts have been started, torque bolts to spec.

Figure 8

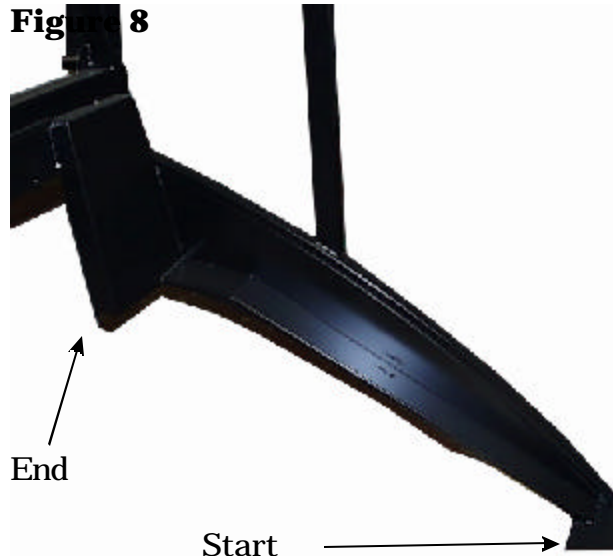
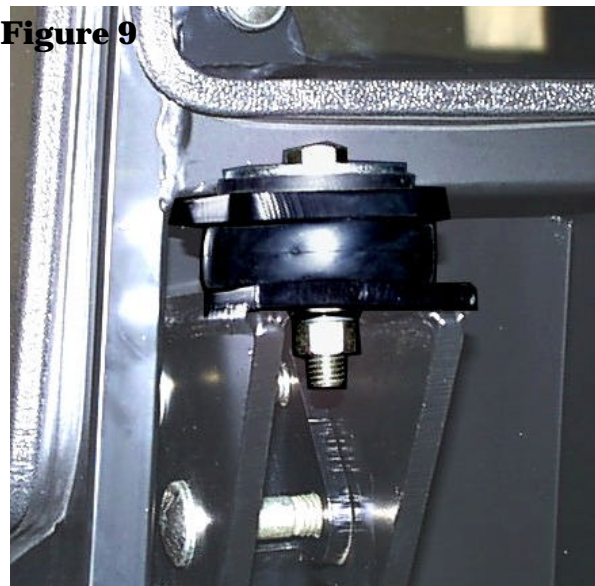


Figure 9



12. Slide main cab electrical wires down under the hood trim on the left side towards the relays as shown in Figure 10. Connect the heavy red wire to 12V at the battery or alternator. Connect the heavy black wire to the main tractor

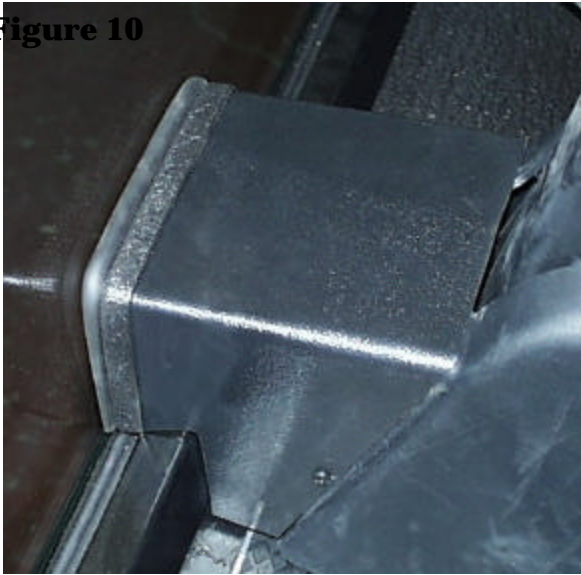
NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

New Holland MC22, MC28, MC35 Mounting Instructions

ground on the vehicle. Connect the orange wire to a switched source on the vehicle.

13. Take the front headlight shroud and slide 180° O-rubber onto the edge as shown in Figure 10.

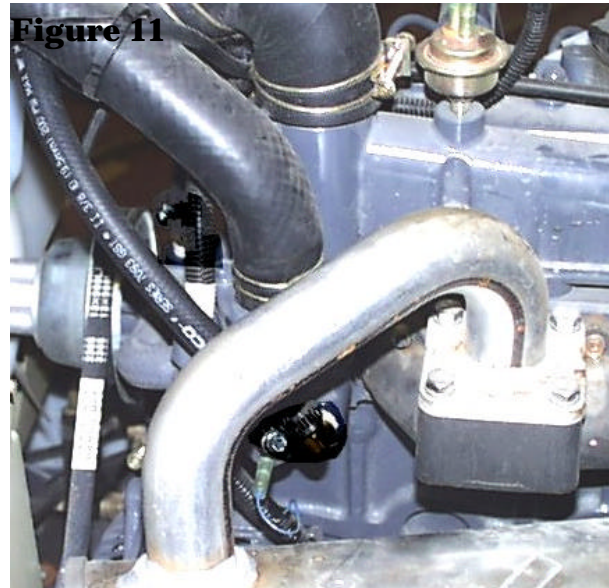
Figure 10



If cab is equipped with a heater proceed with the steps 1 and 15.

14. Drain antifreeze from engine before proceeding. Remove engine plug from the thermostat housing as shown in Figure 1112 in the upper left side. **USE A WATER SEALANT MATERIAL AROUND ALL FITTINGS.** Insert the 3/8 barb x 3/8 NPT 180° fitting (pressure) into the plug hole. Remove plug from near the water pump in the middle lower part of Figure 11. Insert the 3/8 barb x 3/8 NPT 90° fitting (suction) into the plug hole. Run the hose to the heater fittings and ensure that there is adequate hose and then cut the hose. Attach the pressure hose to the pressure fitting and the other hose to the suction fitting. Attach the hose with two HS-6 clamps.

15. Refill the engine anti-freeze. Open the cab heater valve using the rotary control on the switchplate and turn on the fan. Start the vehicle and run at PTO RPM for five minutes to build up engine heat. Check for leaks and add anti-freeze if required. For maximum heater efficiency, all air trapped in the heater system must be evacuated. Continue running the engine and adding antifreeze as required until cab heater produces hot air. **TIP:** when purging system of air, open radiator cap when running the engine.



16. Take the step and the two 3/8" x 3/4" hex bolts and bolt the step onto the step mount plate which is located underneath the left door, and the cab lower cross-member. (See Figure 12)

17. Take the rear steel cab panel. Install the two 1/4" extruded panel nuts on the rear of the cab through the two holes in the welded-in steel cab panel. Ensure that the flat part of the nut faces the inside of the cab. Install 180d O-rubber on both sides of the cab panel that is loose, and slide into place on the tractor so that the panel goes to where

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the seat plate upholstery ends. Attach the panel with the two ¼" x 1" thumb screws provided.



Figure 12

NOTE: All references to left and right are taken from the operator's point of view when he/she is sitting in the driver's seat.

ADDENDUM ALL Mounting Instructions

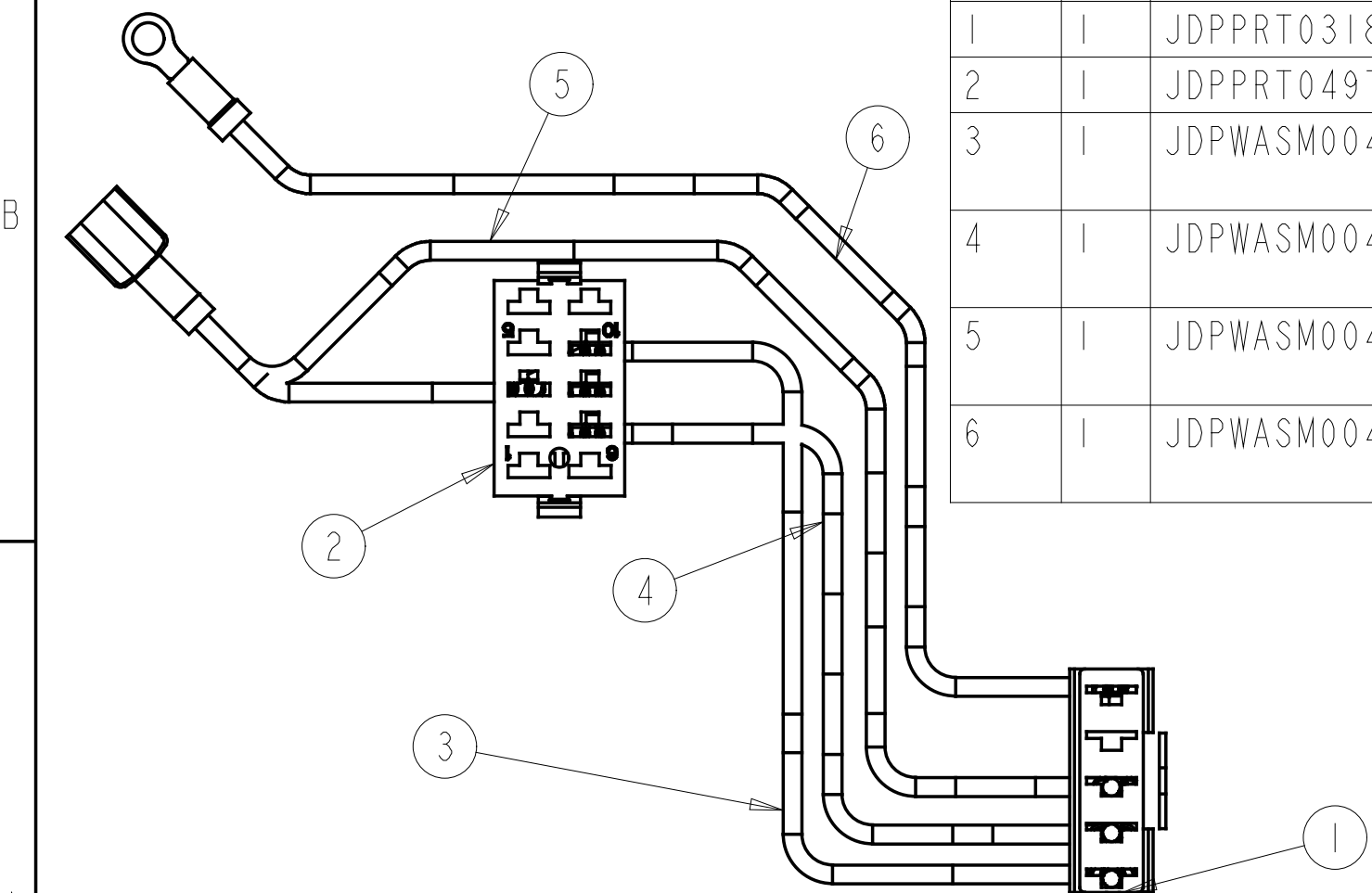
Electrical Connectors List

| Qty | Description |
|------------|------------------------------|
| 2 | Connectors, Loop, 10GA, ¼” |
| 1 | Connectors, Loop, 10GA, ½” |
| 1 | Connectors, Loop, 10GA, 3/8” |
| 1 | Splicer, Wire, Blue |

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| | | | |
|--|----------|----------|------|
| | Revision | Decision | Date |
| | | | |

| Item | Qty | File # | Description |
|------|-----|---------------|----------------------------------|
| 1 | 1 | JDPPRT0318A | Connector |
| 2 | 1 | JDPPRT0497 | Connector |
| 3 | 1 | JDPWASM0040_1 | L Wiper To Switch #9 & # 3 |
| 4 | 1 | JDPWASM0040_2 | H Wiper To Switch #7 |
| 5 | 1 | JDPWASM0040_3 | P Wiper To Switch #8 & Fuse |
| 6 | 1 | JDPWASM0040_4 | Ground Wiper To Groud Fuse Block |



Tolerances:
 Unless otherwise specified
 X.X = ±1/16"
 Angular = ± 1.0°

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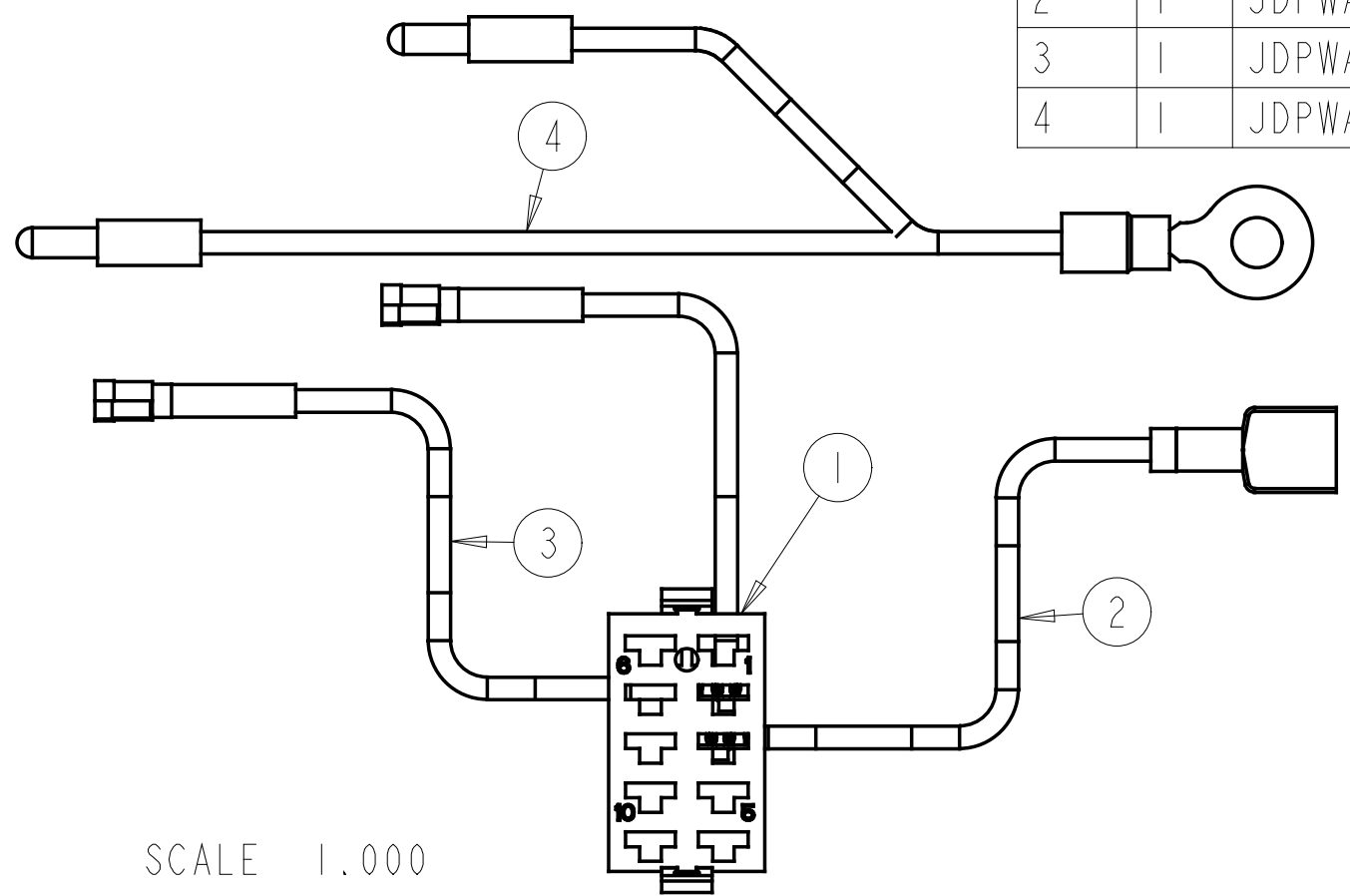
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| Material | Req'd | JODALE PERRY CORPORATION Box 909, 300 Route 100, Morden MB, Canada | | | |
| | | Title Wiper Harness | | | |
| Drawn By Dave Friesen | Date 2006-01-04 | Size A | Part Number | Project | Rev |
| Checked By | Date | Scale | Units Imperial | File Number JDPWASM0040 | |

| Revision | Decision | Date |
|----------|----------|------|
| | | |

| Item | Qty | File # | Description |
|------|-----|---------------|-----------------|
| 1 | 1 | JDPPRT0497 | Connector |
| 2 | 1 | JDPWASM0041_1 | Fuse To # 3 |
| 3 | 1 | JDPWASM0041-2 | # 2 To Light |
| 4 | 1 | JDPWASM0041_3 | Light To Ground |

B

A



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|--------------------------|--------------------|--|-------------------|----------------------------|-----|
| Material | Req'd | JODALE PERRY CORPORATION Box 909, 300 Route 100, Morden MB, Canada | | | |
| | | Title Work Light Harness | | | |
| Drawn By Dave Friesen | Date 2006-02-02 | Size A | Part Number | Project | Rev |
| Checked By | Date | Scale | Units Imperial | File Number JDPWASM0041 | |

2

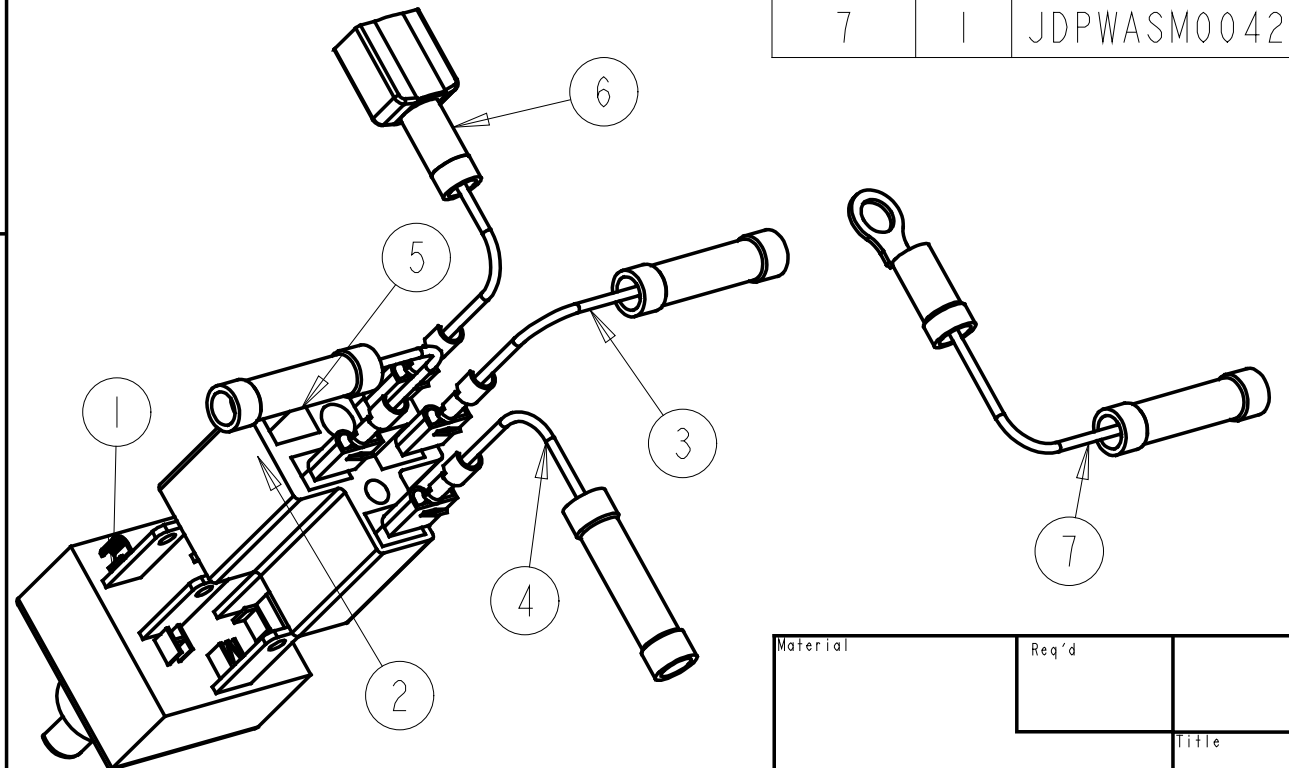
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| | Revision | Decision | Date |
| | | | |

| Item | Qty | File Number | Description |
|------|-----|---------------|---------------------------|
| 1 | 1 | JDPPRT0178 | 3-Speed Fan Switch |
| 2 | 1 | JDPPRT0482 | Terminal Block Fan Switch |
| 3 | 1 | JDPWASM0042_1 | Low Speed Fan Motor |
| 4 | 1 | JDPWASM0042_2 | Medium Speed Fan Motor |
| 5 | 1 | JDPWASM0042_3 | Hi Speed Fan Motor |
| 6 | 1 | JDPWASM0042_4 | Fuse Power |
| 7 | 1 | JDPWASM0042_5 | Motor Ground |

B

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 Angular = ± 1.0°

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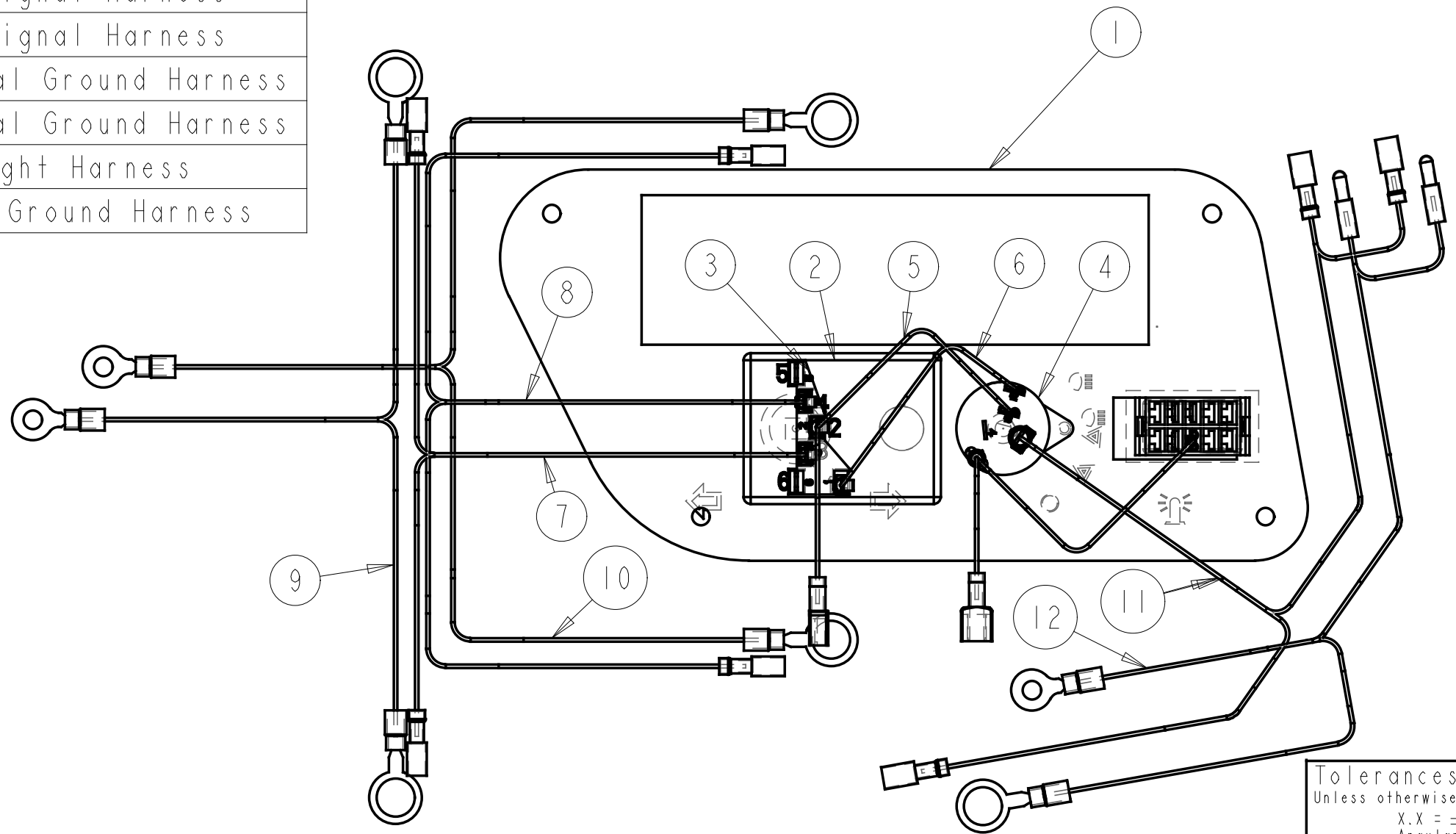
| | | | | | |
|--------------|------------|--|-------------|-------------|-----|
| Material | Req'd | JODALE PERRY CORPORATION Box 909, 300 Route 100, Morden MB, Canada | | | |
| | | Title 3-Speed Fan Power Harness | | | |
| Drawn By | Date | Size | Part Number | Project | Rev |
| Dave Friesen | 2006-06-07 | A | | Boxer Parts | |
| Checked By | Date | Scale | Units | File Number | |
| | | | Imperial | JDPWASM0042 | |

2

1

| Item | Qty | File Number | Description |
|------|-----|---------------|-------------------------------|
| 1 | 1 | JDPASM0106 | Switch Plate Assembly |
| 2 | 1 | JDPPRT0179 | Hobbs Flasher |
| 3 | 1 | JDPPRT0510 | Hobbs Connector |
| 4 | 1 | JDPPRT0410 | Road Light Switch |
| 5 | 1 | JDPWASM0043-1 | Power Harness |
| 6 | 1 | JDPWASM0043-2 | Flasher Power Harness |
| 7 | 1 | JDPWASM0043-3 | RH Turn Signal Harness |
| 8 | 1 | JDPWASM0043-4 | LH Turn Signal Harness |
| 9 | 1 | JDPWASM0043-5 | RH Turn Signal Ground Harness |
| 10 | 1 | JDPWASM0043-6 | LH Turn Signal Ground Harness |
| 11 | 1 | JDPWASM0043-7 | Road Light Harness |
| 12 | 1 | JDPWASM0043-8 | Road Light Ground Harness |

| Revision | Decision | Date |
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 Angular = ± 1.0°

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|--------------------------|--------------------|--|-------------------|----------------------------|-----|
| Material | Req'd | JODALE PERRY CORPORATION Box 909, 300 Route 100, Morden MB, Canada | | | |
| Title | | BOXER Roadlight Switch Assembly | | | |
| Drawn By Dave Friesen | Date 2006-04-28 | Size B | Part Number | Project | Rev |
| Checked By | Date | Scale | Units Imperial | File Number JDPWASM0043 | |

| Item | Qty | Length | Color | File Number | Description |
|------|-----|--------|-------|---------------|-----------------------------|
| 1 | 1 | | | JDPPRT0497 | 14GA Switch Connector |
| 2 | 1 | 5" | Red | JDPWASM0044_2 | # 3 To C on Fan Switch |
| 3 | 1 | 10" | White | JDPWASM0044_3 | #4 To 85 on relay |
| 4 | 1 | | | JDPPRT0481 | Relay Connector |
| 5 | 1 | 6" 4" | Red | JDPWASM0044_1 | # 30 on relay to fuse block |
| 6 | 1 | 9" | Black | JDPWASM0044_4 | # 86 on relay to ground |
| 7 | 1 | 18" | White | JDPWASM0044_5 | # 87 to freeze switch |
| 8 | 1 | | | JDPPRT0519 | Freeze Switch |
| 9 | 1 | 18" | White | JDPWASM0044_6 | Freeze Switch to drier |
| 10 | 1 | | | JDPPRT0427 | Reciever Drier |
| 11 | 1 | | White | JDPWASM0044_7 | Drier to compressor |
| 12 | 1 | | | JDPPRT0321 | Relay |

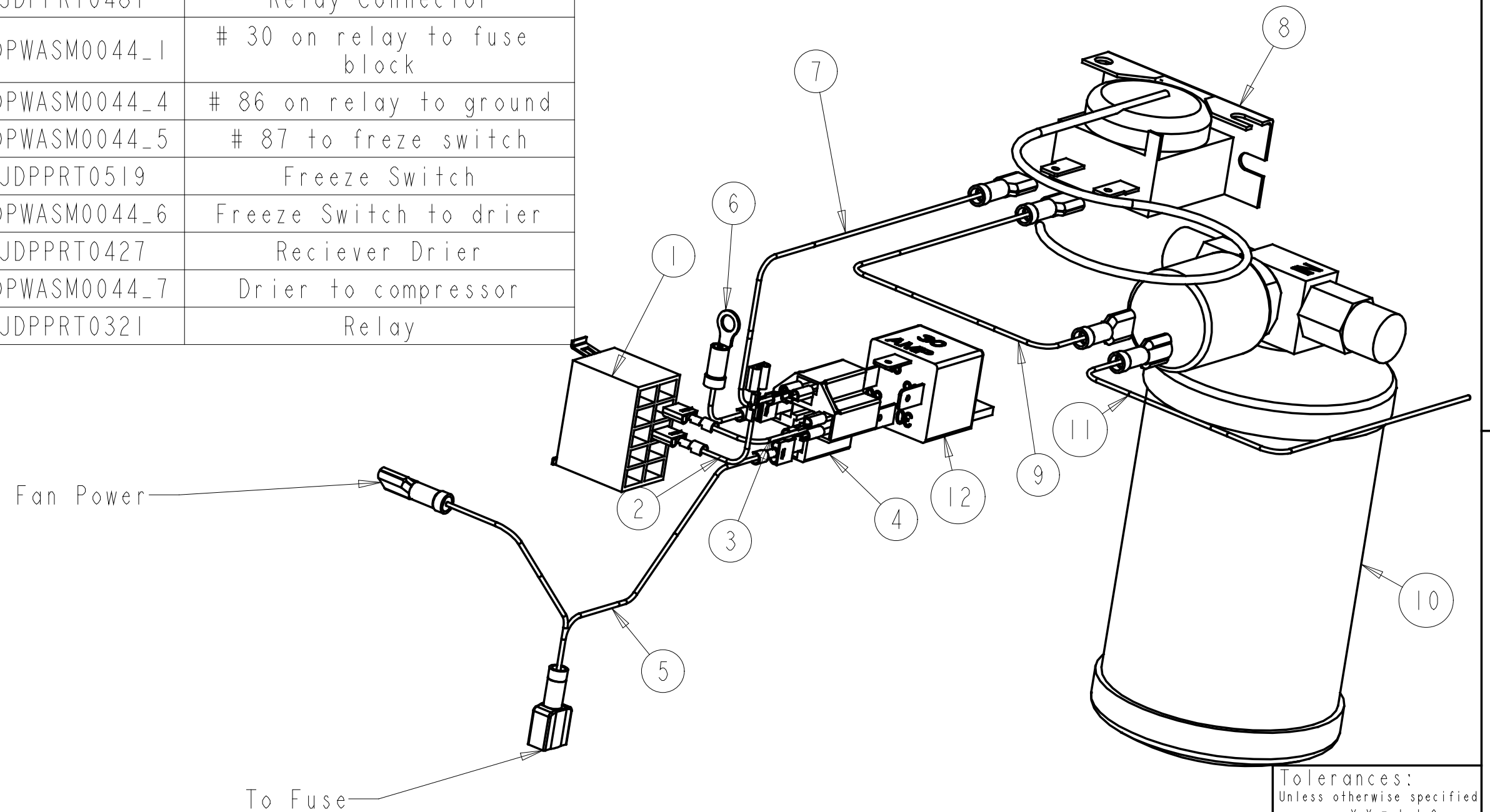
| Revision | Decision | Date |
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| | | | | | |
|--------------------------|--------------------|--|-------------------|----------------------------|-----|
| Material | Req'd | JODALE PERRY CORPORATION Box 909, 300 Route 100, Morden MB, Canada | | | |
| Title | | A/C Power Harness | | | |
| Drawn By Dave Friesen | Date 2006-06-07 | Size B | Part Number | Project | Rev |
| Checked By | Date | Scale | Units Imperial | File Number JDPWASM0044 | |