

August 2012

WAREHOUSE ON WHEELS DEMOUNTABLE CONCEPTS WIRING GUIDE

This bulletin is for any customer running the Warehouse on Wheels System that is experiencing marker light failures. It is imperative that immediate attention is given to this issue.

Our goal is to provide our customer and service providers the information and tools to solve this problem in a timely manner.

When Demountable Concepts completes work on new equipment for Warehouse on Wheels customers, each component (straight-truck chassis, van body and rail trailer) is wired the same way. This wiring configuration has remained the same for the entire period we have manufactured the system. The enclosed information will provide you with the proper wiring information for each component.

STRAIGHT-TRUCK CHASSIS

Each straight truck is equipped with a 4-pin light plug. When the truck is in operation, all marker and dome lights should be working. The plug is configured as follows:

White & Black are hot with the markers on.

Green is ground

Please refer to drawing

“4-way light plug wiring diagram chassis lift”

SEMI-TRAILER CHASSIS:

The semi-trailer is equipped with two, 4-pin light plugs. When two bodies are being transported on the semi-trailer, all marker lights, except the red lights on the front body should be illuminated. It is a violation to have red markers illuminated anywhere except at the rear of the trailer. The two plugs are configured as follows:

FRONT PLUG:

White is hot with the markers on.

Black is not wired in the front plug

Green is ground

REAR PLUG:

White & Black are hot with the markers on.

Green is ground

Please refer to drawings:

“4-way plug & receptacle – trailer harness”

“trailer body wiring, Morgan bodies”

VAN BODIES:

Each van body is equipped with a 4-way receptacle. The receptacle is configured as follows:

White terminal lights the amber and dome lights

Black terminal lights the red markers only

Green is ground

Please refer to drawing:

“4-way plug & receptacle”

Demountable Concepts Light Test Kit
Part # DC-LK-1000
Fleet Price - \$586.00

Kit consists of the following:

BODY TEST PLUG

4-way light plug with cord.

Cord is connected to booster PAC power service.

This properly wired test plug will determine if the body receptacle is wired correctly.

Both amber and red lights on the body should work.

TRUCK & TRAILER TEST RECEPTACLE

4-way light plug receptacle with amber and red LED lights attached.

This receptacle will be used to test the straight truck plug and both plugs on the trailer. A properly wired straight truck will have both amber and red lights illuminate. The front plug on the trailer should only illuminate the amber light. The rear plug on the trailer should illuminate both amber and red lights.

If, after testing the components and rewiring has been completed and there are still problems, please contact Demountable Concepts for further trouble shooting.

Demountable Concepts, Inc.
800.254.3643
info@demount.com

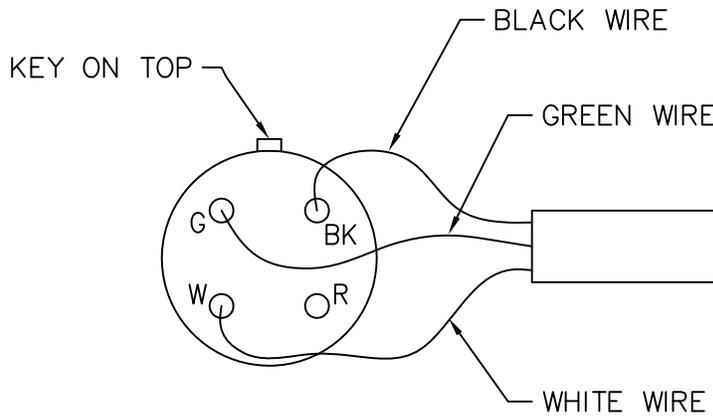
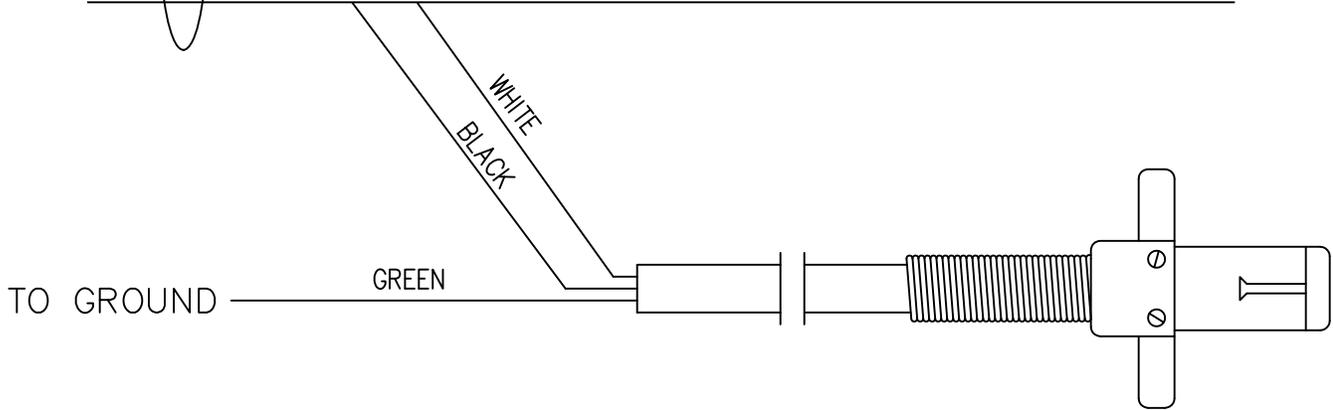
CHASSIS WIRING HARNESS

REVERSE

LT/ST

RT/ST

MARKER



VIEW FROM BACK
OF PLUG



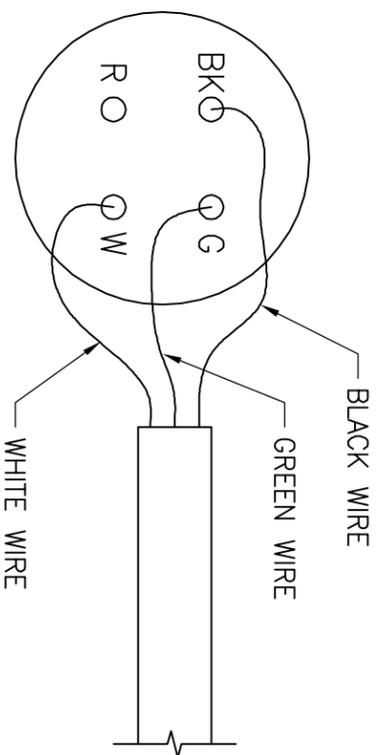
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4-WAY LIGHT PLUG WIRING DIAGRAM
CHASSIS LIFT
FOR:

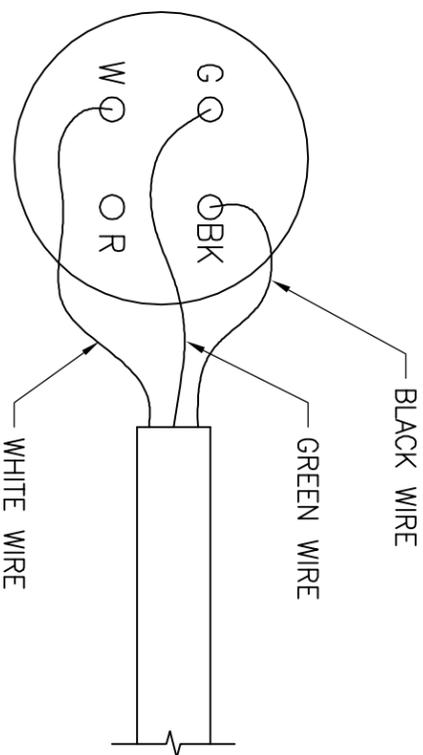
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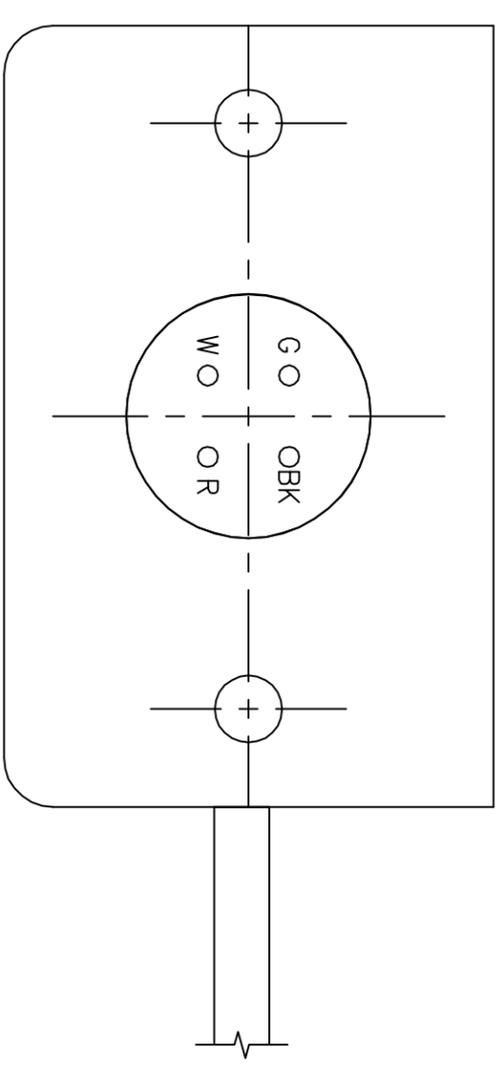
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DRAWN KEVIN PERKINS	DATE 03/03/03	JOB NO.	
SCALE	CAD NO.	SHEET 1 OF 1	



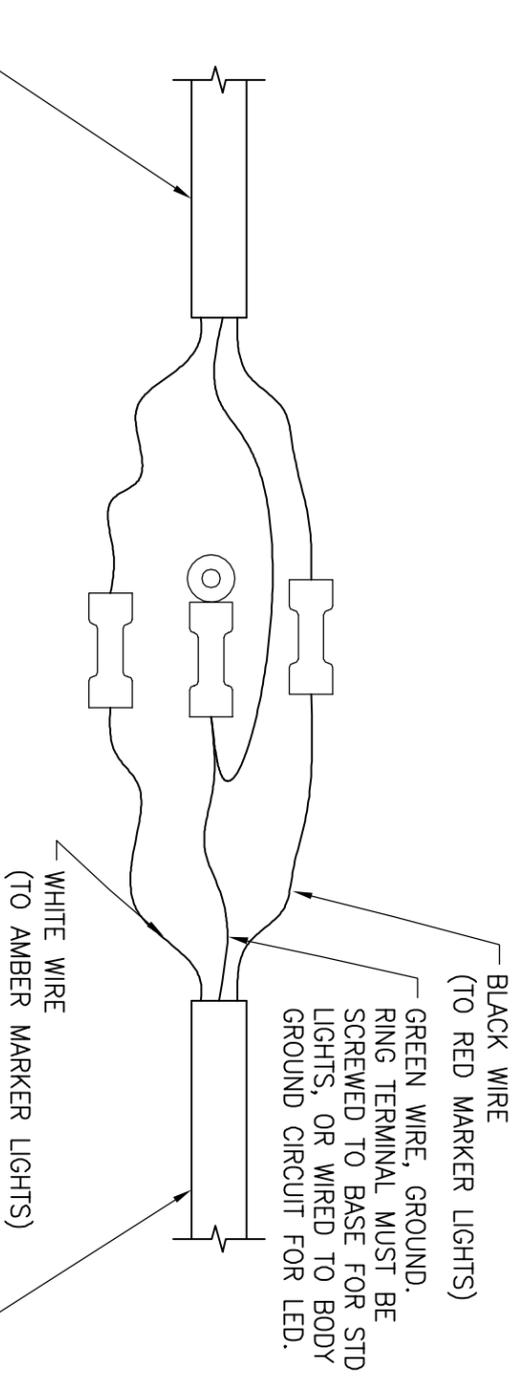
VIEW FROM BACK
OF RECEPTACLE



VIEW FROM BACK
OF PLUG



VIEW FROM FRONT
OF RECEPTACLE



BODY HARNESS

BASE HARNESS

NOTE: ALL BUTT CONNECTORS TO BE HEAT SEALED,
AND WIRES COILED UP INTO BODY AND SECURED.

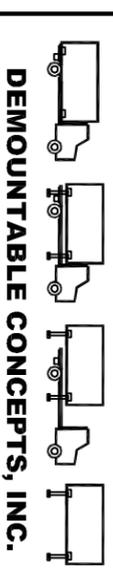


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4 WAY PLUG & RECEPTACLE WIRING

FOR:

SIZE	REV. NO.	PART NO.
A	0	
DRAWN	DATE	CAD NO.
KEVIN PERKINS	10/25/02	
SCALE		SHEET
NTS		1 OF 4



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4 WAY PLUG & RECEPTACLE WIRING

FOR:

SIZE	REV. NO.	PART NO.
A	0	
DRAWN	DATE	CAD NO.
KEVIN PERKINS	10/25/02	
SCALE		SHEET
NTS		2 OF 4

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TRUCK-LITE HARNESSES #77342 (96"),
 72" OF 16/2 CABLE, OR CONNECTOR
 #77850.

HEAT SHRINK BUTT CONNECTOR

BROWN or BLACK WIRE
 (MARKER LIGHTS)

GREEN WIRE
 (DO NOT USE!)

WHITE WIRE
 (GROUND CIRCUIT)

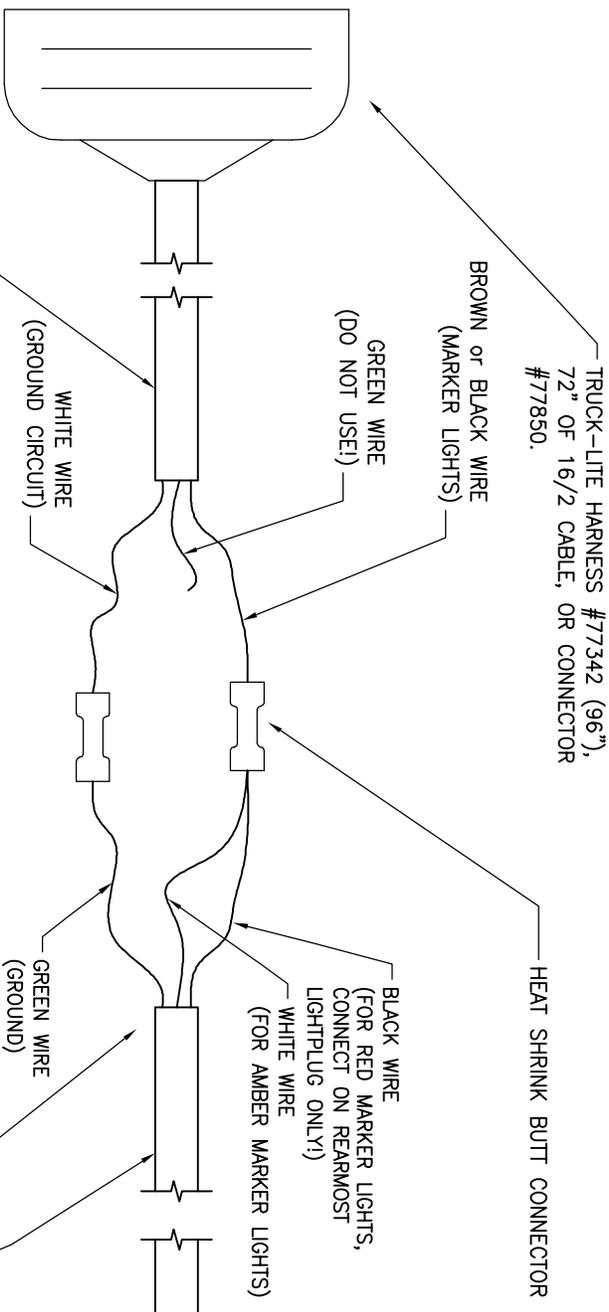
BLACK WIRE
 (FOR RED MARKER LIGHTS,
 CONNECT ON REARMOST
 LIGHTPLUG ONLY!)

WHITE WIRE
 (FOR AMBER MARKER LIGHTS)

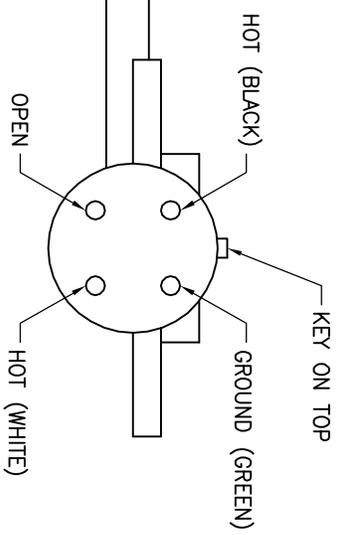
GREEN WIRE
 (GROUND)

STRIP 6" OF INSULATION

TRAILER HARNESSES,
 TO JUNCTION BLOCK
 4 WAY COILED
 CORD, PLUG END

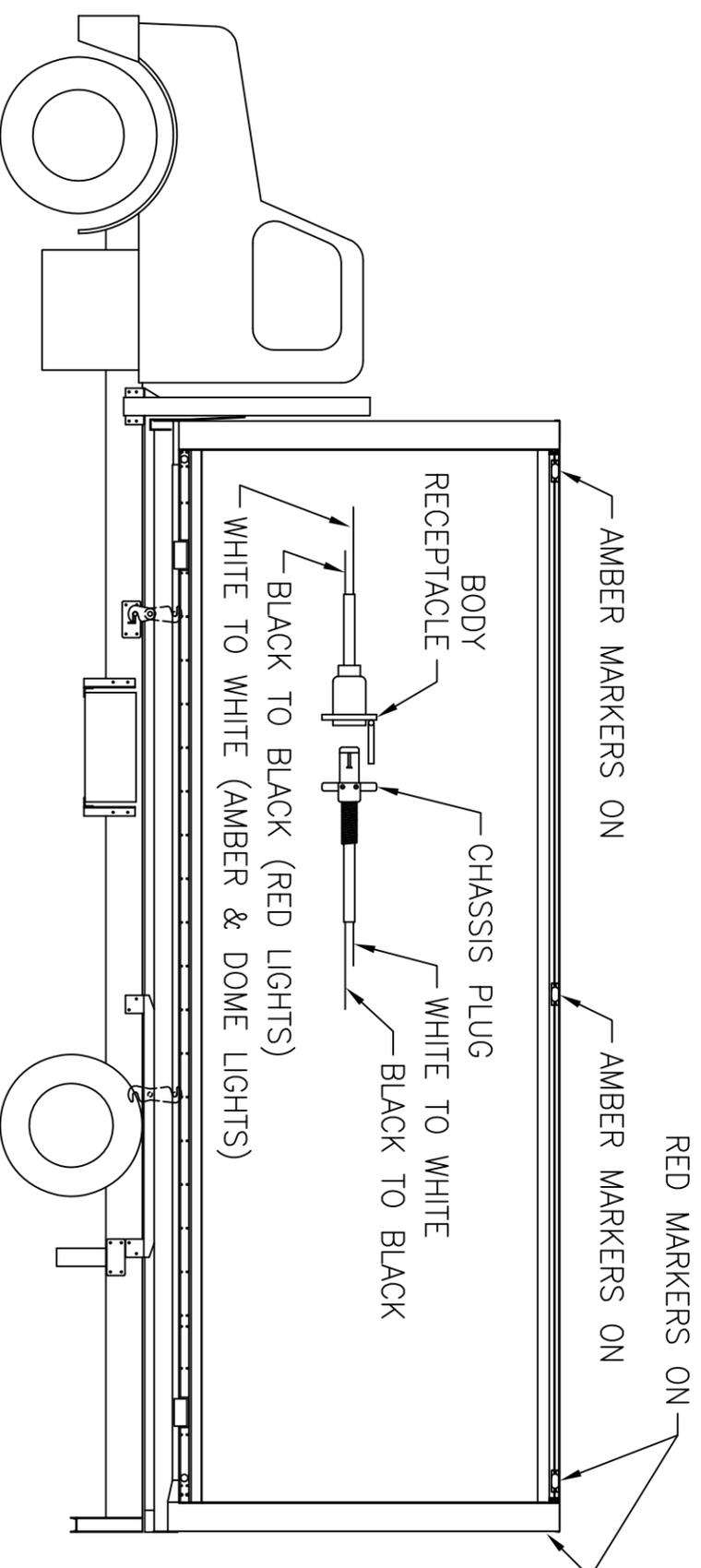
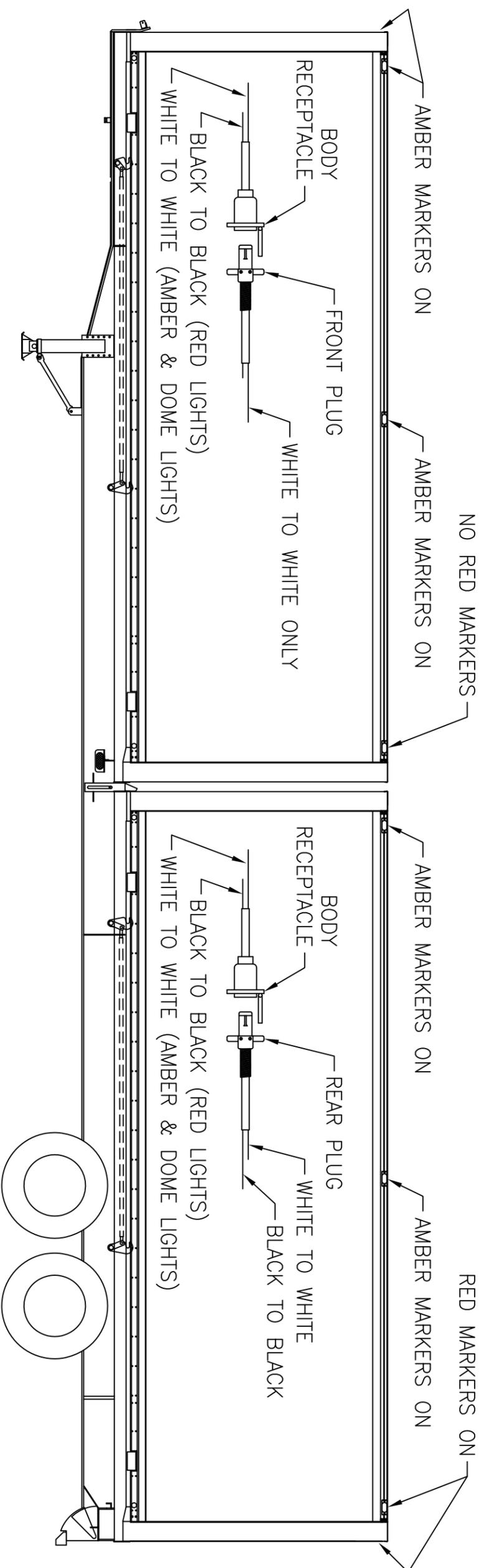


VIEW FROM
 FRONT OF PLUG



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DEMOUNTABLE CONCEPTS, INC.	
4 WAY PLUG & RECEPTACLE WIRING TRAILER HARNESSES	
SIZE: REV. NO.	PART NO.
B	DC-TR-1153
FOR:	
KEVIN PERKINS	
DATE: 10/25/02	DRAWN BY:
CAD# 4 WAY WIRING	SHEET 4 OF 4



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TRAILER BODY WIRING
MORGAN TRAILER BODIES
FOR:



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SIZE	REV. NO.	PART NO.
B	0	
DRAWN	DATE	JOB NO.
KEVIN PERKINS	11/5/02	
SCALE	CAD NO.	SHEET
1/4"=12"	MARKER WIRING	1 OF 1