

Replacement Parts Guide

For TraFFix Scorpion II MASH TMA

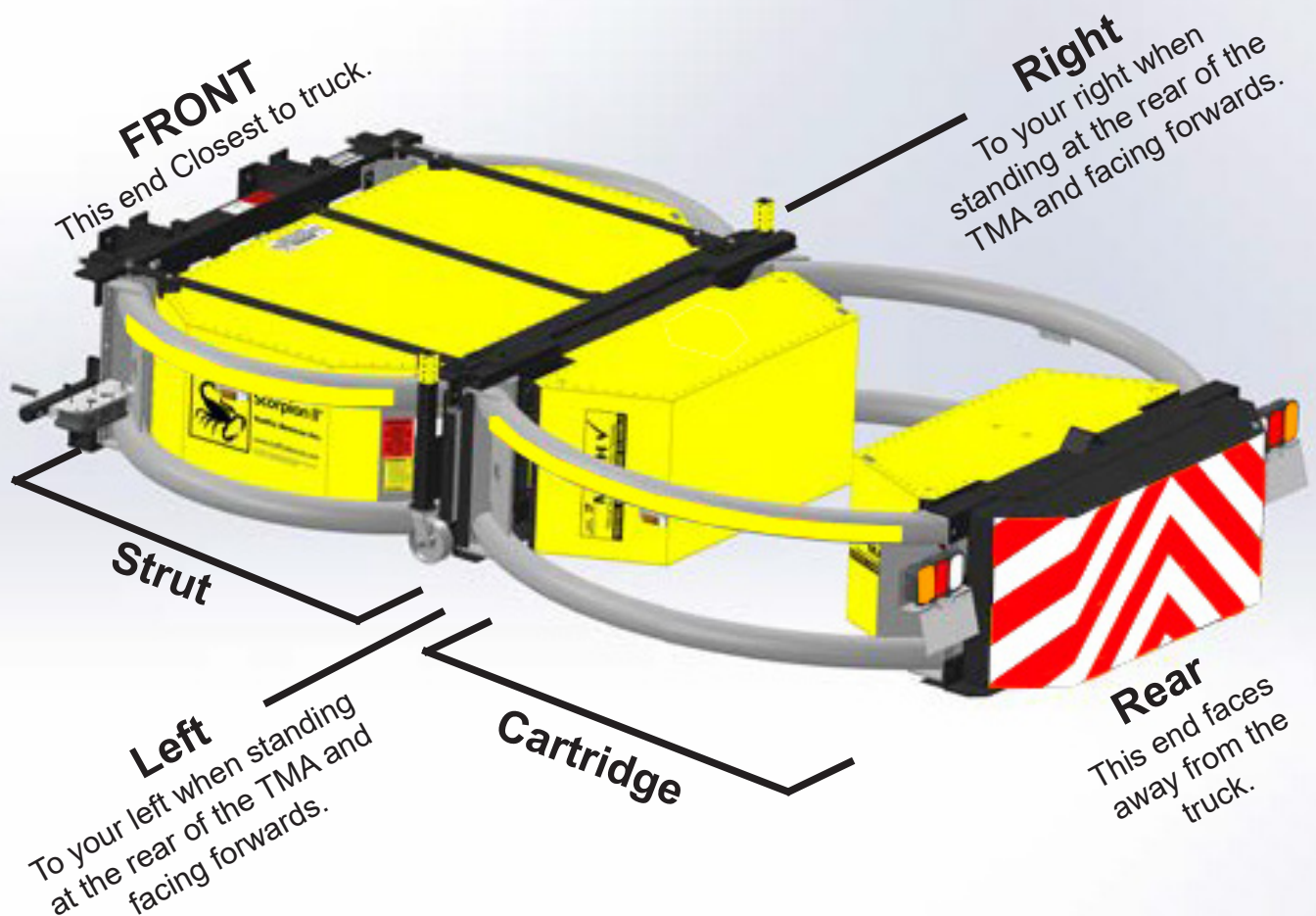


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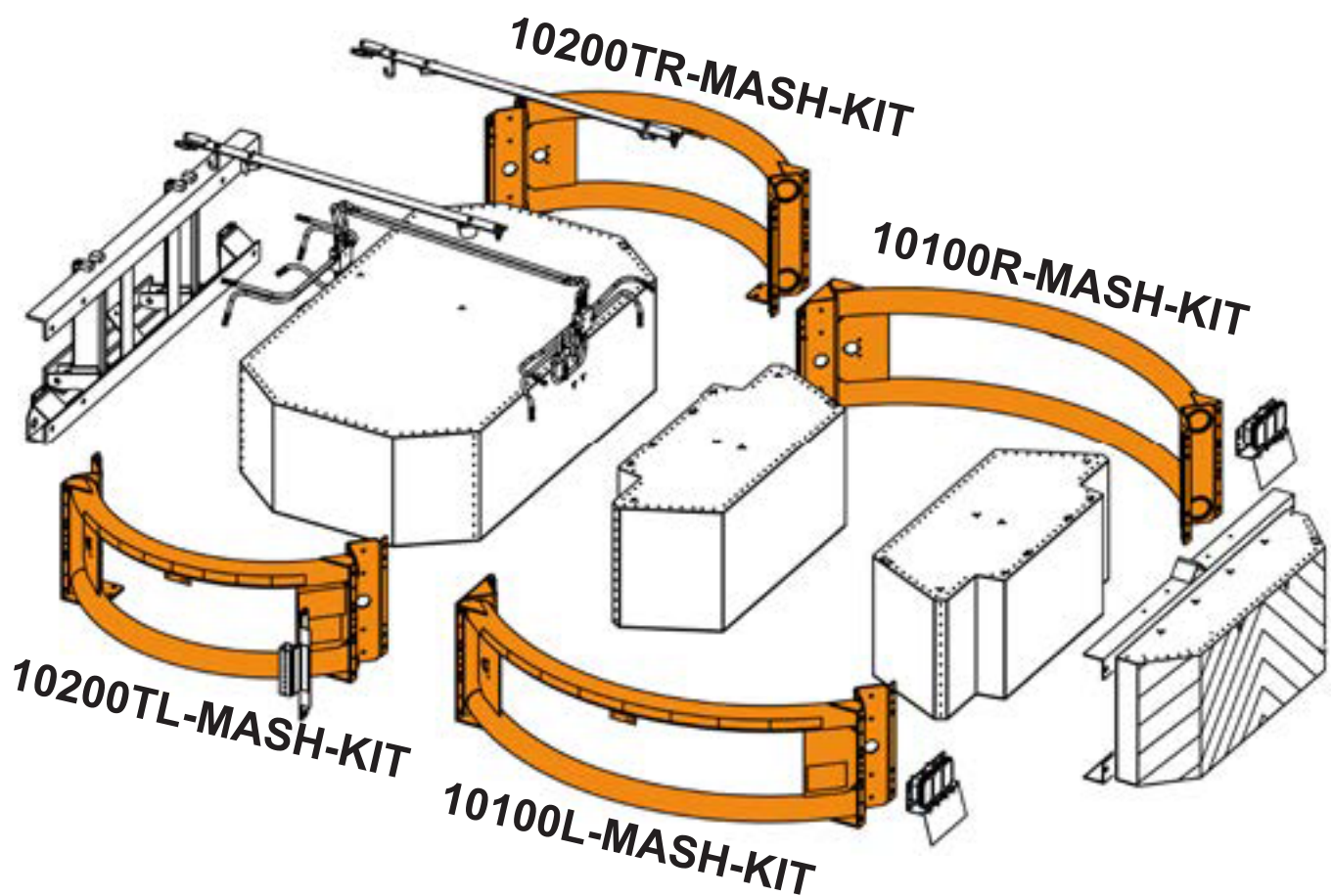
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Overview & Orientation

TrafFix Scorpion Truck Mounted Attenuator



Tubes



10200TL-MASH-KIT

Strut Tube, Front Left



10200TR-MASH-KIT

Strut Tube, Front Right



10100L-MASH-KIT

Cartridge Tube, Rear Left

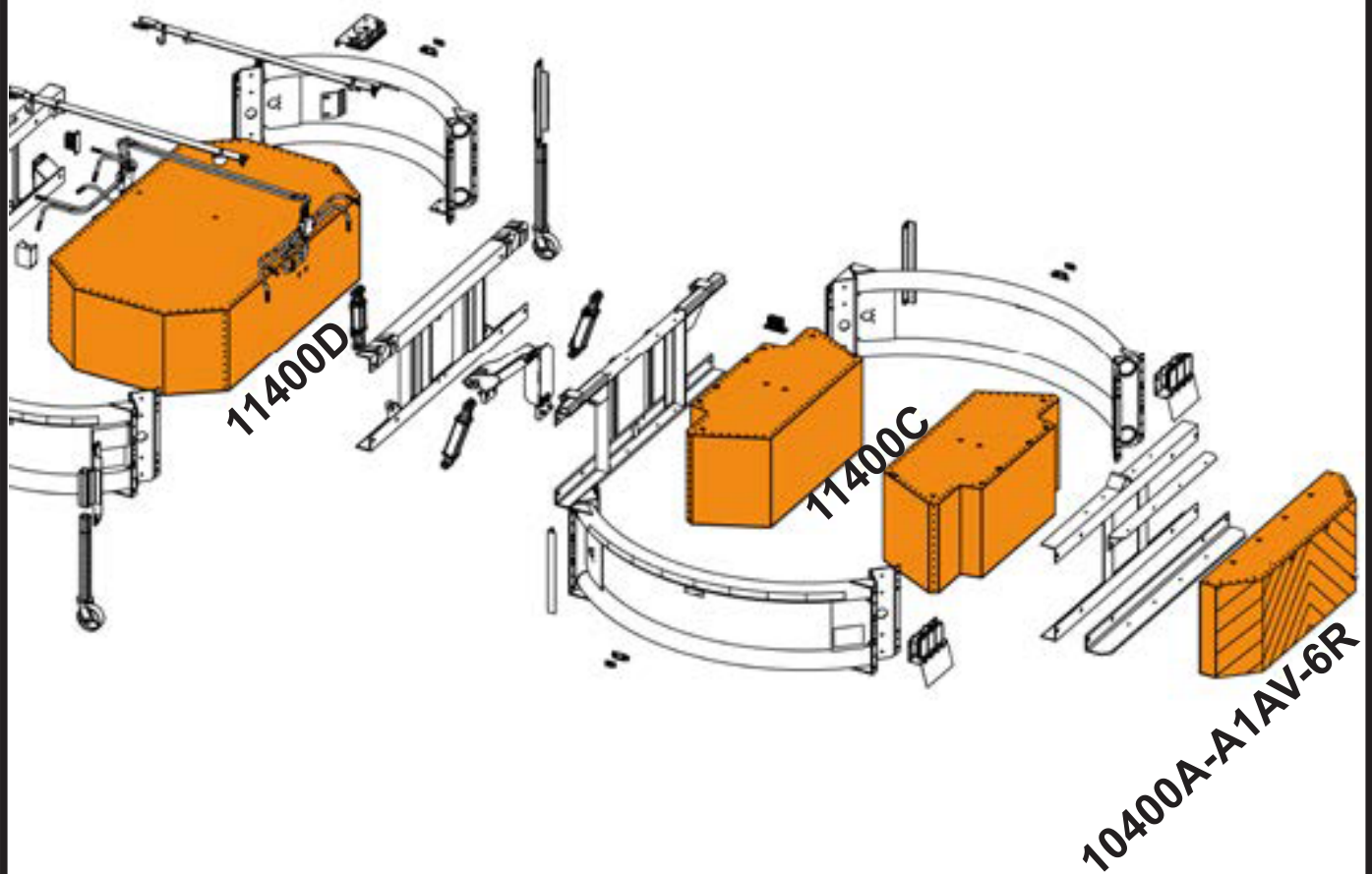


10100R-MASH-KIT

Cartridge Tube, Rear Right



Energy-Absorbing Modules

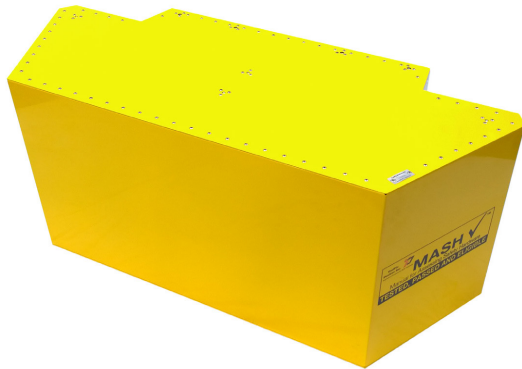




11400D

Module D

Energy-Absorbing Module
Includes Scorpion Logo



11400C

Module C

Energy-Absorbing Module

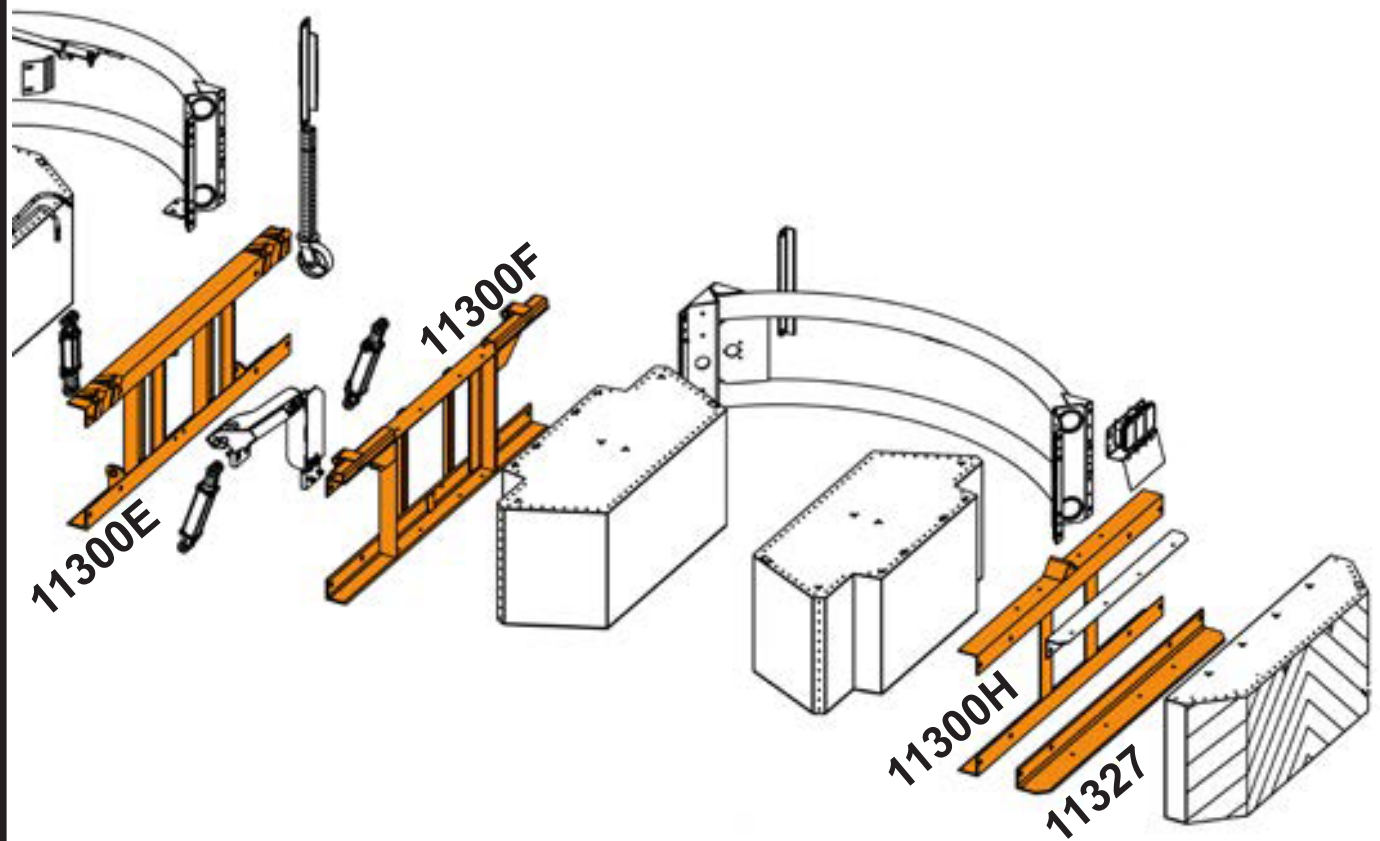


10400A-W1AV-6R

Module A

Energy-Absorbing Module
6" Red Sheeting on White

Diaphragms and Bottom Angle





11300E

Diaphragm

Strut Rear



11300F

Diaphragm

Cartridge Front



11300H

Diaphragm

Cartridge Rear

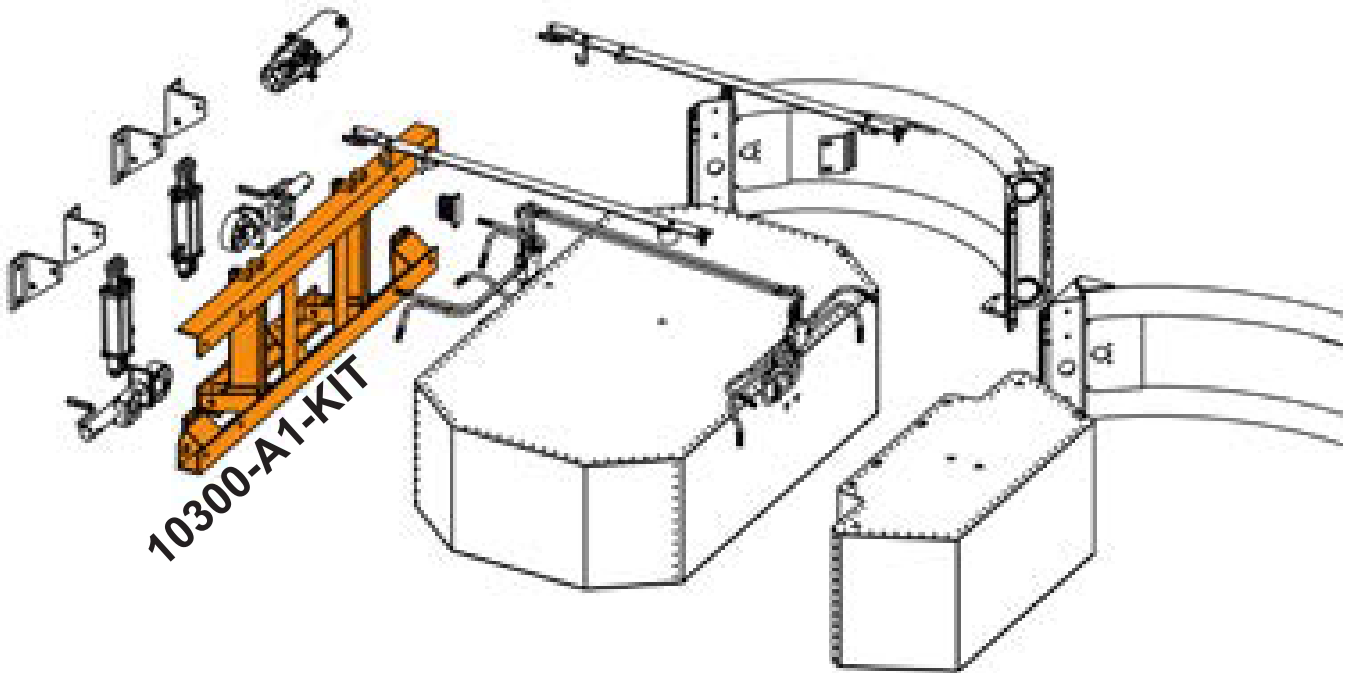


11327

Bottom Angle

Cartridge Rear

Backup Frame



10300-A1-KIT

Backup Frame
including hardware, stickers & grease nipples.



12076



AP1000-RED-3.5



12017



WARNING:
PINCH POINT

10913



10120



12015-6.0

Includes (4) Stickers, (6) 1/4" Grease Nipples, (2) 1" R Clips & (2) 6" Clevis Pin

Mounting Brackets

Choice of either standard mounting brackets or upgrade kit
These brackets attach the TMA to the host truck.

10352

Left Mounting Bracket
(2 Required)



10351

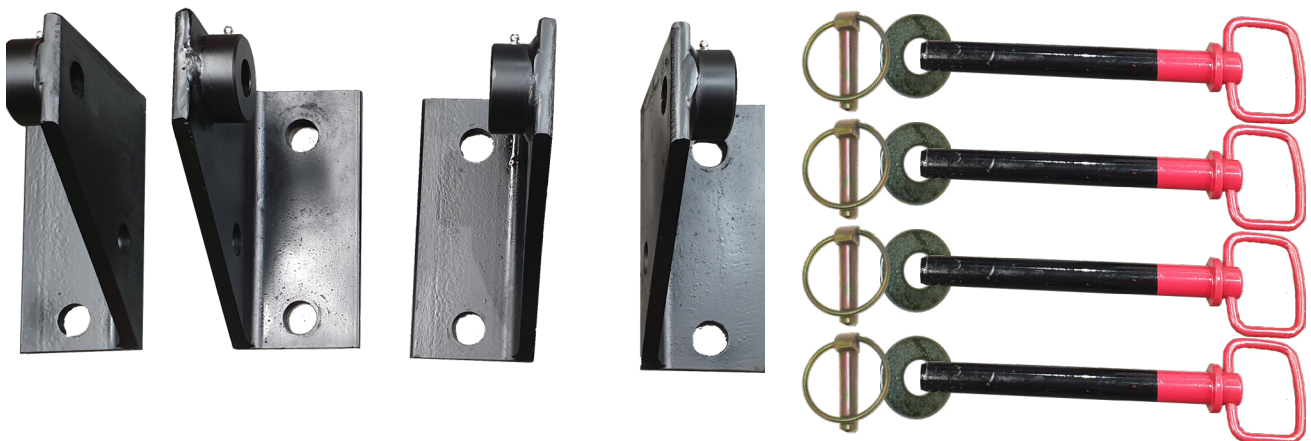
Right Mounting Bracket
(2 Required)



Upgraded Mounting Bracket Kit

Upgraded Mounting Bracket Kit consists of mounting brackets with bushes and grease nipples, red head pins, washers & lynch pins

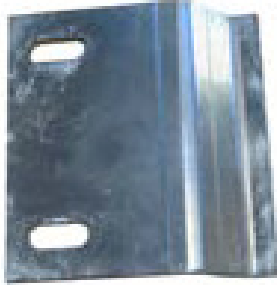
0026-A1-KIT



Includes (4) Angles w/ Bush & Nipple, (4) Lynch Pins, (4) Washers & (4) Redhead Pins

10204

Universal Energy-Absorbing
Bracket
(suitable for left or right)



10118

Universal Tension Strap Set
(comes as pair)



10122

Universal Vertical Support
Angle attaches to cartridge
tube.



10465

Rear Top Angle attaches to
Module A.



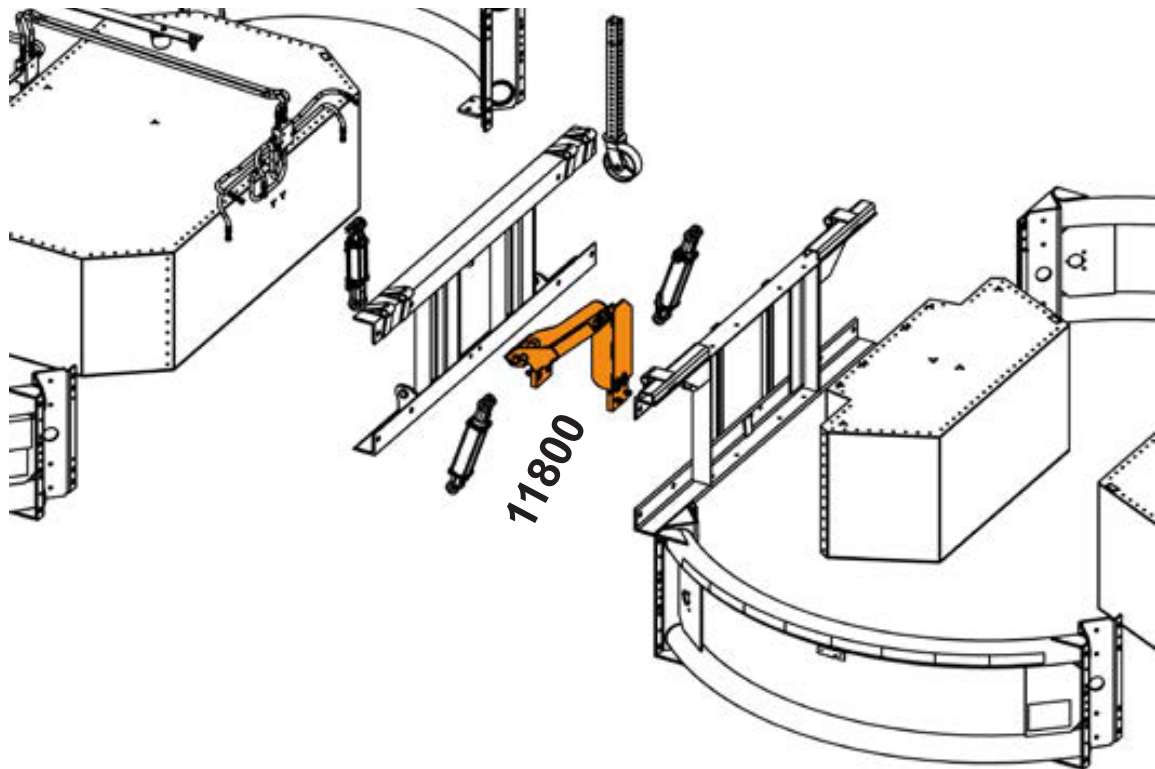
12144-01

1" x 10"/250mm Pivot Pin
Suit Diaphragm Hinge



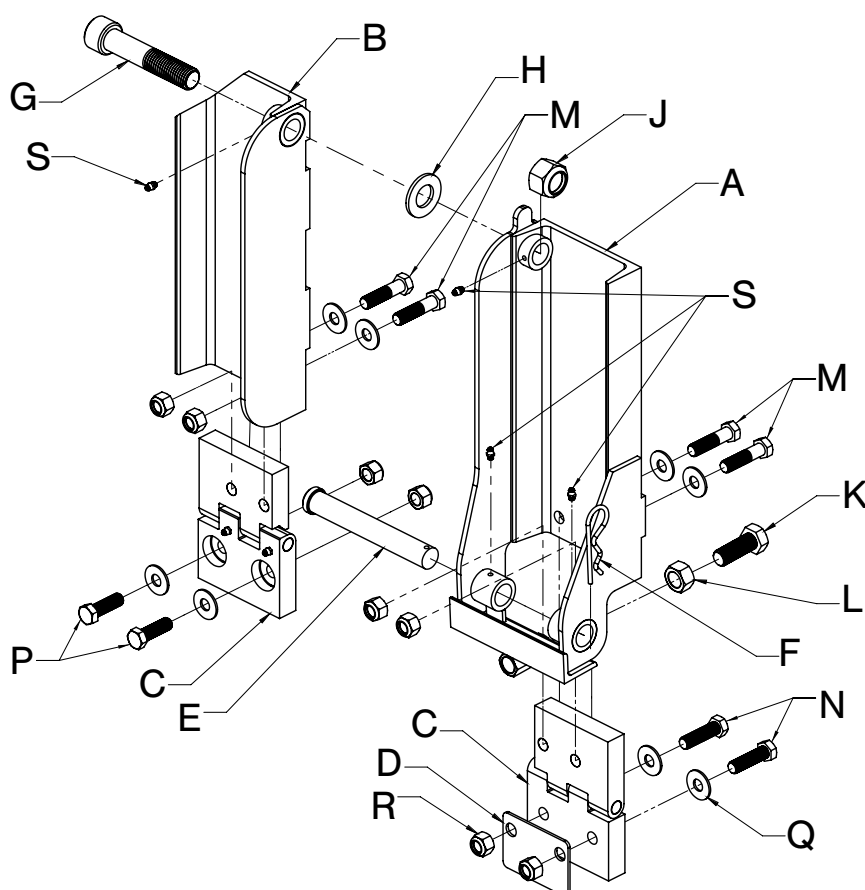
Includes (2) M5 x 35mm Stainless Steel Bolts, (2) M5 Stainless Steel Nyloc Nuts

Lockout Arm



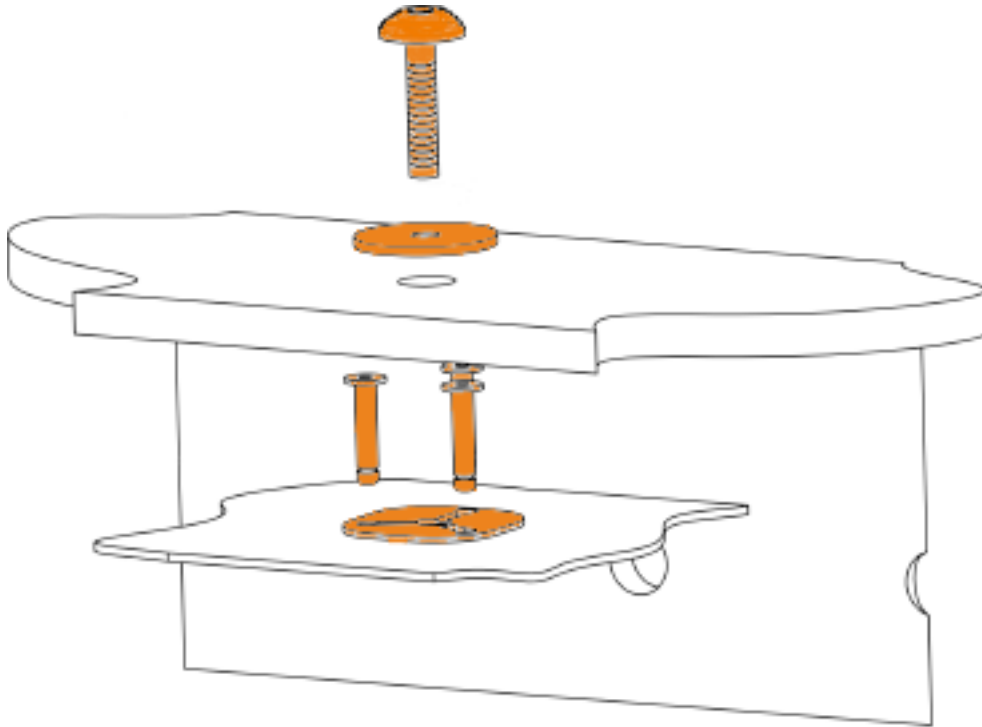
11800





Ref.	Description	Part Number	Qty.
A	Strut Side Lockout Arm	11860	1
B	Cartridge Side Lockout Arm	11850	1
C	Lockout Arm Hinge	12216	2
D	Wear Plate	11855	1
E	1" x 6.75" Zinc Clevis Pin	12143	1
F	1" R-Clip	12017	1
G	1" x 3.75" Bolt (Grade 8)	12393-ZUR-3.75	1
H	1" Washer (Grade 8)	12001	1
J	1" Nyloc Nut (Grade 8)	12012	1
K	3/14" x 2" Bolt (Grade 5)	12006	1
L	3/4" Nut (Grade 5)	12451-ZUM	1
M	9/16" x 2.25" Bolt (Grade 8)	12381-YUH-2.25	4
N	9/16" x 2" Bolt (Grade 8)	12381-YUH-2.0	2
P	9/16" x 1.75" Bolt (Grade 8)	12381-YUH-1.75	2
Q	9/16" Washer (Grade 8)	12075	8
R	9/16" Nyloc Nut (Grade 8)	12066	8
S	1/4" Thread Grease Nipple	12076	4

Module Binding Nut



12138-KIT

Module Binding Nut Kit



Includes (1) Allen Key Bolt, (1) Lrg Washer, (1) Binding Nut & (3) Pop Rivets

Arrow Board Vertical Lift

10370A-02

2" x 48"

**Vertical Lift
Hydraulic Cylinder**

10645-TRNS

**Vertical Lift
Manifold Assembly**



Cylinder Markings
662221 20LH48-112 ORB



**HOSE 3200MM
HOSE 3200MM
HOSE 5000MM**

Straight/90° Elbow



**HOSE 3200MM
HOSE 5000MM**
Straight/Straight

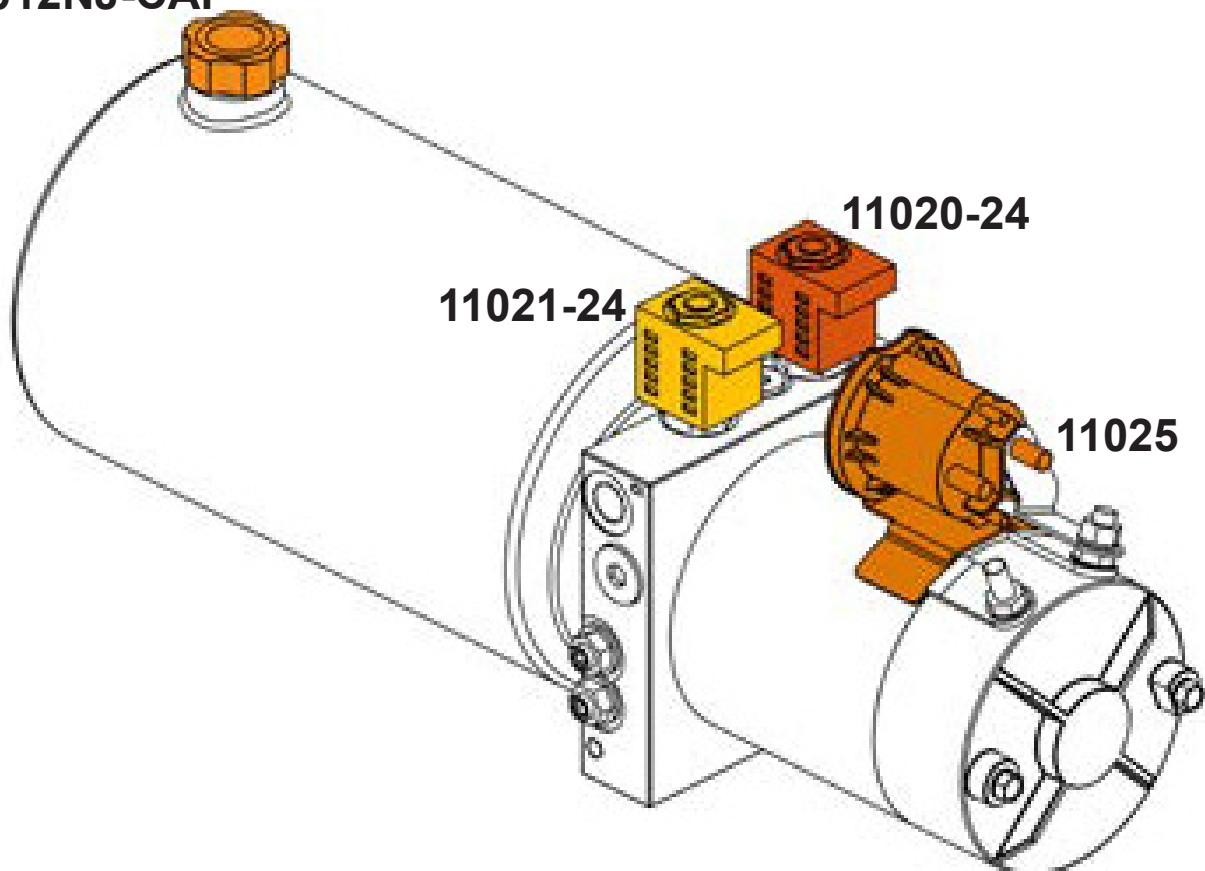


0080

**Vertical Lift 24 Volt
Hydraulic Pump**

Hydraulics

1012NJ-CAP



11010

12 Volt Motor Assembly

Includes Valves, Solenoid and Cap



11011

24 Volt Motor Assembly

11012NJ-CAP

Cap



11024 12 Volt

11025 24 Volt
Solenoid



11020-12 12 Volt

11020-24 24 Volt
C2 Valve

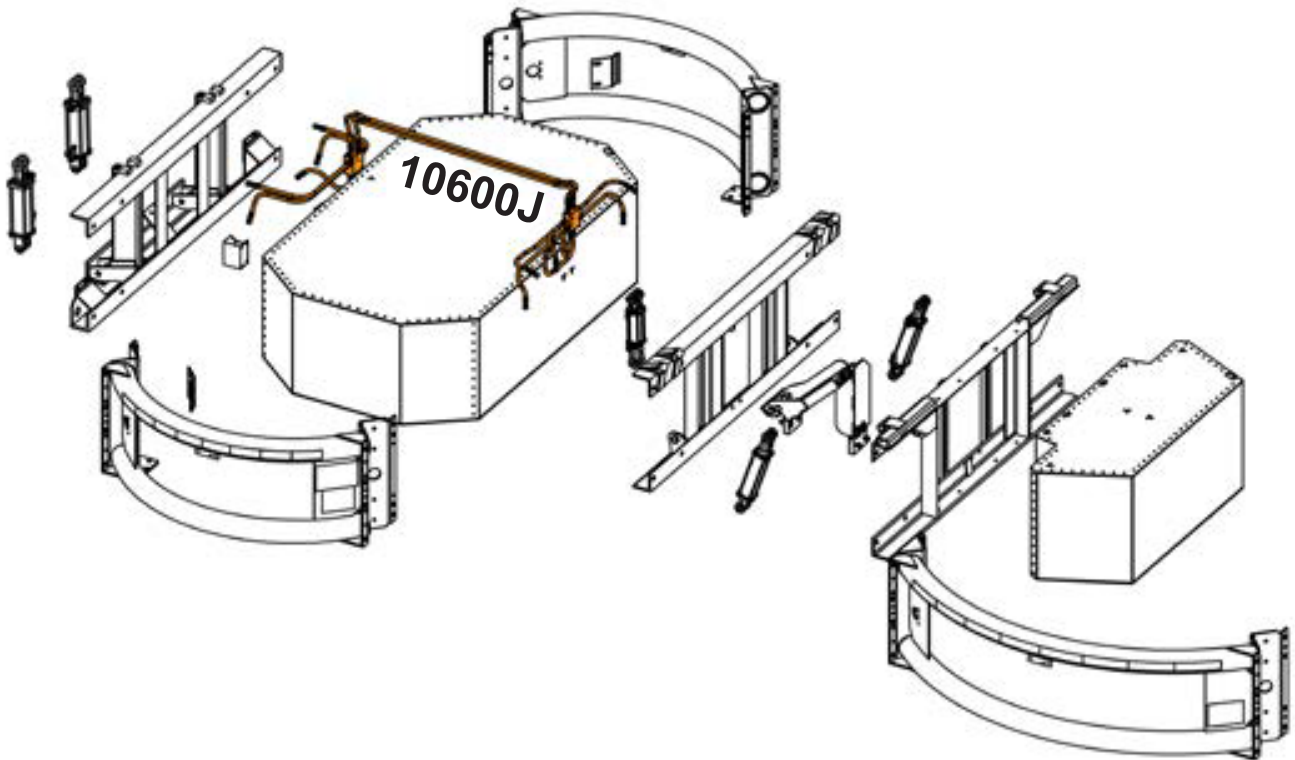


11021-12 12 Volt

11021-24 24 Volt
C1 Valve



Hydraulic Hose Kit



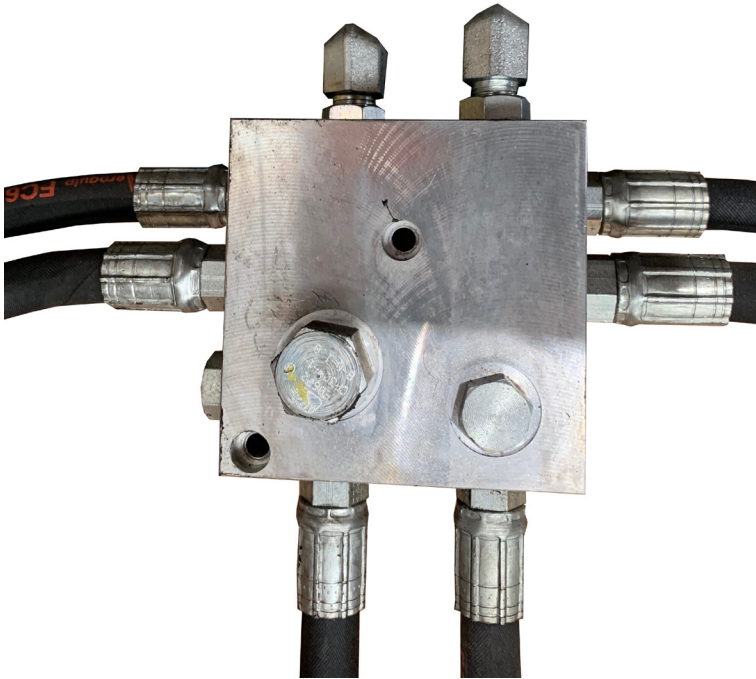
10600J Complete Hydraulic Hose Assembly



Hydraulic Manifolds

10647

Hydraulic Hose Kit Front Manifold



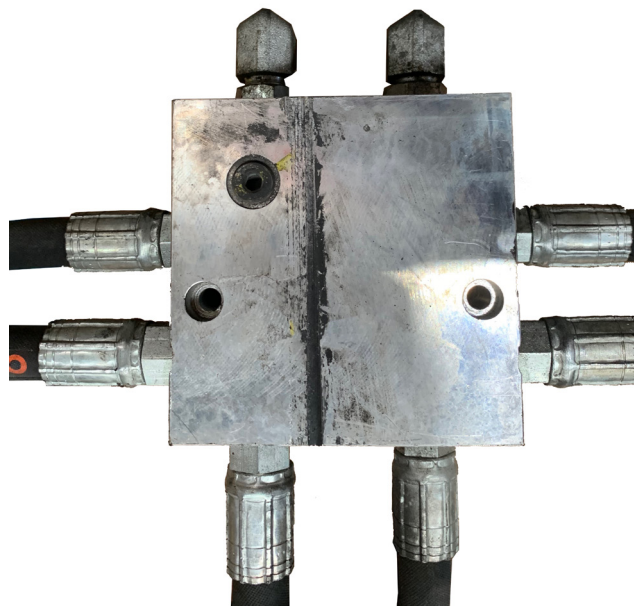
10464-1.8

**1.8 GPM Flow
Control Valve**

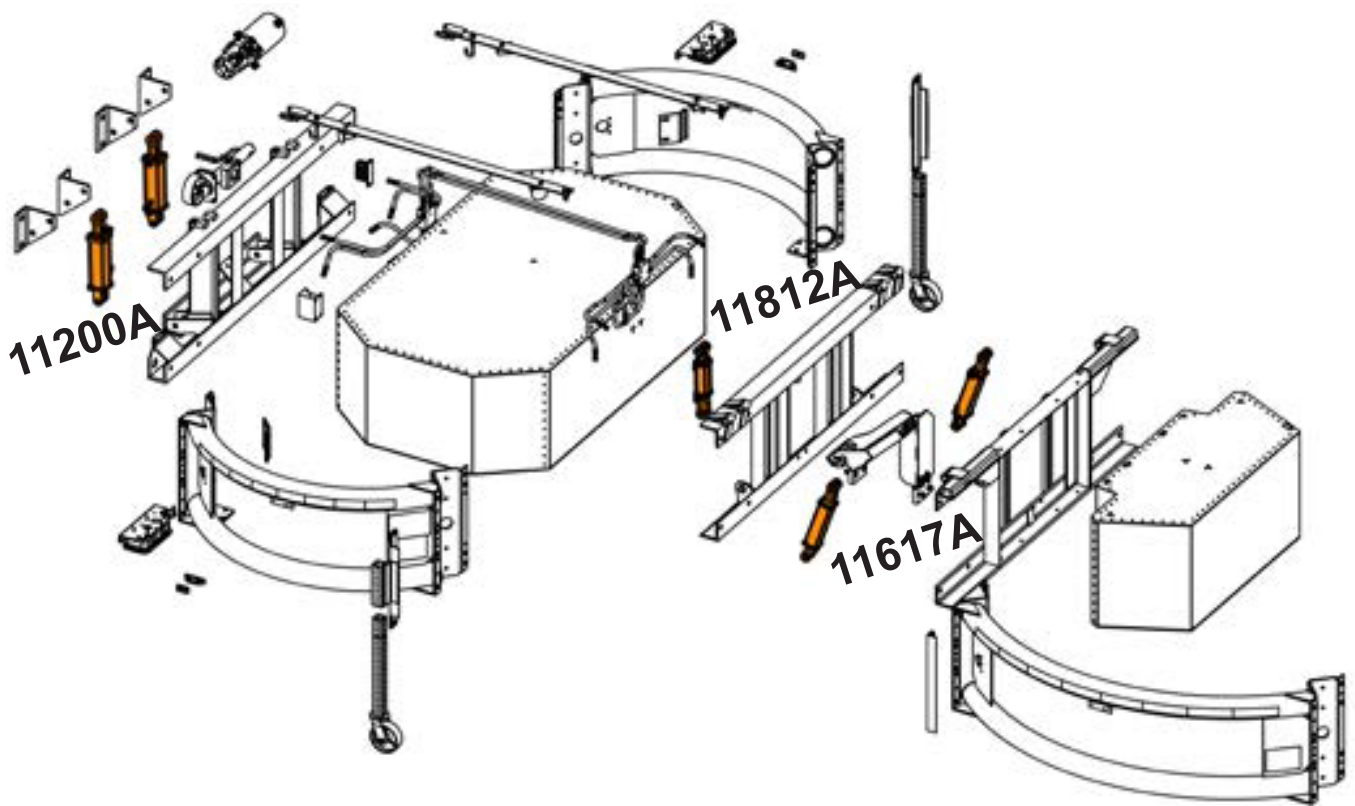


10648

Hydraulic Hose Kit Rear Manifold



Cylinders



11200A

3" Strut Cylinder



10663
90° Fitting

Cylinder Markings
661848 30THC08-125
TRAFFIX # 11200-01

10661
Velocity Fuse

10662
90° Fitting

Hardware

Not Included
Must be ordered separately



12012
1" Nyloc
Nut

12011
1" x 5 1/2" Bolt



10640
3" Seal Kit

12017
1" R-Clip



12015-6.0
6" Clevis Pin

11617A

2.5" Strut to Cartridge Cylinder

Cylinder Markings

662387 25TH08-1120 RB

2 1/2" Bore x 8" Stroke



10663
90° Fitting

10661

Velocity Fuse

10662
90° Fitting

Hardware

Not Included
Must be ordered separately

12001
Washer

12015-3.375
3-3/8" Clevis Pin

12001
Washer



12033-01
Zinc Cotter Pin

12033-01
Zinc Cotter Pin



10639
2.5" Seal Kit

12033-01
Zinc Cotter Pin

12017
1" R-Clip



12001
Washer

12015-3.375
3-3/8" Clevis Pin

11812A

2" Lockout Arm Cylinder



10663

90° Fitting

10663

90° Fitting

Cylinder Markings

661846-P 20THC04-112

TRAFFIX # 10812-01

Hardware

Not Included
Must be ordered separately
12015-3.375

3-3/8" Clevis Pin



12001
Washer



12033-01
Zinc Cotter Pin

12017
1" R-Clip



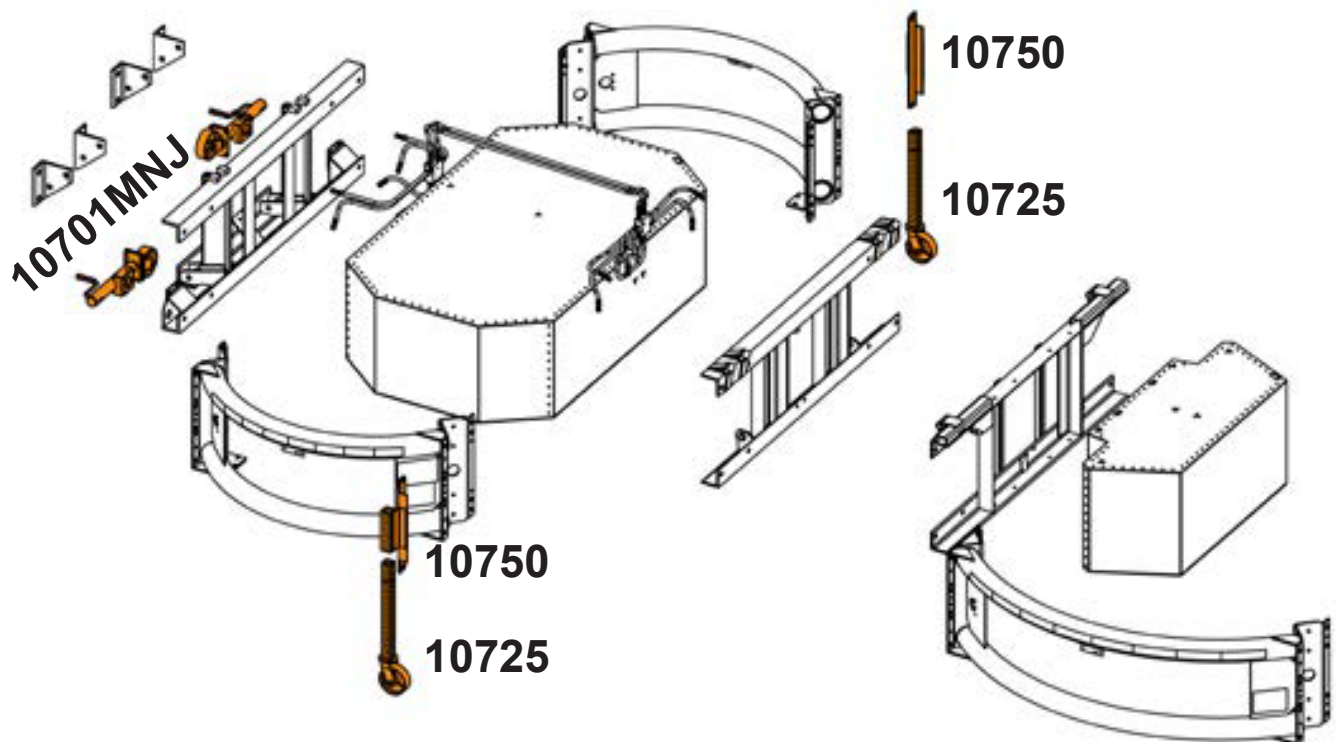
10638
2.5" Seal Kit

12017
1" R-Clip



12143
7" Clevis Pin

Jacks



Swivel Jacks

Universal (suitable for left or right placement).

10701MNJ Heavy Duty Swivel Jack



Drop Jacks

Universal (suitable for left or right placement).

10750 Drop Jack Mounting Bracket



10725 Drop Jack



Electronics

10507C

Motion Alarm
Self Adjustiung 87-112db



BBS97SA

Broadband Motion Alarm
Self Adjusting 77-97db



11026

2-Way Switch Controller
with Cable & Connector



54419

Inline ANL Fuse Holder

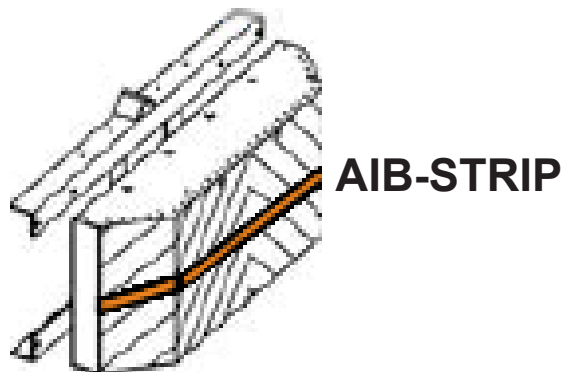


53915

150 Amp ANL Fuse



Automatic Impact Brake



AIB-STRIP

3 Piece Rubber Strip & Aluminium Channel



AIB-24V

Stopguard Automatic Impact Braking System



AIB-0004

Automatic Impact Brake Loom

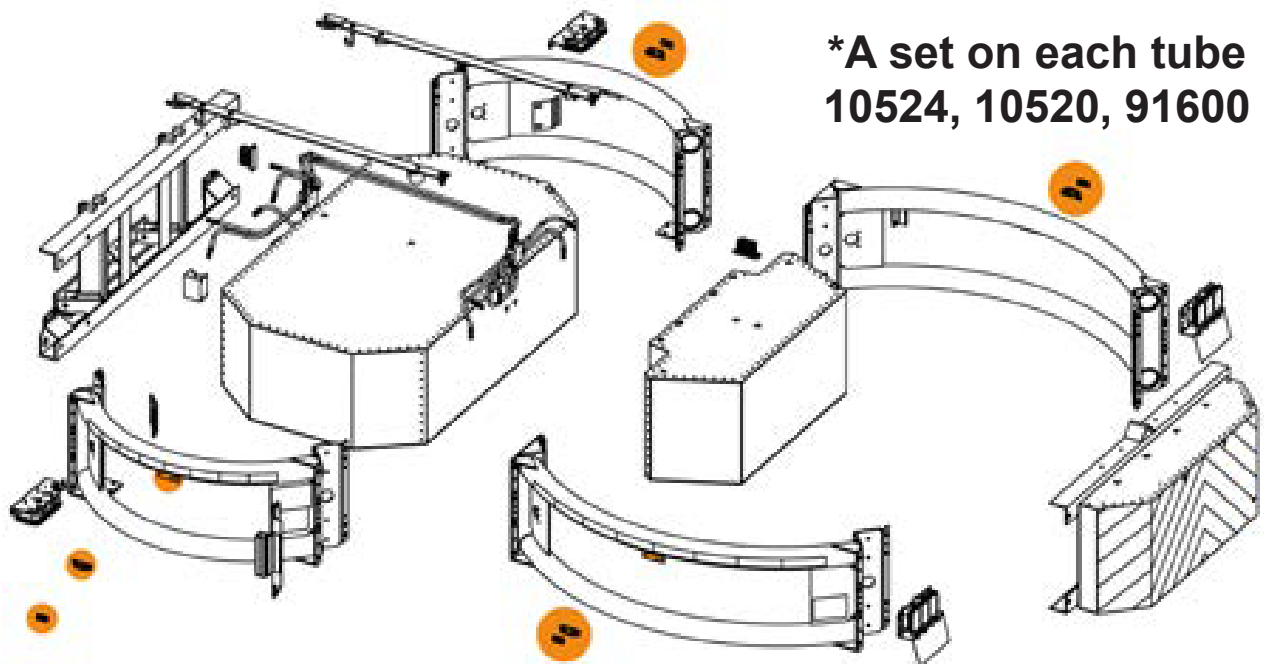


AIB-0007

Impact Guardian Horn Activation Module



Tube Side Marker Lights



***A set on each tube
10524, 10520, 91600**

10524

**Tube Angle
Bracket**



10520

**Side Marker
Light Bracket**

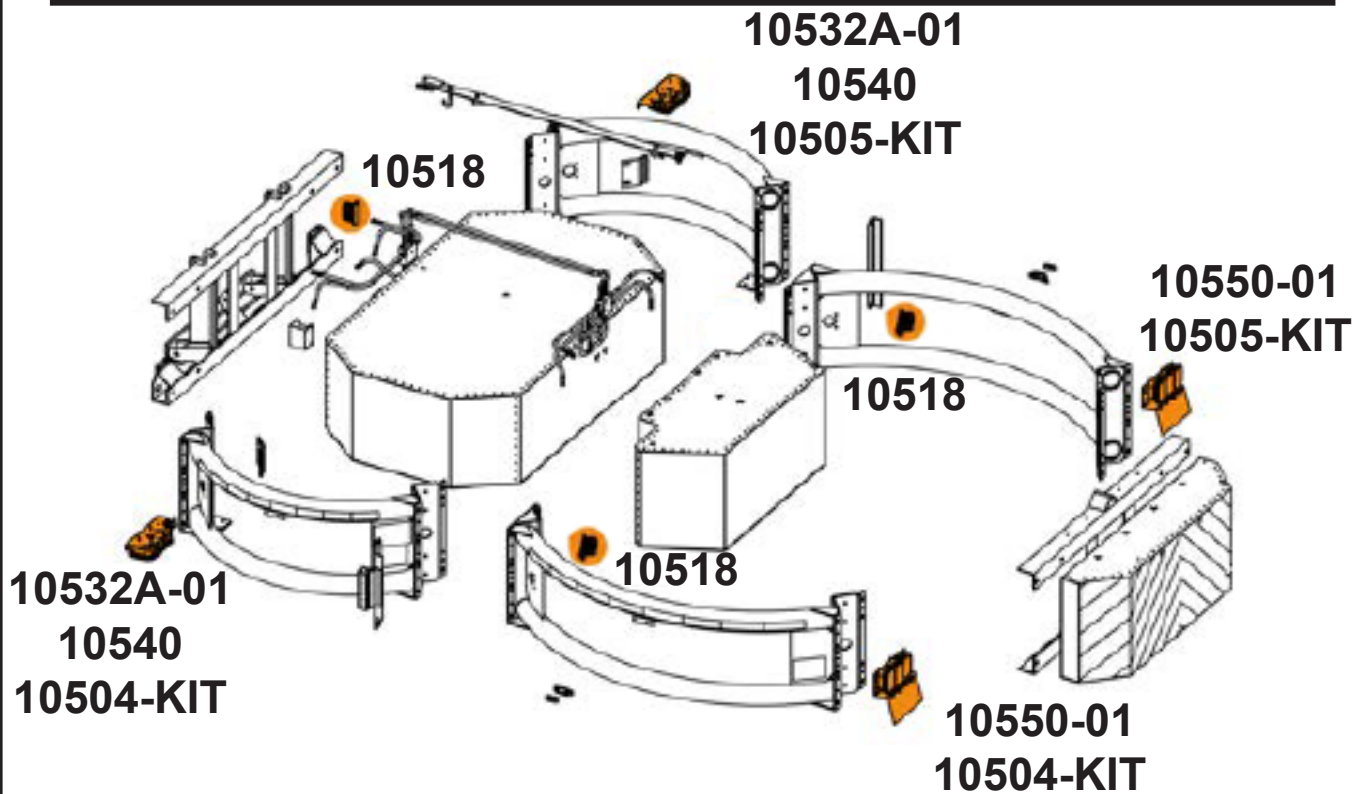


91600

**Side Marker Light
Red / Amber LED
Multivolt**



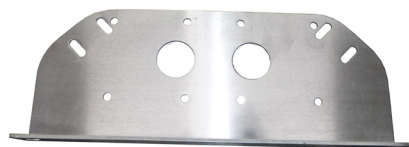
Tail Lights & Junctions



10518 Junction Box



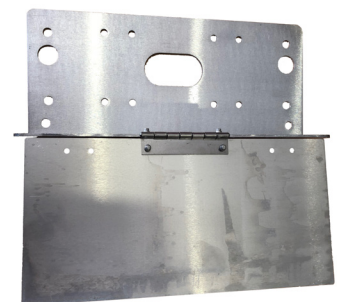
10532A-01 Strut Tail Light Bracket



10540 Strut Tail Light Bracket Adjustment Angle



10550-01 Tail Light Bracket & Aluminium Cover Assy with 1 Hinge



10504-KIT

Complete Left Hand Side
Tail Light Assembly



10505-KIT

Complete Right Hand Side
Tail Light Assembly



94583

3 Module Case With
Cover & Latch



94584

3 Module Cover & Latch



94530

LED Indicator



94608

LED Stop/Tail

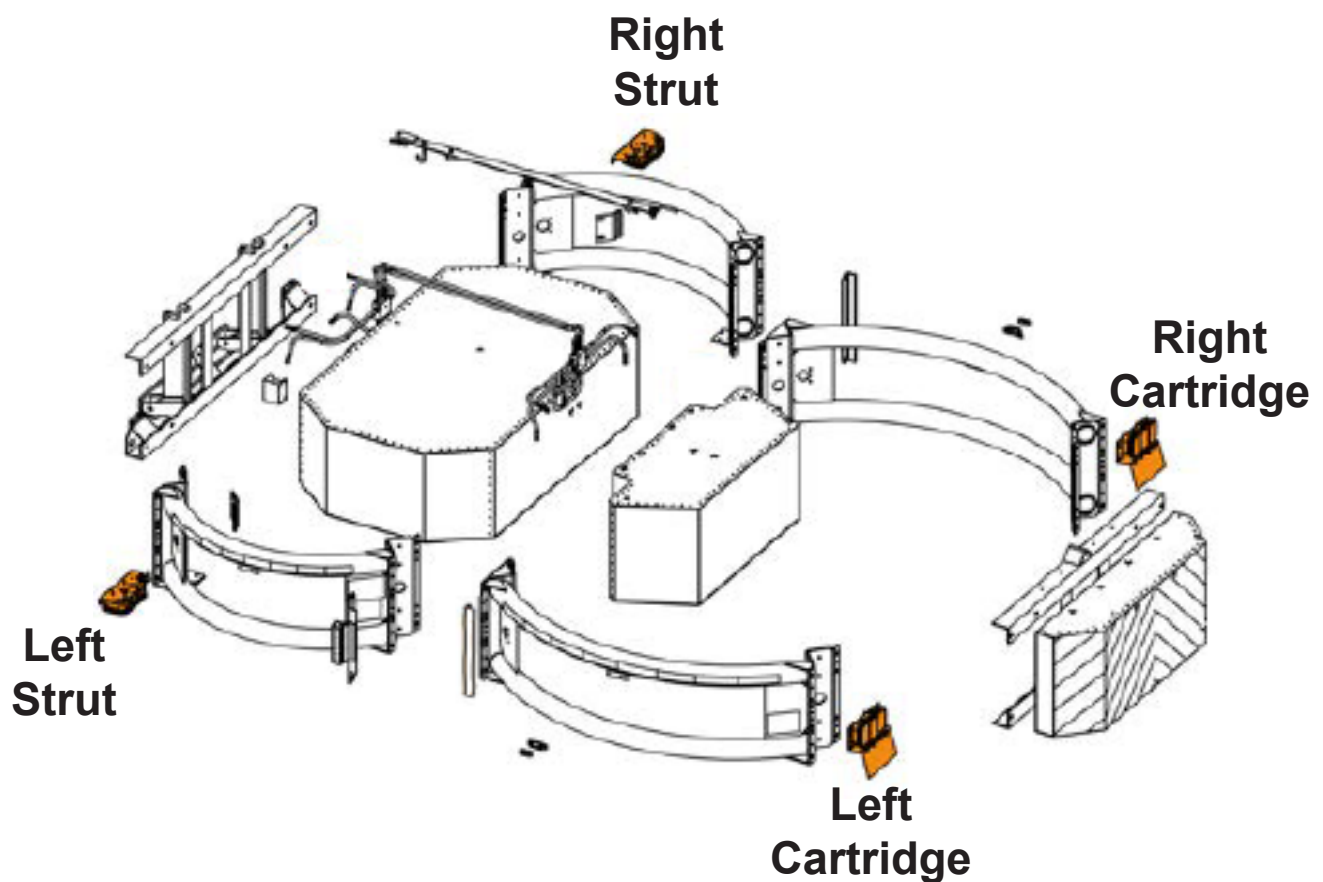


94538

LED Reverse



Marker Lights & Beacons

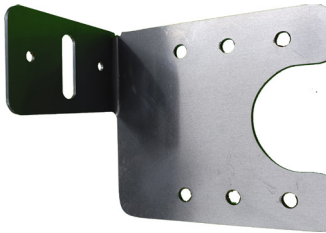


Left Hand Strut

Marker light & beacon brackets to suit left hand strut tail light assembly.

0064-01

Left Hand Side Marker Lamp Bracket



0064-03

Left Hand Side Marker Lamp Bracket with Blinkers



0060

Universal Beacon Mounting Bracket (Left or Right)



Marker light & beacon to suit left hand strut tail light assembly.

85254A

Eurotech Class 1 Multivolt LED Strobe Light



91602

Side Marker Lamp With Black Mounting Bracket



Right Hand Strut

Marker light & beacon brackets to suit right hand strut tail light assembly.

0064-02

Right Hand Side Marker Lamp
Bracket



0064-04

Right Hand Side Marker Lamp
Bracket with Blinkers



0060

Universal Beacon Mounting
Bracket (Left or Right)



Marker light & beacon to suit right hand strut tail light assembly.

85254A

Eurotech Class 1 Multivolt
LED Strobe Light



91602

Side Marker Lamp With
Black Mounting Bracket



Left Hand Cartridge

Marker light & beacon brackets to suit left hand cartridge tail light assembly.

0064-01

Left Hand Side Marker Lamp Bracket



0060

Universal Beacon Mounting Bracket (Left or Right)



Marker light & beacon to suit left hand cartridge tail light assembly.

85254A

Eurotech Class 1 Multivolt LED Strobe Light



91602

Side Marker Lamp with Black Mounting Bracket



Right Hand Cartridge

Marker light & beacon brackets to suit right hand cartridge tail light assembly.

0064-02

Right Hand Side Marker Lamp
Bracket



0060

Universal Beacon Mounting
Bracket (Left or Right)



Marker light & beacon to suit right hand cartridge tail light assembly.

85254A

Eurotech Class 1 Multivolt
LED Strobe Light

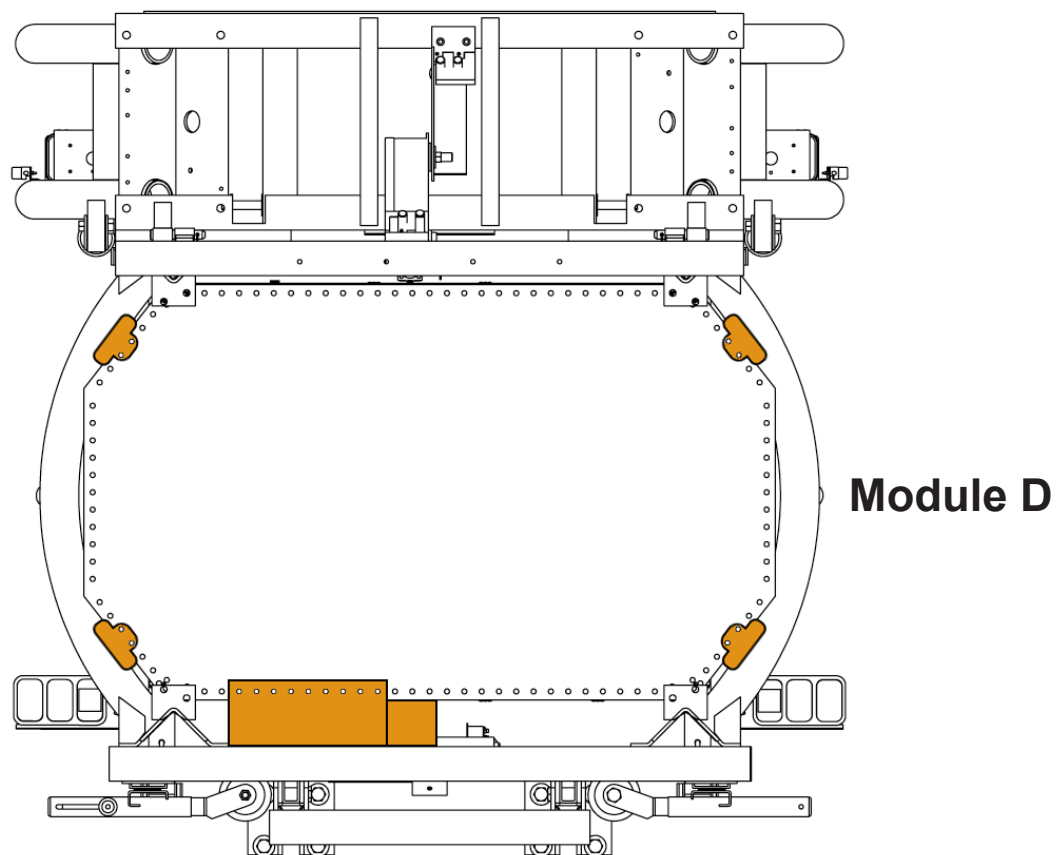
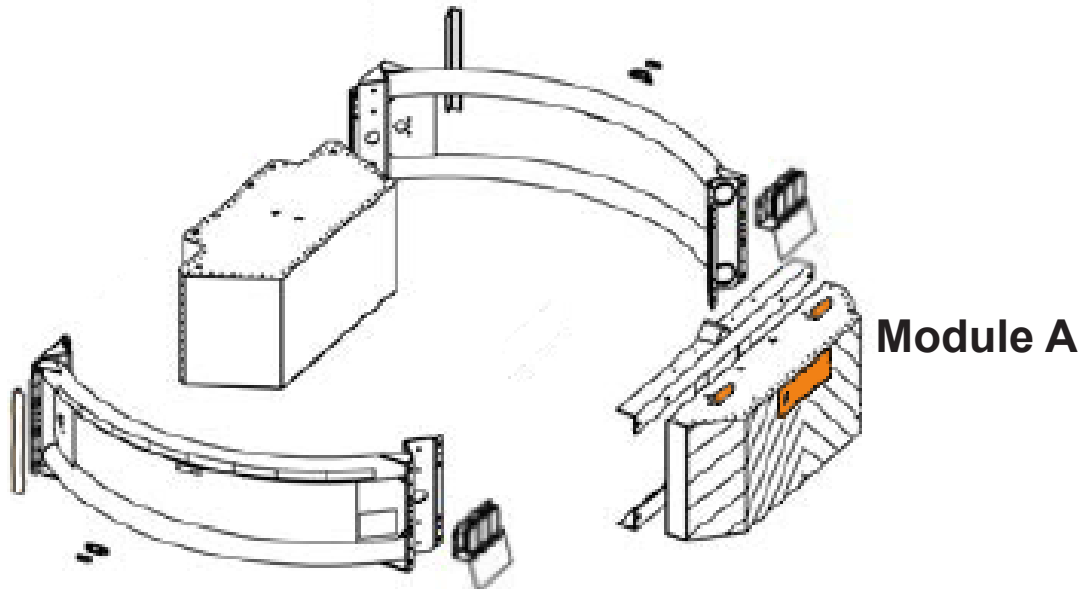


91602

Side Marker Lamp with
Black Mounting Bracket



LED Strobe & Number Plate



Module A

LED strobe brackets and number plate bracket to suit module A.

0063-01

LED Strobe Mounting
Bracket Module A



0062-01

Number Plate Bracket
Module A



LED strobe light and number plate light to suit module A.

85214A

Multivolt Low Profile LED
Amber Warning Light



MX700/10

LED Number Plate Light



Module D

LED strobe brackets and number plate bracket to suit module D.

0063-02

LED Strobe Mounting
Bracket Module D



0062

Number Plate Bracket
Module D



LED strobe light and number plate light to suit module D.

85214A

Multivolt Low Profile LED
Amber Warning Light

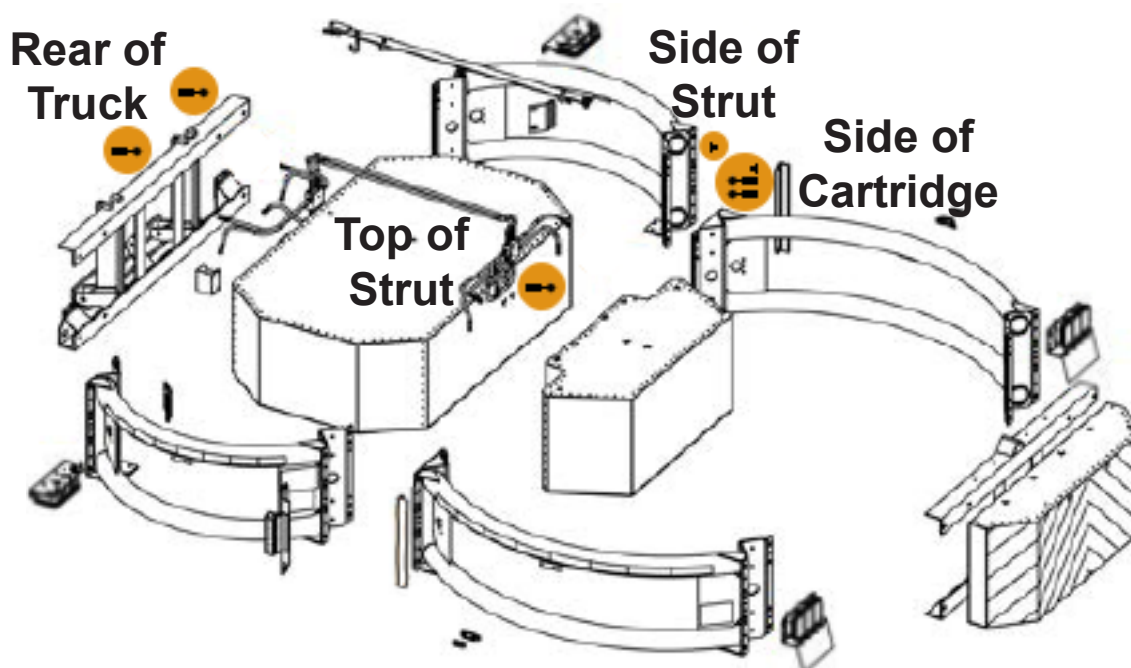


MX700/10

LED Number Plate Light



Limit & Proximity Switches



Rear of Truck

2 limit switches installed on rear of truck for Failsafe Deployment System and Transport position light.

TZ9208 Adjustable Limit Switch With Wheel



Top of Strut Diaphragm

Limit switch installed on top of strut diaphragm for Failsafe Deployment System.

TZ9208 Adjustable Limit Switch With Wheel



** Requires angle bracket to mount to diaphragm **

Side of Strut

Operating magnet installed on side of drop jack mounting bracket for AIB.

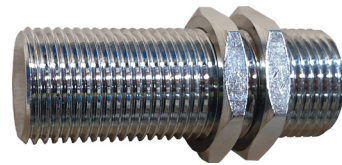
0065-01

Operating Magnet Mounting
Bracket



AIB-0003

Operating Magnet



Side of Cartridge

2 limit switches and 1 proximity switch installed on side of vertical support angle for AIB, light shut off & deploy position light.

TZ9208

Adjustable Limit Switch
With Wheel



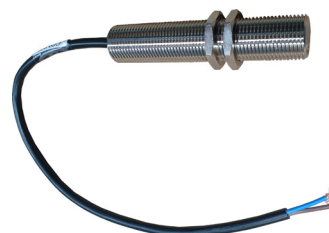
0065-02

Proximity Switch
Mounting Bracket



AIB-0002

Proximity Switch



Plugs & Connectors

82141

7 Pin Flat Trailer Plug



82161

7 Pin Large Round Metal Trailer Plug



57215

Heavy-Duty 175amp Anderson Connector



Supports & Hardware

13057 Complete Flatbed Centre Support



0128 Flatbed Side Support Kit

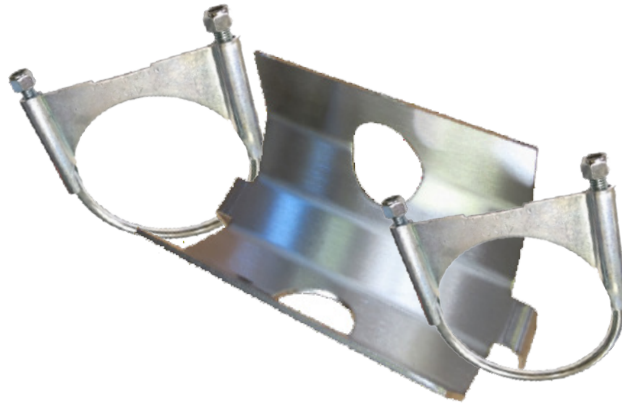


Flatbed Centre Support



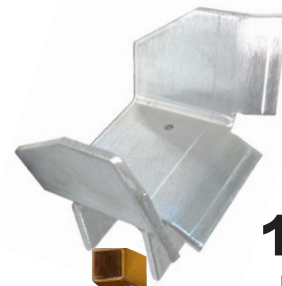
Flatbed Side Support Kit

11053
Wear Plate
U-Bolt



11053
Wear Plate
U-Bolt

11059SS
Stainless Steel
Wear Plate



11040C
Post Top
Assembly

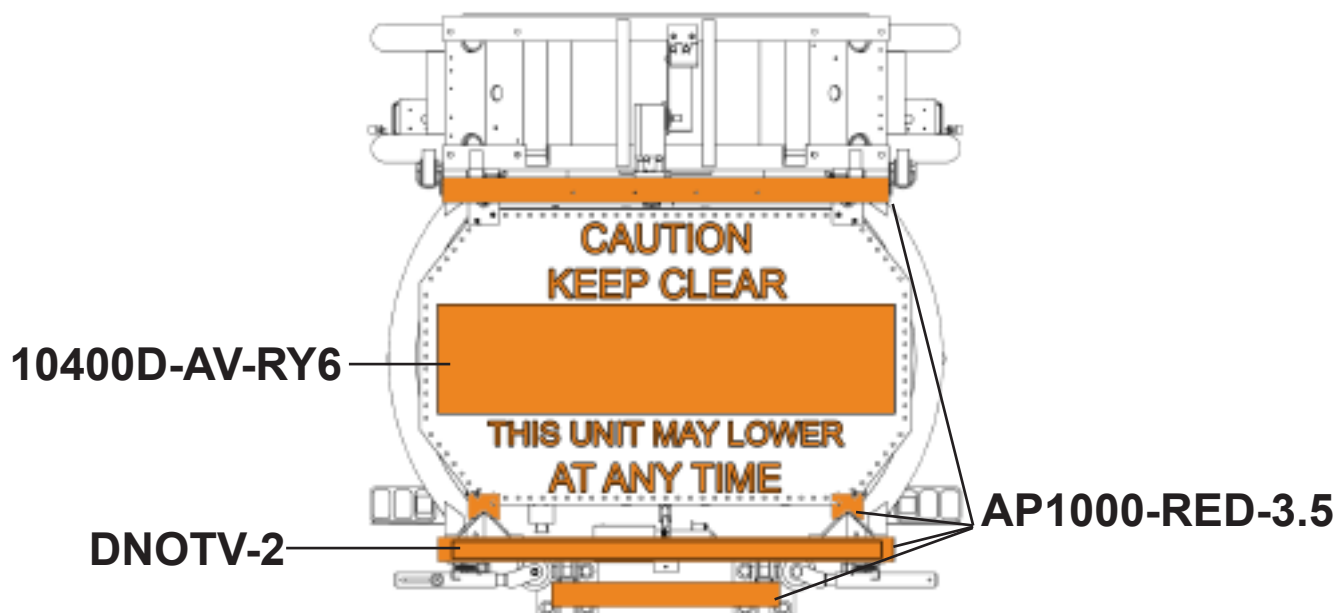
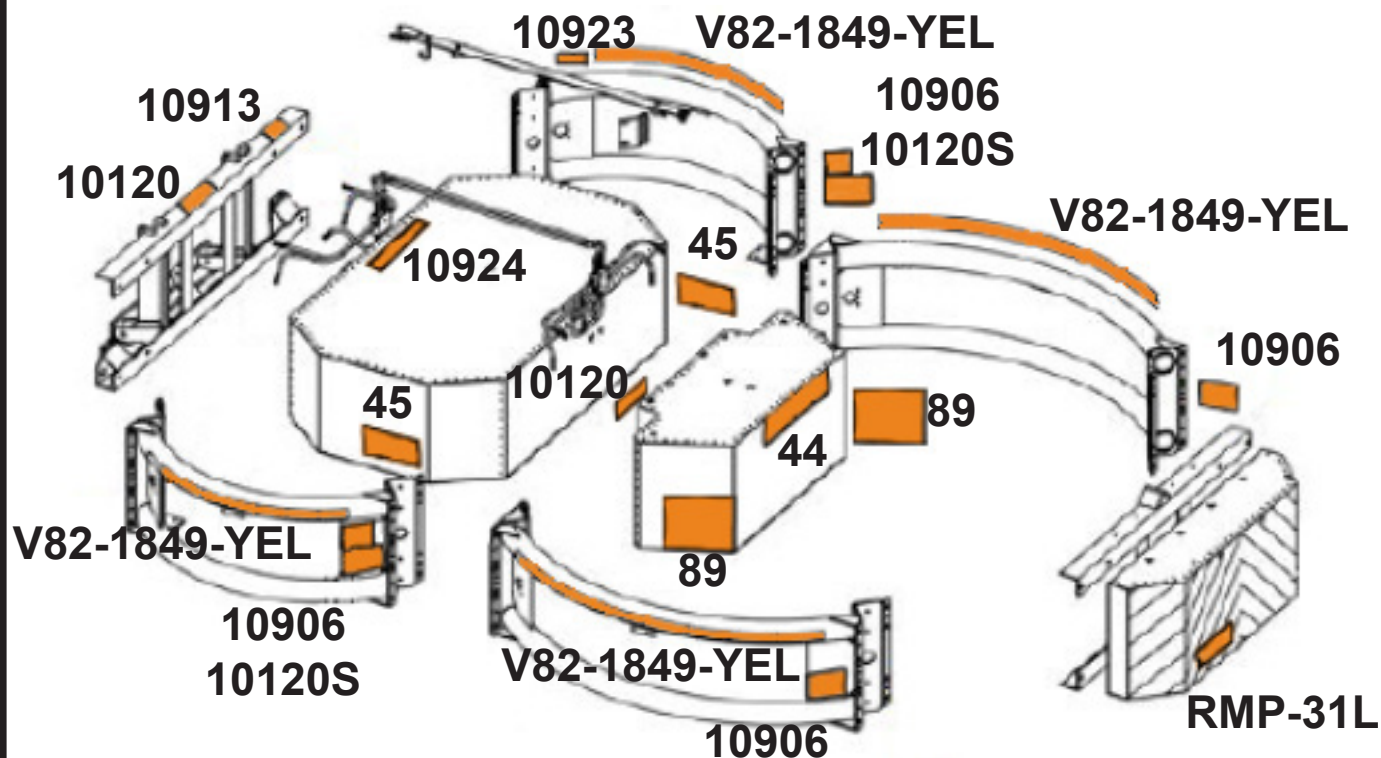
0128-01
Side Support Stand



Kit consists of left & right stands - includes 2 of each item pictured

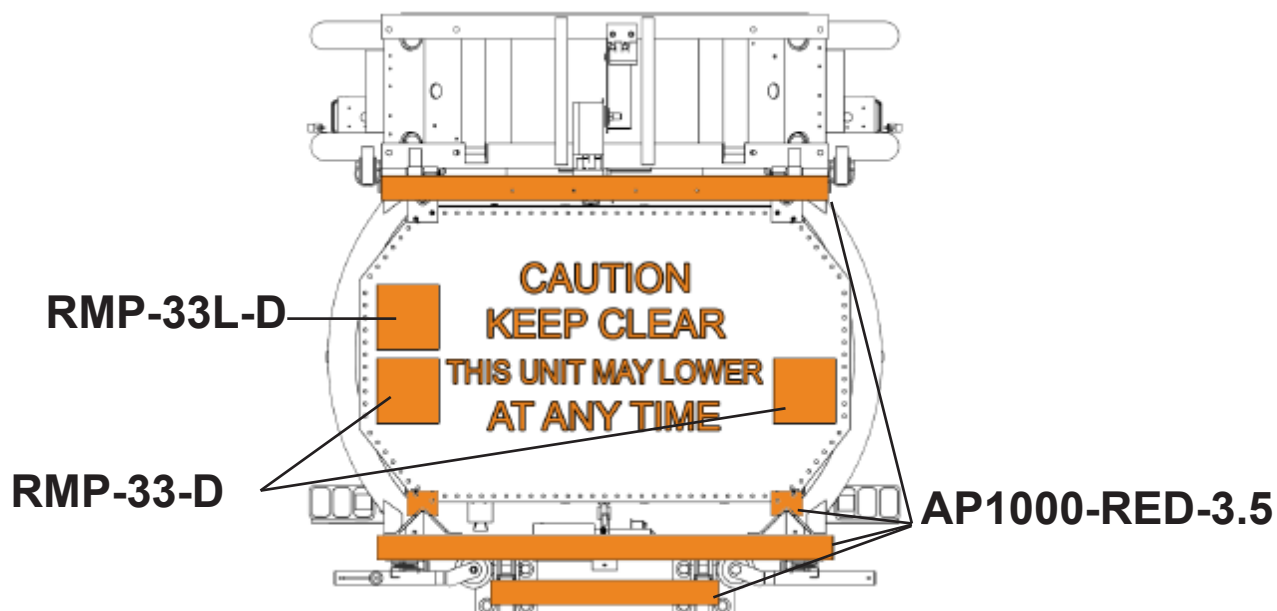
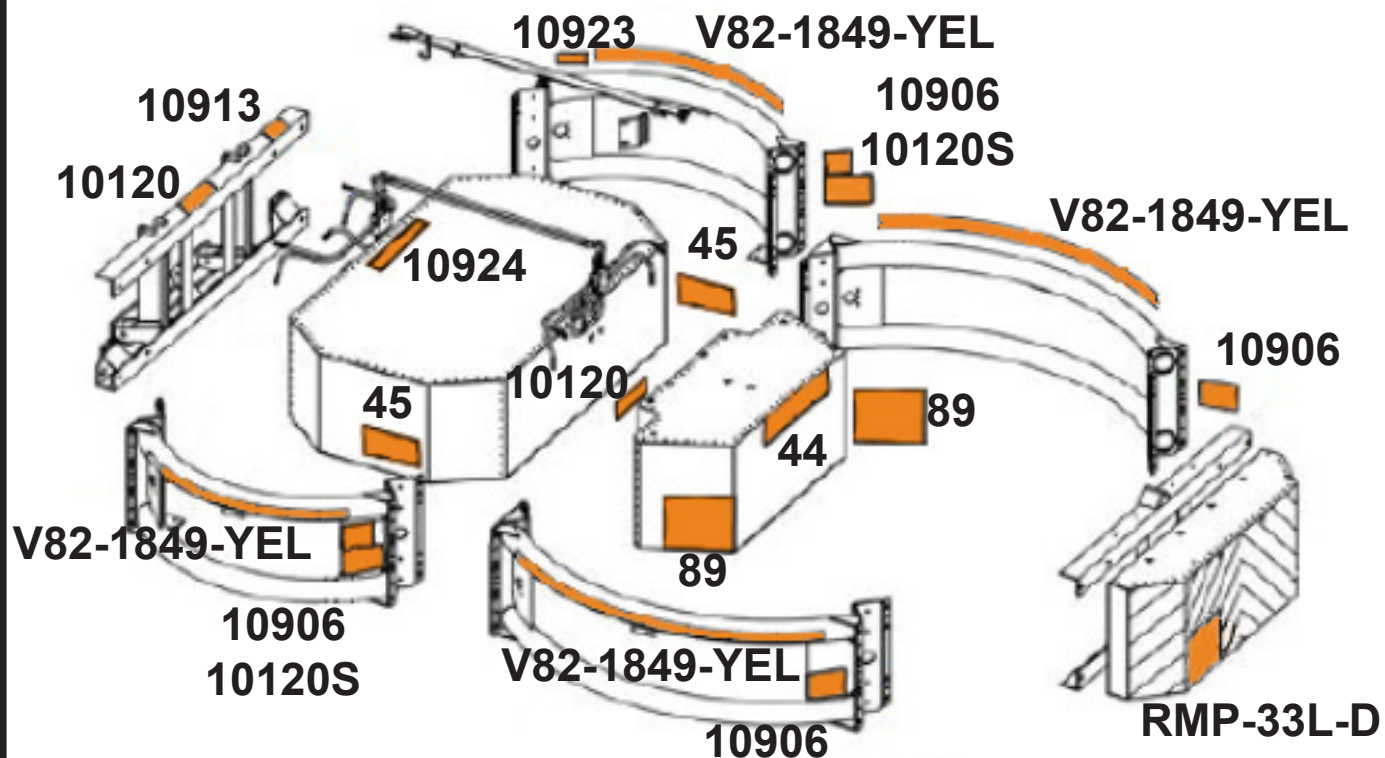
TMA Decals

Prior to November 2020



TMA Decals

From November 2020



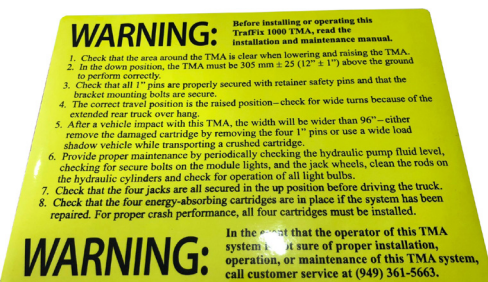
10120



10120S



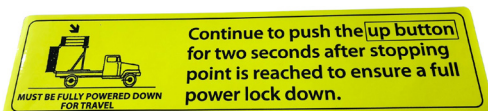
10906



10913



10923



10924



STICKER44

640mm x 250mm

A1 Roadlines Pty Ltd
1300 A1 ROAD
www.a1roadlines.com.au

STICKER45

300mm x 120mm

A1 Roadlines Pty Ltd
1300 A1 ROAD
www.a1roadlines.com.au

STICKER89

TL3

RMP-31L



DNOTV-2

DO NOT OVERTAKE TURNING VEHICLE

RMP-33L-D



AP1000-RED-3.5



V82-1849-YEL



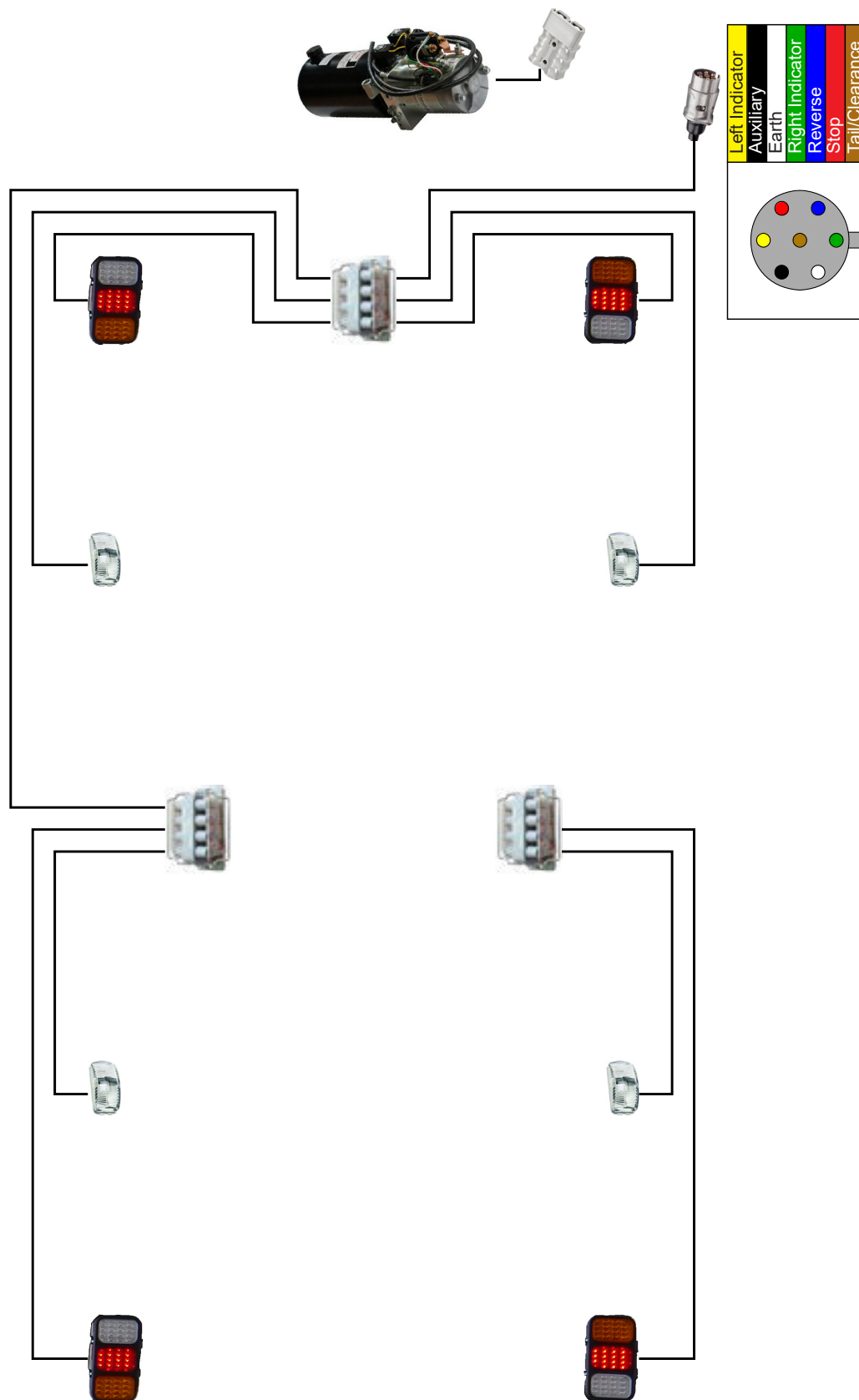
10400D-AV-RY6



RMP-33-D



TrafFix Wiring Diagram



A1 Roadlines Wiring Diagram

