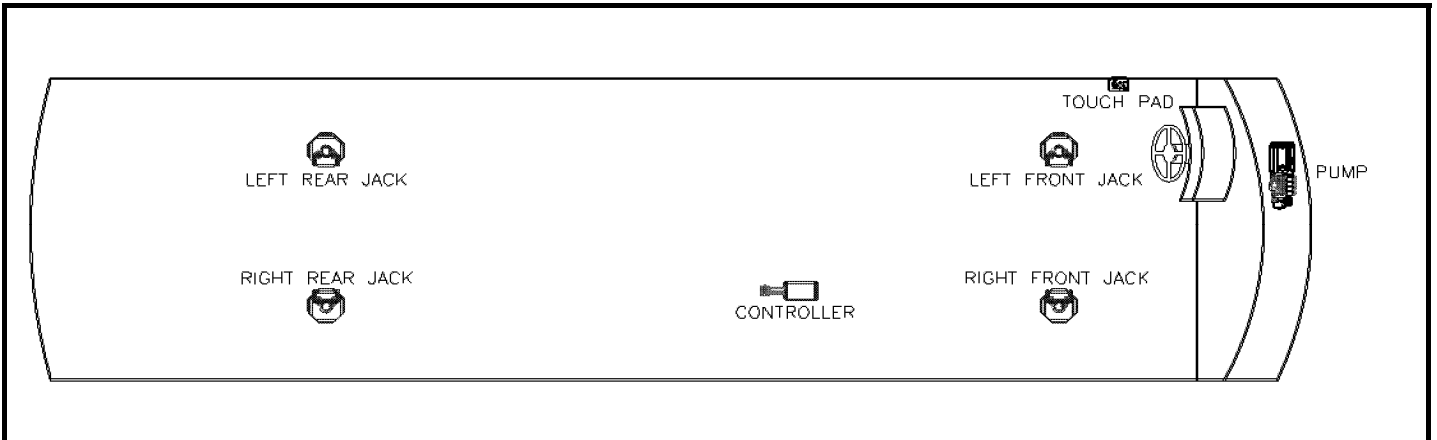


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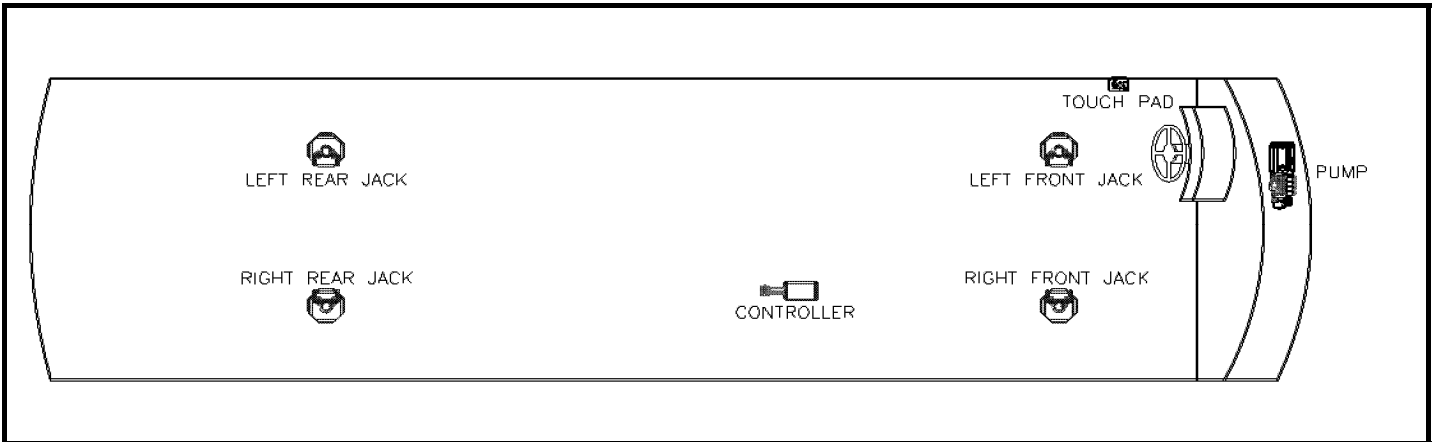
**MY2013 BAY STAR SPORT 2702, 2901, 3209, 3310-OPTIONAL ON ALL FLOOR PLANS LISTED
 MY2013 BAY STAR 2901, 3002, 3012, 3209, 3302, 3305-STANDARD ON ALL BAY STAR FLOOR PLANS LISTED**



Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8582A
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke	4		7636
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3055
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7762
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482
Options				
Revisions				

**MY2013 CANYON STAR 3313, 3515, 3610, 3810, 3856, 3911, 3920, 3940, 3953
STANDARD ON ALL FLOOR PLANS LISTED**



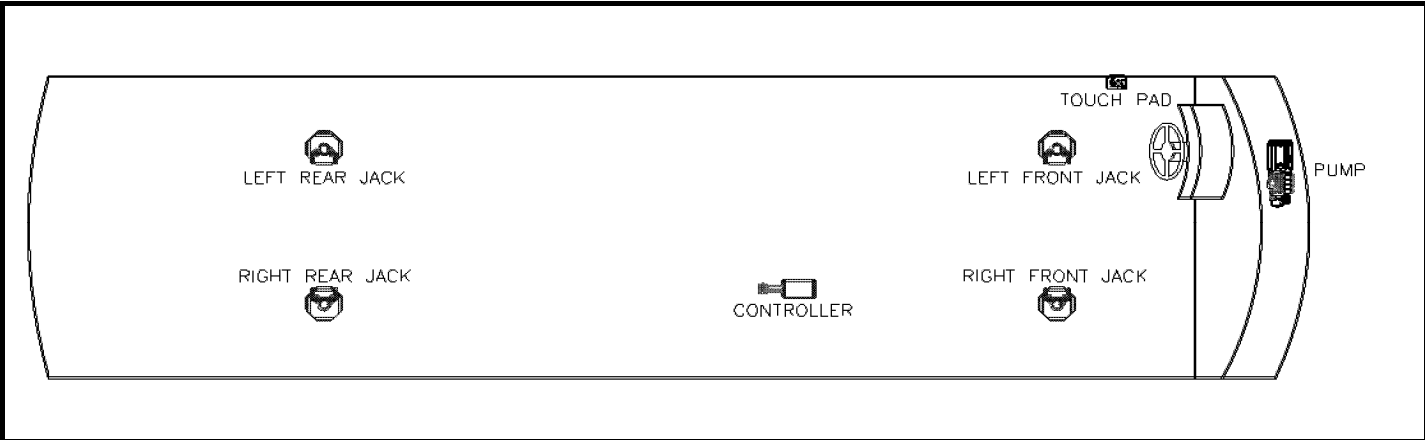
Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8612
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke (Front Jacks)	2		7636
Jack	12,000 lbs, 16" Stroke (Rear Jacks)	2		7214
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3055
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7791
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 36'	Pump to Jack, Left Rear Top	1	Orange Solid	2486
Hose, 36'	Pump to Jack, Right Rear Top	1	Yellow Solid	2486
Hose, 38'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2488

Options

Revisions

**MY2014 BAY STAR SPORT 2702, 2903, 3220, 3306-OPTIONAL ON ALL FLOOR PLANS LISTED
 MY2014 BAY STAR 2903, 3103, 3124, 3215, 3308, 3309-STANDARD ON ALL BAY STAR FLOOR PLANS LISTED**



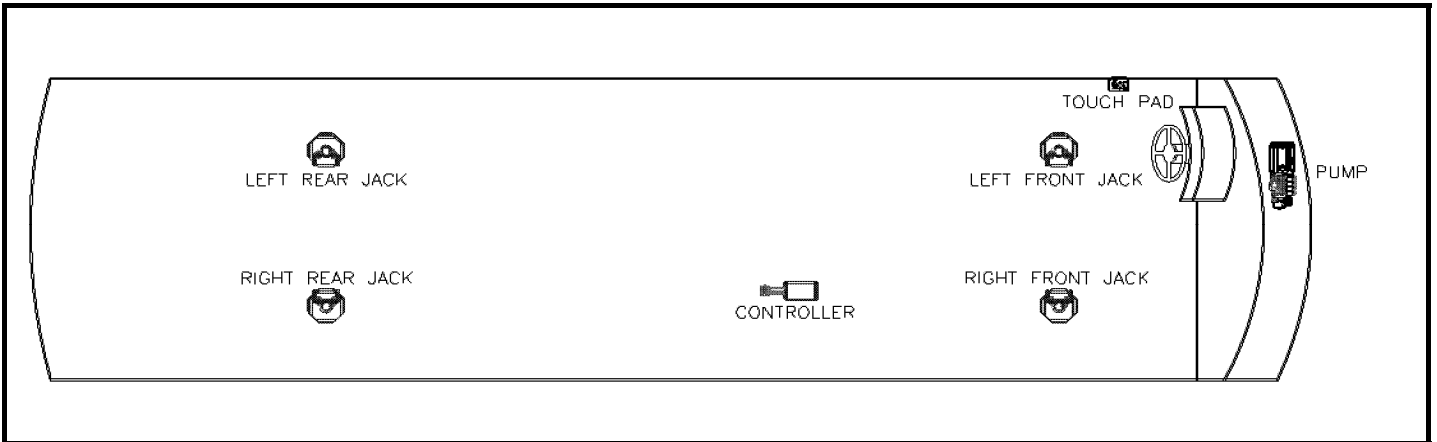
Notes:
 For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.
 To order a replacement jack assembly use 7636

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8582B
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	7,500 lbs, 15" Stroke/Rear Jacks	2		7851
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7762
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

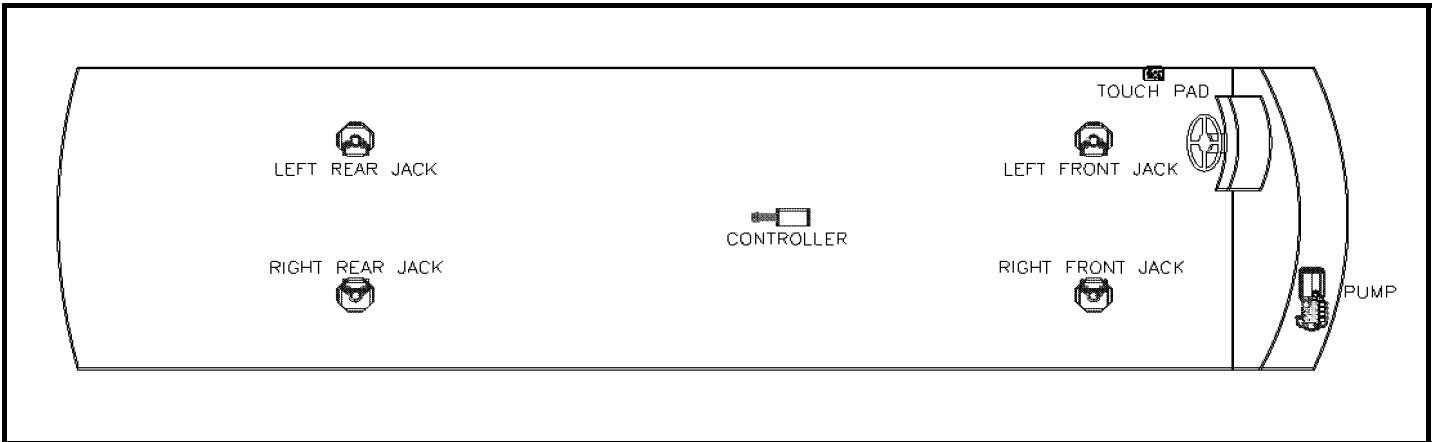
**MY2014 CANYON STAR 3424, 3610, 3630, 3650, 3910, 3911, 3920, 3921, 3940, 3953, 3956
STANDARD ON ALL FLOOR PLANS LISTED**



Notes:
 For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.
 To order a replacement jack assembly use 7636 for the front jacks and 7214 for the rear jacks.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8612A
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	12,000 lbs, 16" Stroke/Rear Jacks	2		7852
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7791
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 36'	Pump to Jack, Left Rear Top	1	Orange Solid	2486
Hose, 36'	Pump to Jack, Right Rear Top	1	Yellow Solid	2486
Hose, 38'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2488
Options				
Revisions				

**MY2014 VENTANA LE 3433, 3436
STANDARD ON ALL FLOOR PLANS LISTED**



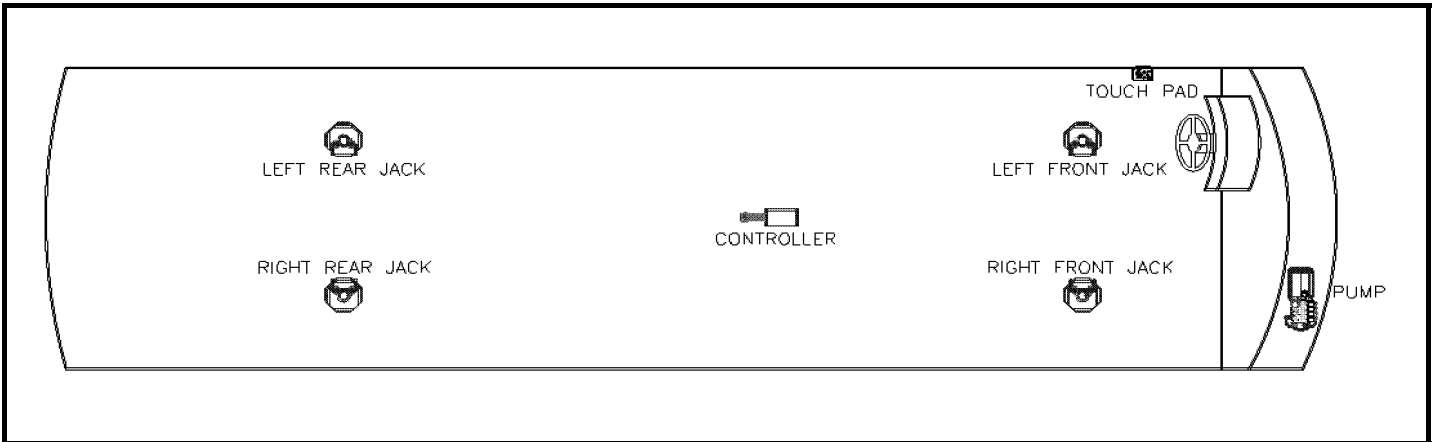
Notes:
Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8642
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7839
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2014 VENTANA LE 3634, 3845, 3847, 3849, 3850
STANDARD ON ALL FLOOR PLANS LISTED**



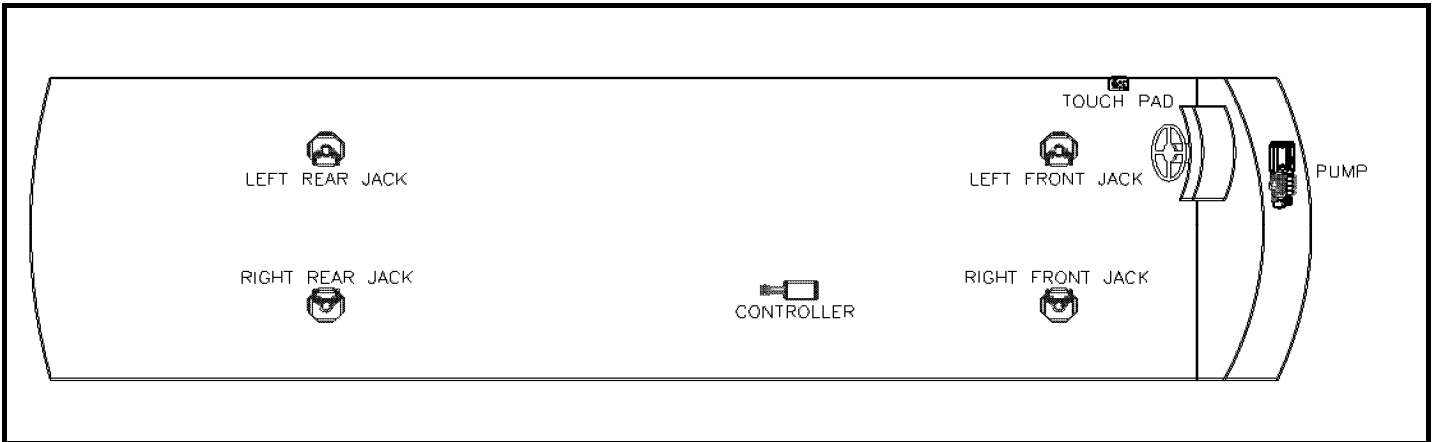
Notes:
Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8643
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7838
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 34'	Pump to Jack, Left Rear Top	1	Orange Solid	2484
Hose, 34'	Pump to Jack, Right Rear Top	1	Yellow Solid	2484
Hose, 36'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2486

Options				

Revisions				

**MY2015 BAY STAR SPORT 2622, 2702, 2707, 2903, 3022, 3220, 3306, 3309-OPTIONAL ON ALL FLOOR PLANS LISTED
 MY2015 BAY STAR 2903, 3103, 3124, 3215, 3308, 3401, 3402-STANDARD ON ALL BAY STAR FLOOR PLANS LISTED**



Notes:

For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.

To order a replacement jack assembly use 7636

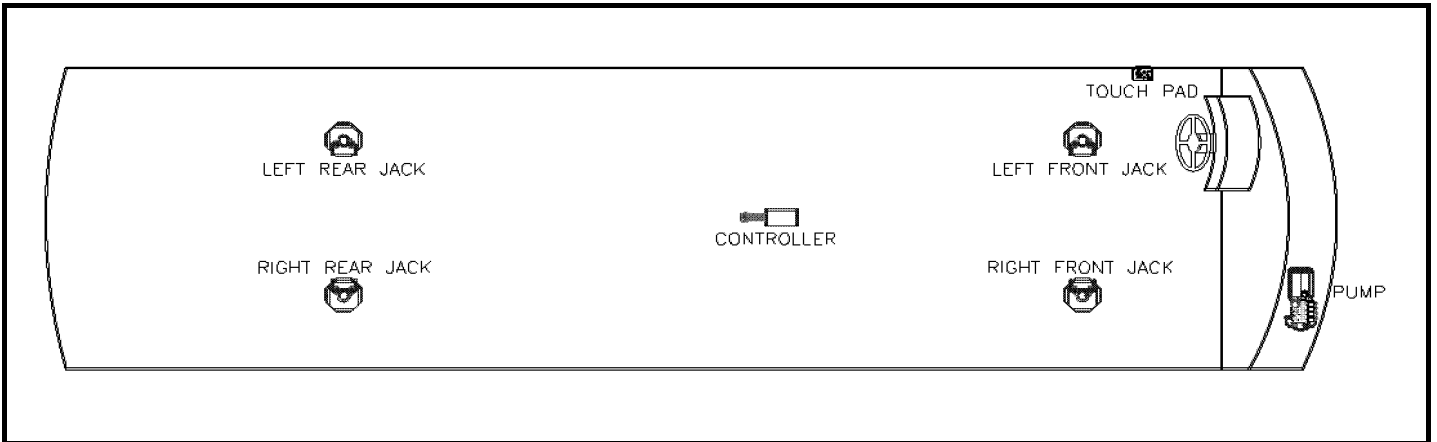
In October of 2014 the system number changed from 8582B to 8582C

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8582B/8582C
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	7,500 lbs, 15" Stroke/Rear Jacks	2		7851
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7762
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options

Revisions

**MY2015 VENTANA LE 3635, 3636, 3802, 3812, 3849, 3850
STANDARD ON ALL FLOOR PLANS LISTED**



Notes:

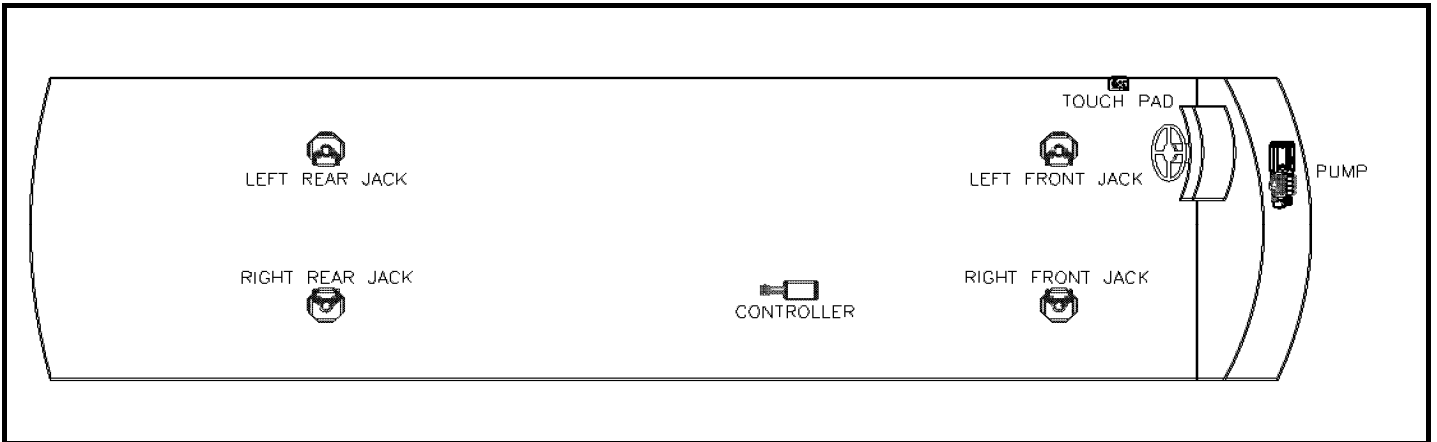
Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8643
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7838
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 34'	Pump to Jack, Left Rear Top	1	Orange Solid	2484
Hose, 34'	Pump to Jack, Right Rear Top	1	Yellow Solid	2484
Hose, 36'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2486

Options

Revisions

**MY2016 BAY STAR SPORT OPTIONAL ON: 2622, 2702, 2705, 2903, 3004, 3022, 3227, 3306, 3404
 MY2016 BAY STAR STANDARD ON: 3004, 3124, 3227, 3401, 3402, 3403, 3404, 3518**



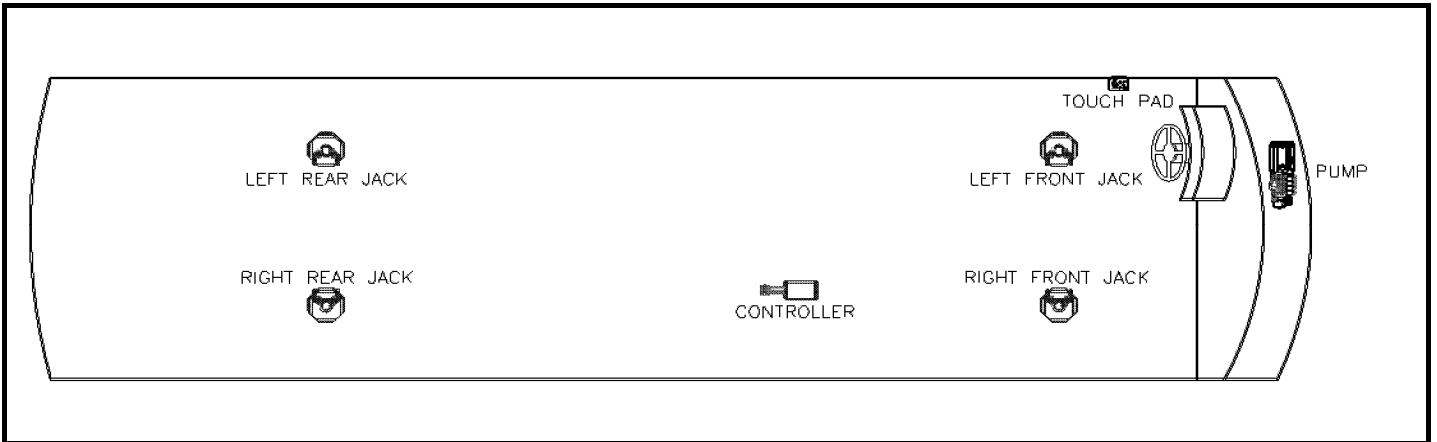
Notes:
 For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.
 To order a replacement jack assembly use 7636
 In October of 2014 the system number changed from 8582B to 8582C

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8582B/8582C
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	7,500 lbs, 15" Stroke/Rear Jacks	2		7851
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7762
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

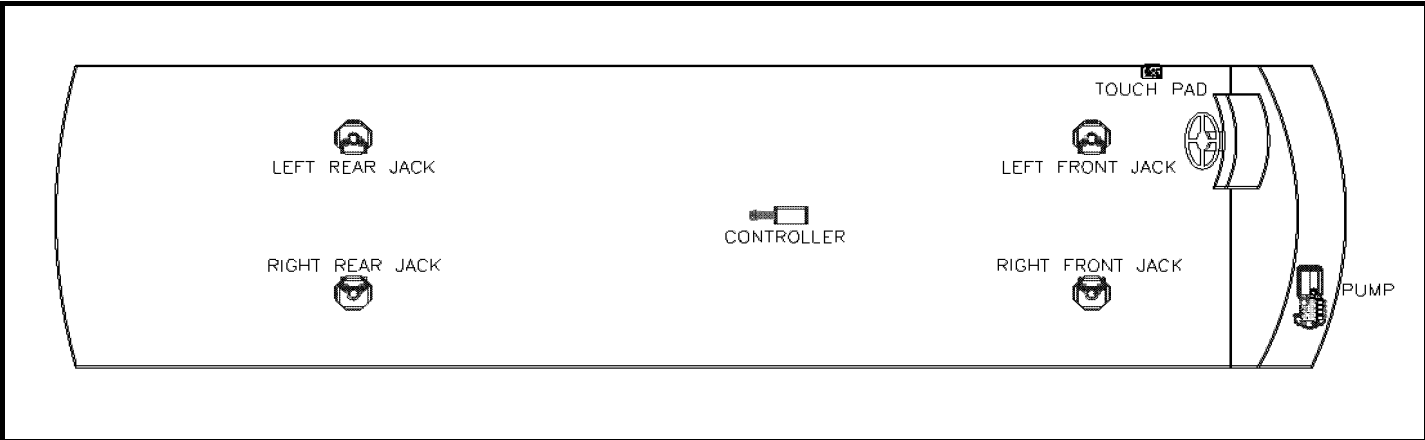
**MY2016 CANYON STAR 3710, 3712, 3755, 3903, 3911, 3914, 3921, 3922, 3944, 3953
STANDARD ON ALL FLOOR PLANS LISTED**



Notes:
 For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.
 To order a replacement jack assembly use 7636 for the front jacks and 7214 for the rear jacks.
 In October of 2014 the system number changed from 8612A to 8612B

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8612A/8612B
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	12,000 lbs, 16" Stroke/Rear Jacks	2		7852
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7791
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 36'	Pump to Jack, Left Rear Top	1	Orange Solid	2486
Hose, 36'	Pump to Jack, Right Rear Top	1	Yellow Solid	2486
Hose, 38'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2488
Options				
Revisions				

**MY2016 VENTANA LE 3427 3436
STANDARD ON ALL FLOOR PLANS LISTED**



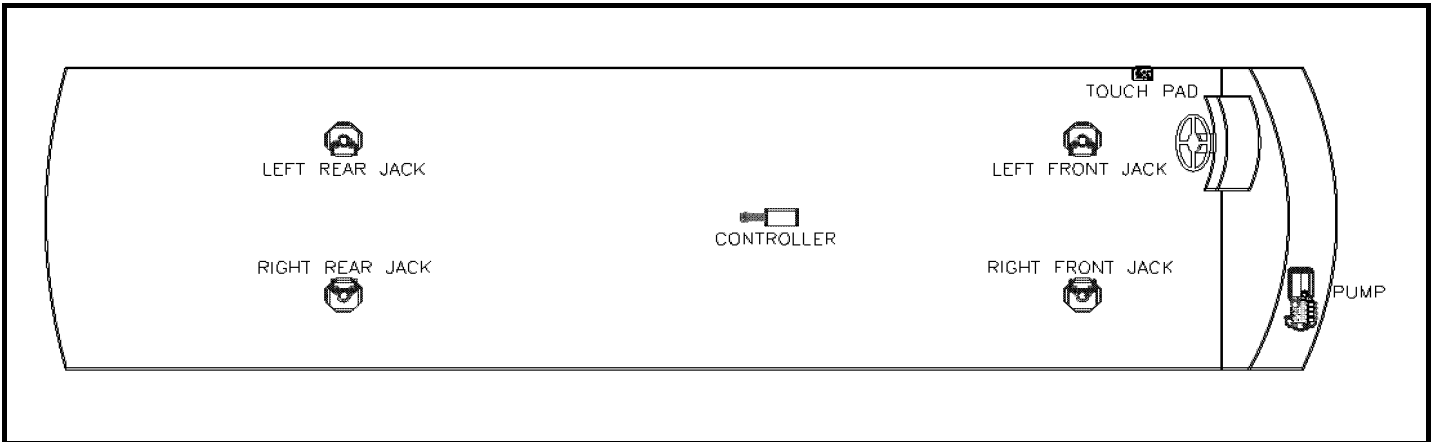
Notes:
Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8642
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7839
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2016 VENTANA LE 3709, 3725
STANDARD ON ALL FLOOR PLANS LISTED**



Notes:

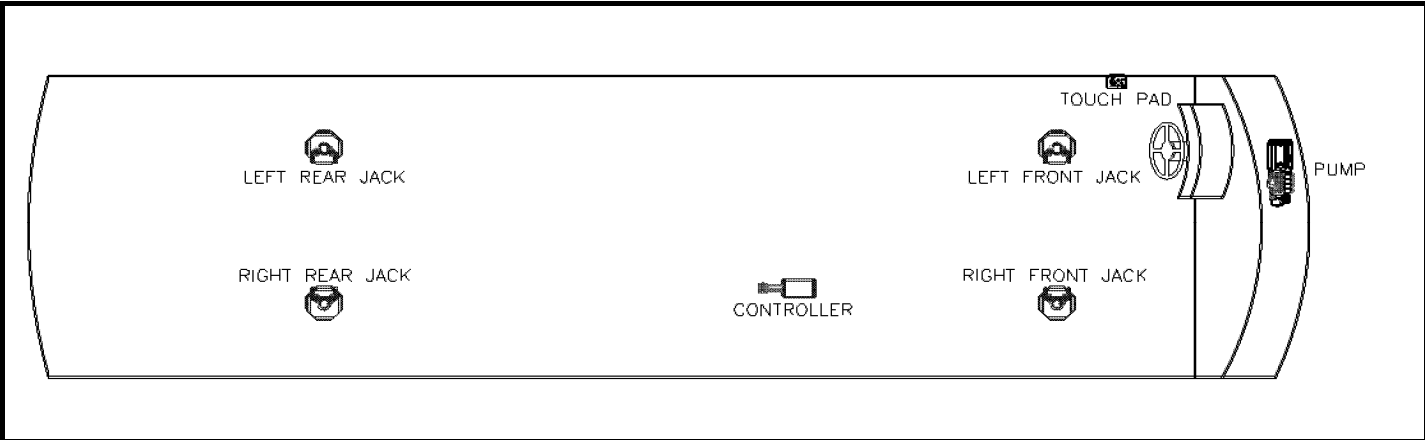
Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8643
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7838
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 34'	Pump to Jack, Left Rear Top	1	Orange Solid	2484
Hose, 34'	Pump to Jack, Right Rear Top	1	Yellow Solid	2484
Hose, 36'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2486

Options

Revisions

MY2017 BAY STAR SPORT OPTIONAL ON: 2622, 2702, 2812, 2903, 3013, 3022, 3208, 3210, 3306
 MY2017 BAY STAR STANDARD ON: 3009, 3113, 3124, 3208, 3306, 3333, 3401, 3403, 3516, 3518



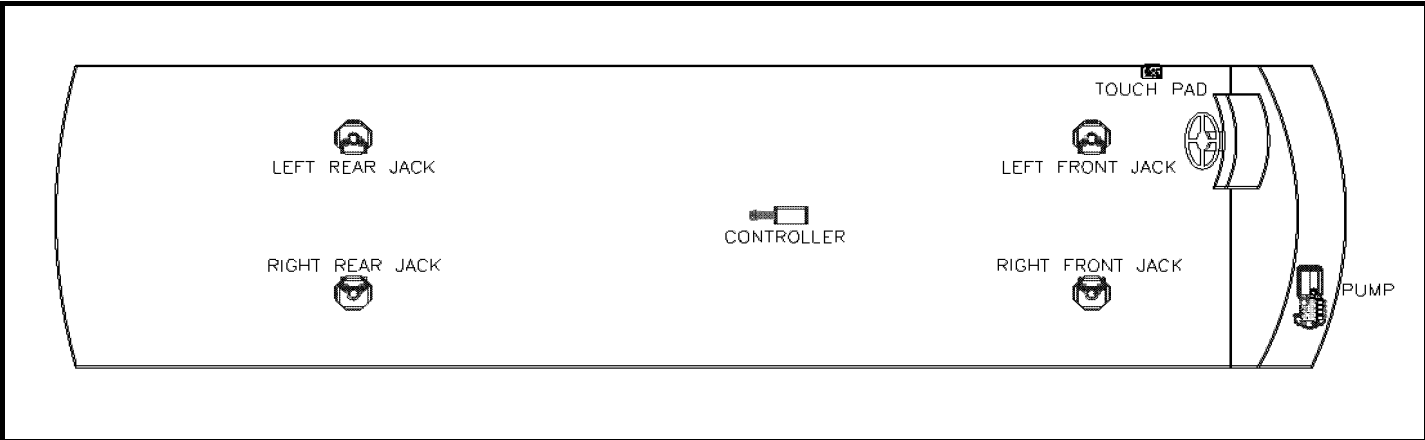
Notes:
 For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.
 To order a replacement jack assembly use 7636
 In October of 2014 the system number changed from 8582B to 8582C
 on 7/26/16 system number was changed from 8582C to 8582d for 3149A controller
 On 11/30/16 hose Pump to Jack, Left Rear Top was changed from 30' to 32'

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8582D
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	7,500 lbs, 15" Stroke/Rear Jacks	2		7851
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7762
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 32'	Pump to Jack, Left Rear Top	1	Orange Solid	2482
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2017 VENTANA LE 3412 3436
STANDARD ON ALL FLOOR PLANS LISTED**



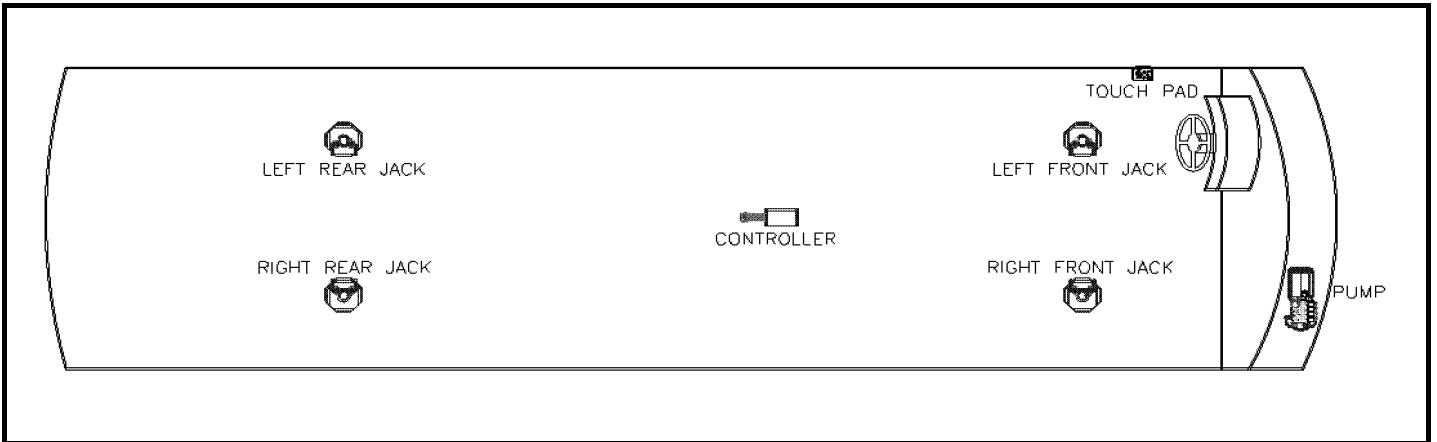
Notes:
 Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.
 On 7/26/16 kit number was changed to 8642A with 3149A controller.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8642A
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7839
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2017 VENTANA LE 3709, 3724
STANDARD ON ALL FLOOR PLANS LISTED**



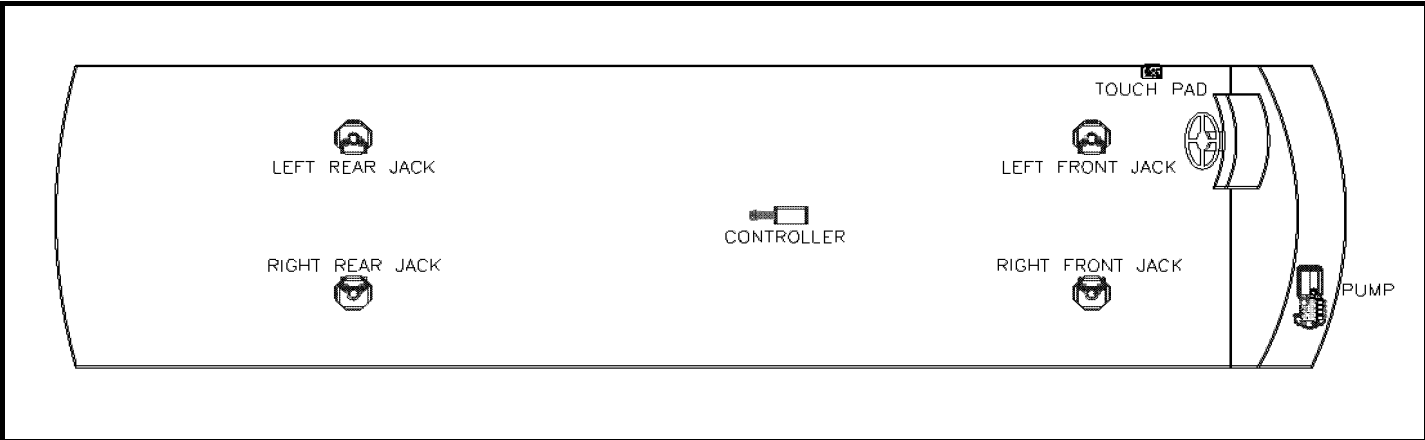
Notes:
 Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.
 On 7/26/14 system number was changed from 8643 to 8643A for 3149A.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8643A
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7838
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 34'	Pump to Jack, Left Rear Top	1	Orange Solid	2484
Hose, 34'	Pump to Jack, Right Rear Top	1	Yellow Solid	2484
Hose, 36'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2486

Options				

Revisions				

**MY2017 VENTANA 3412 3436
STANDARD ON ALL FLOOR PLANS LISTED**



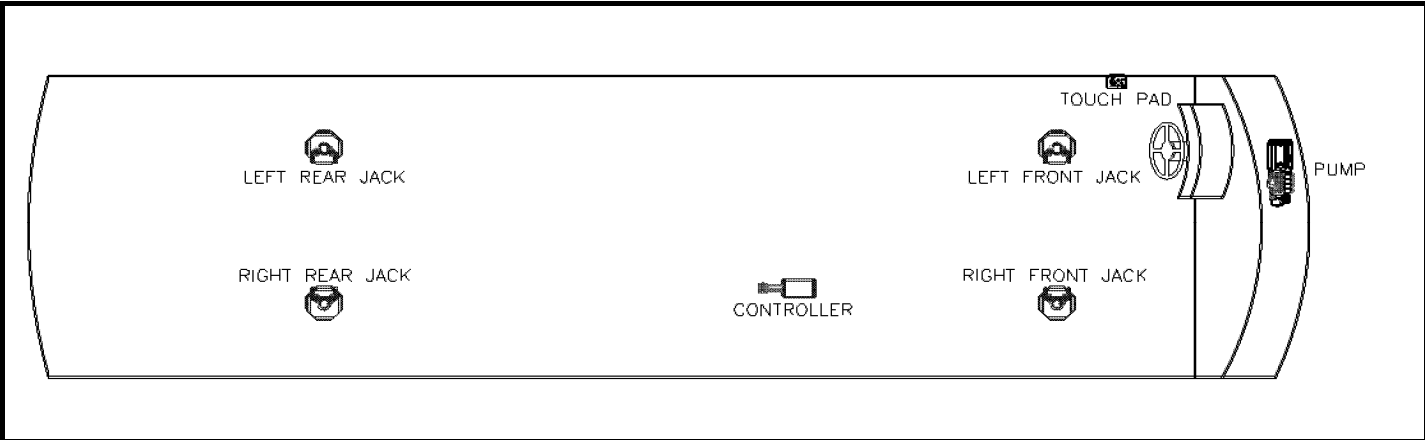
Notes:
 Jack assemblies in list include mount plate and hardware. To order a replacement jack assembly, use part number 7214 for a front jack, and 7134 for a rear jack.
 On 7/26/16 the system number changed from 8311 to 8311A for 3149A controller.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8311A
Pump	4-Function, Jacks	1		7837
Jacks(Front)	12,000 lbs, 16" Stroke	2		7835
Jacks(Rear)	17,500 lbs, 18" Stroke	2		7965
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7839
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2018 BAY STAR SPORT OPTIONAL ON: 2702, 2812, 2903, 3022, 3113, 3307, 3312
 MY2018 BAY STAR STANDARD ON: 3009, 3113, 3124, 3333, 3401, 3403, 3406, 3414, 3518, 3532**



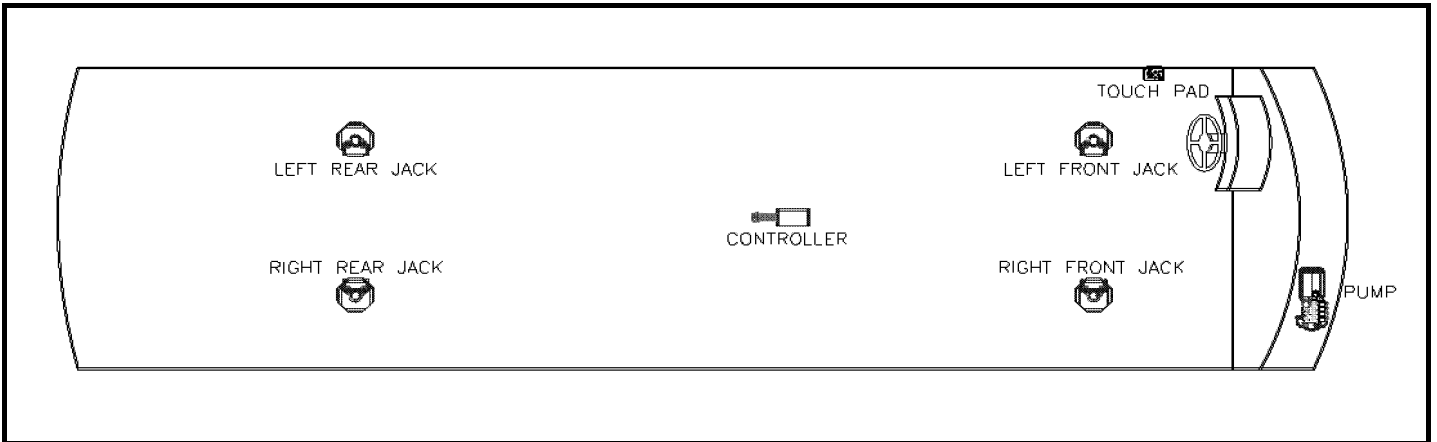
Notes:
 For model year 2014, Equalizer will begin sending jacks to Newmar already assembled on the brackets.
 To order a replacement jack assembly use 7636
 In October of 2014 the system number changed from 8582B to 8582C
 on 7/26/16 system number was changed from 8582C to 8582d for 3149A controller
 On 11/30/16 hose Pump to Jack, Left Rear Top was changed from 30' to 32'

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8582D
Pump	4-Function, Jacks	1		7770
Jack	7,500 lbs, 15" Stroke/Front Jacks	2		7850
Jack	7,500 lbs, 15" Stroke/Rear Jacks	2		7851
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6918
Hose Kit	Complete Set of Hoses	1		7762
Hose, 6'	Pump to Jack, Left Front Top	1	Brown Solid	2461
Hose, 8'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2463
Hose, 8'	Pump to Jack, Right Front Top	1	White Solid	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 32'	Pump to Jack, Left Rear Top	1	Orange Solid	2482
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2018 VENTANA LE 3412, 2413, 3436
STANDARD ON ALL FLOOR PLANS LISTED**



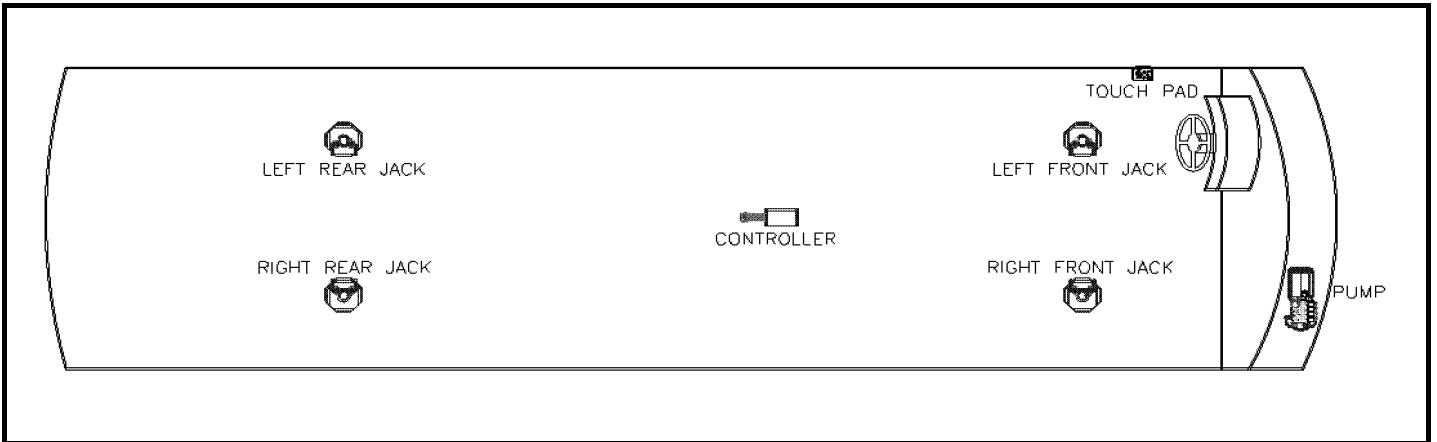
Notes:
 Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.
 On 7/26/16 kit number was changed to 8642A with 3149A controller.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8642A
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7839
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

Revisions				

**MY2018 VENTANA LE 3709, 3713
STANDARD ON ALL FLOOR PLANS LISTED**



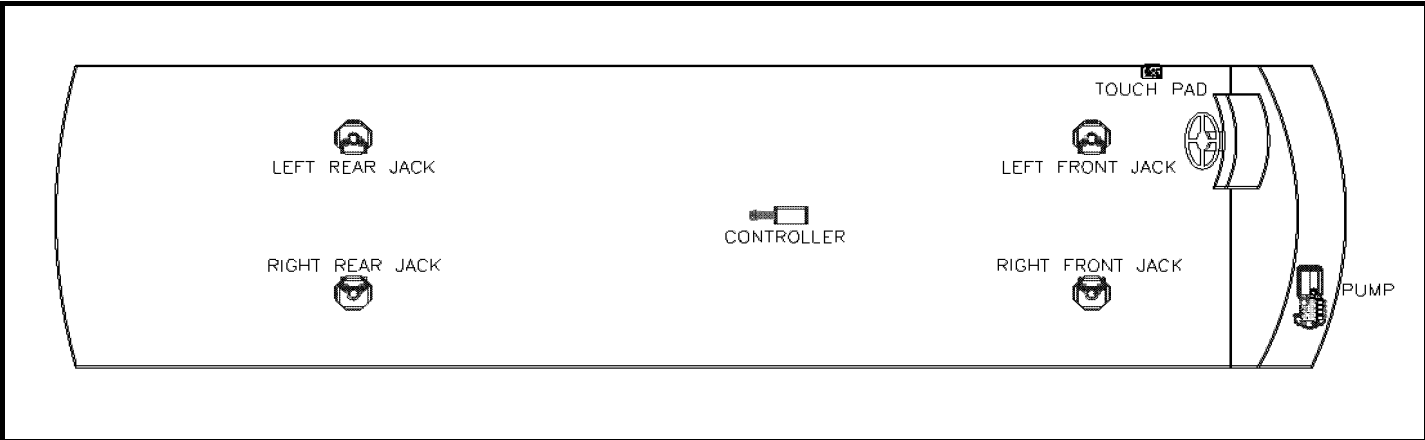
Notes:
 Jack assembly in list includes mount plate and hardware. To order a replacement jack assembly, use part number 7214.
 On 7/26/14 system number was changed from 8643 to 8643A for 3149A.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8643A
Pump	4-Function, Jacks	1		7837
Jack	12,000 lbs, 16" Stroke	4		7835
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7838
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 34'	Pump to Jack, Left Rear Top	1	Orange Solid	2484
Hose, 34'	Pump to Jack, Right Rear Top	1	Yellow Solid	2484
Hose, 36'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2486

Options				

Revisions				

**MY2018 VENTANA 3407, 3412, 3436
STANDARD ON ALL FLOOR PLANS LISTED**



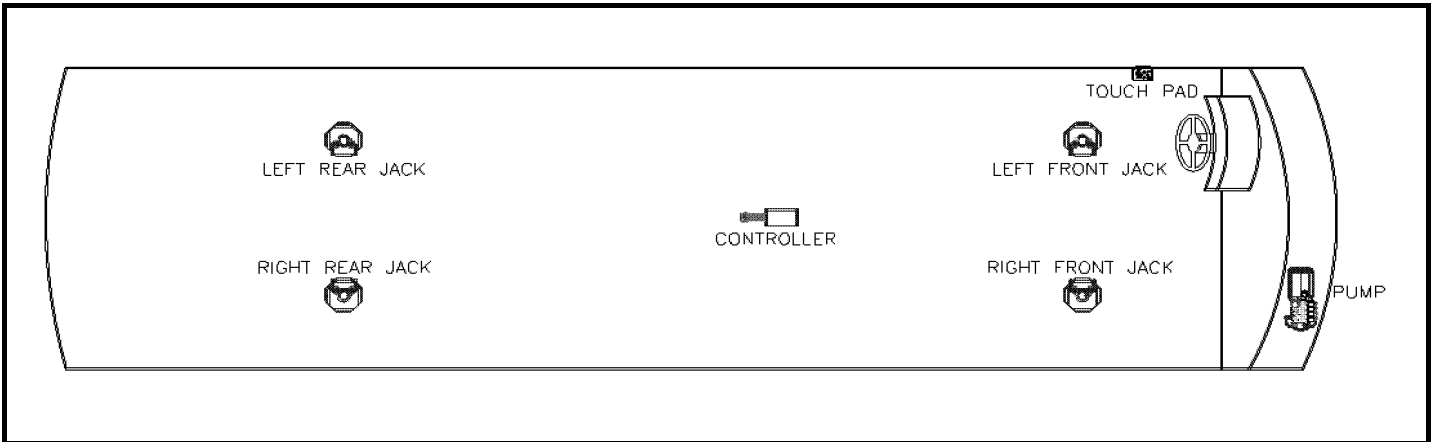
Notes:
 Jack assemblies in list include mount plate and hardware. To order a replacement jack assembly, use part number 7214 for a front jack, and 7134 for a rear jack.
 On 7/26/16 the system number changed from 8311 to 8311A for 3149A controller.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8311A
Pump	4-Function, Jacks	1		7837
Jacks(Front)	12,000 lbs, 16" Stroke	2		7835
Jacks(Rear)	17,500 lbs, 18" Stroke	2		7965
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7839
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 30'	Pump to Jack, Left Rear Top	1	Orange Solid	2527
Hose, 30'	Pump to Jack, Right Rear Top	1	Yellow Solid	2527
Hose, 32'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2482

Options				

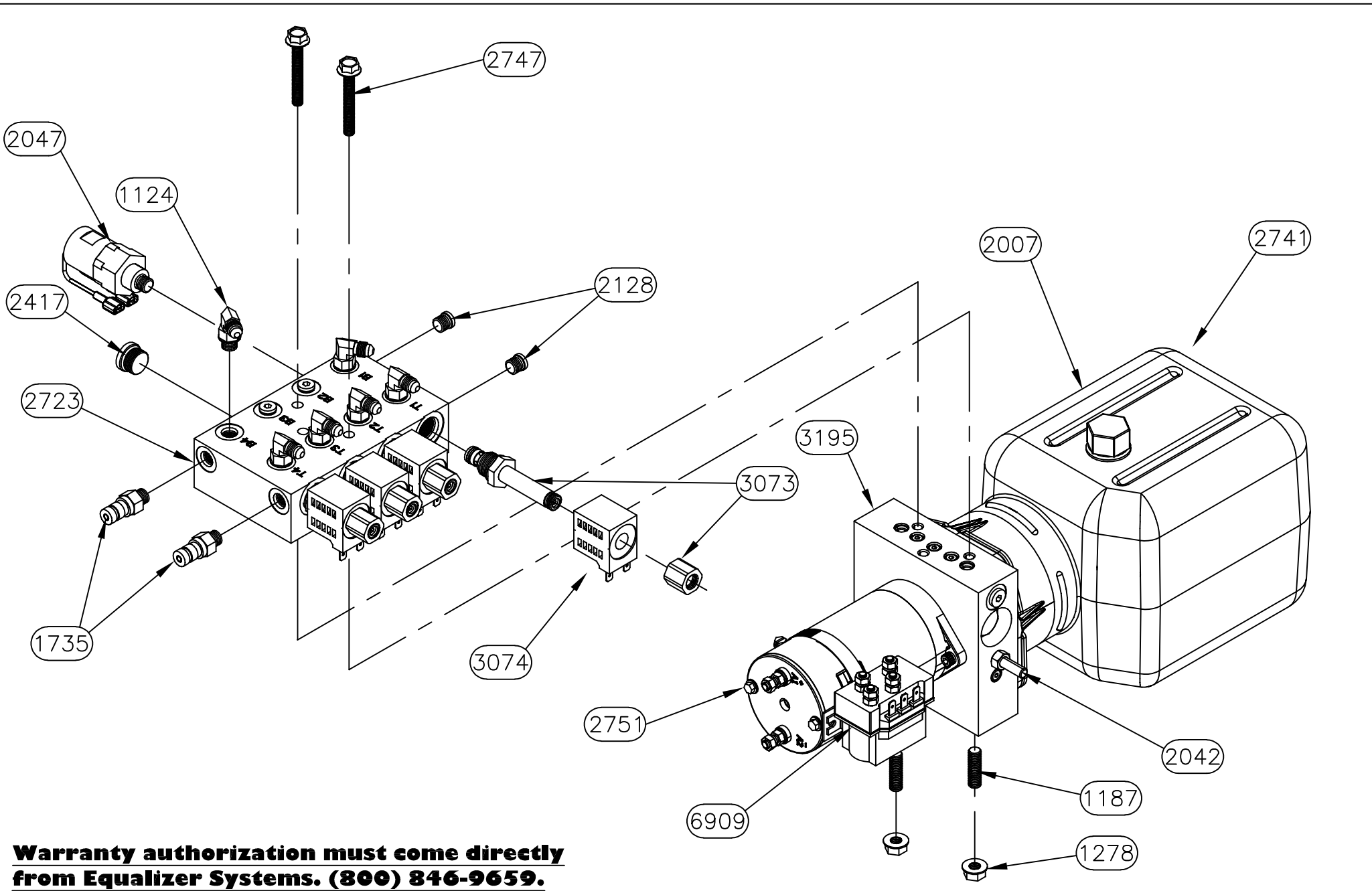
Revisions				

**MY2018 VENTANA 4308, 4310, 4311, 4326, 4369
STANDARD ON ALL FLOOR PLANS LISTED**



Notes:
 Jack assemblies in list include mount plate and hardware. To order a replacement jack assembly, use part number 7214 for the front jacks and 7134 for the rear jacks.
 On 7/26/16 the system number changed from 8749 to 8749A for 3149A controller.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8749A
Pump	4-Function, Jacks	1		7837
Jacks (Front)	12,000 lbs, 16" Stroke	2		7835
Jacks (Rear)	17,500 lbs, 18" Stroke	2		7965
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3149A
Harness	Connects Pump, Controller, & Touch Pad	1		6940
Hose Kit	Complete Set of Hoses	1		7964
Hose, 10'	LR Jack Bottom to RR Jack Bottom	1	Orange/Yellow Stripe	2465
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brown/White Stripe	2465
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 14'	Pump to Jack, Right Front Bottom	1	White Stripe	2469
Hose, 36'	Pump to Jack, Left Rear Top	1	Orange Solid	2486
Hose, 36'	Pump to Jack, Right Rear Top	1	Yellow Solid	2486
Hose, 38'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2488
Options				
Revisions				



Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

Equalizer 55169 COUNTY ROAD 3
ELKHART, IN 46515

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#	REVISIONS	BY:	DATE:
A	CHANGED VALVES & COILS	SJ	5/10/12
B	CHANGED PUMP FROM 3043 TO 3195	SJ	9/29/14
C	MOVED PRESSURE SWITCH	SJ	9/8/16

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

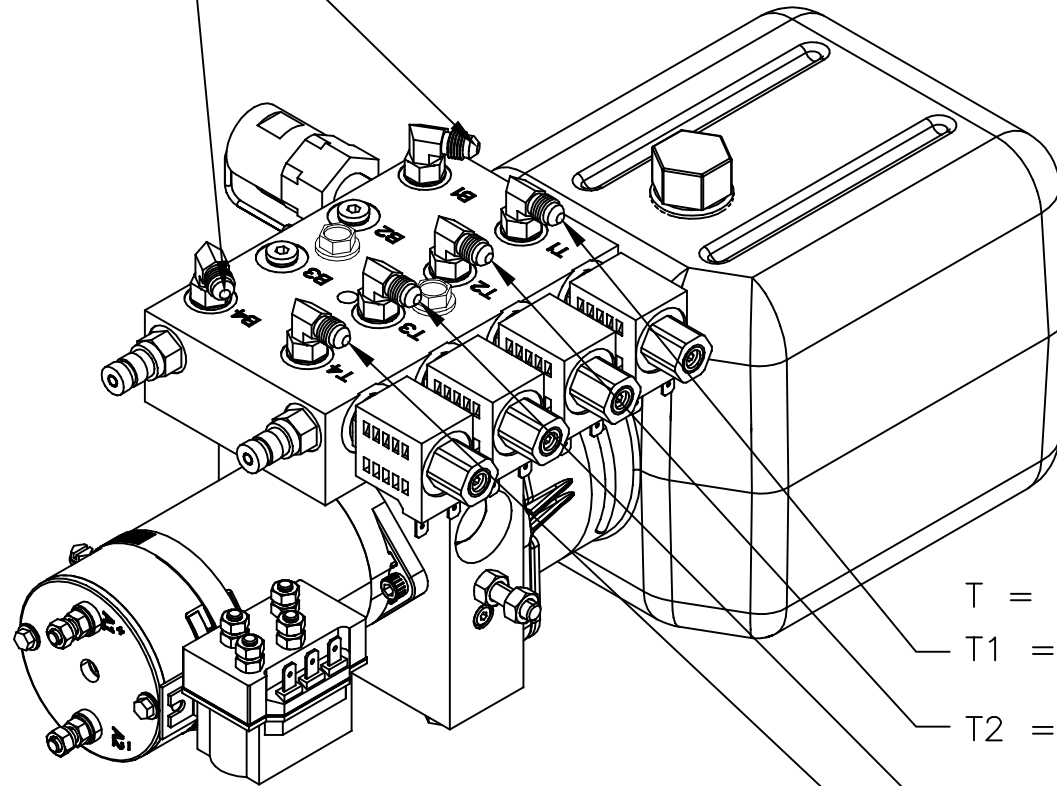
TITLE		USED ON:	
4 FUNCTION PUMP		4 POINT AUTOLEVEL SYSTEMS	
SIZE	SCALE	MATERIAL	
A	1:1		
DRW BY:	DATE:	PART NAME:	
SJ	5/24/11	PUMP & MAN 4 FUNC BIROT 3 IN-NEWMAR	
APP'D BY:	DATE:	PAGE:	DWG NO.:
-	-	2 OF 2	P7770
			REV:
			C

HYDRAULIC HOSE CONNECTIONS 7770 PUMP

B = RETRACT FUNCTION

B1 = LEFT FRONT JACK
(BROWN/BLACK)

B4 = RIGHT REAR JACK
(YELLOW/BLACK)



T = EXTEND FUNCTION

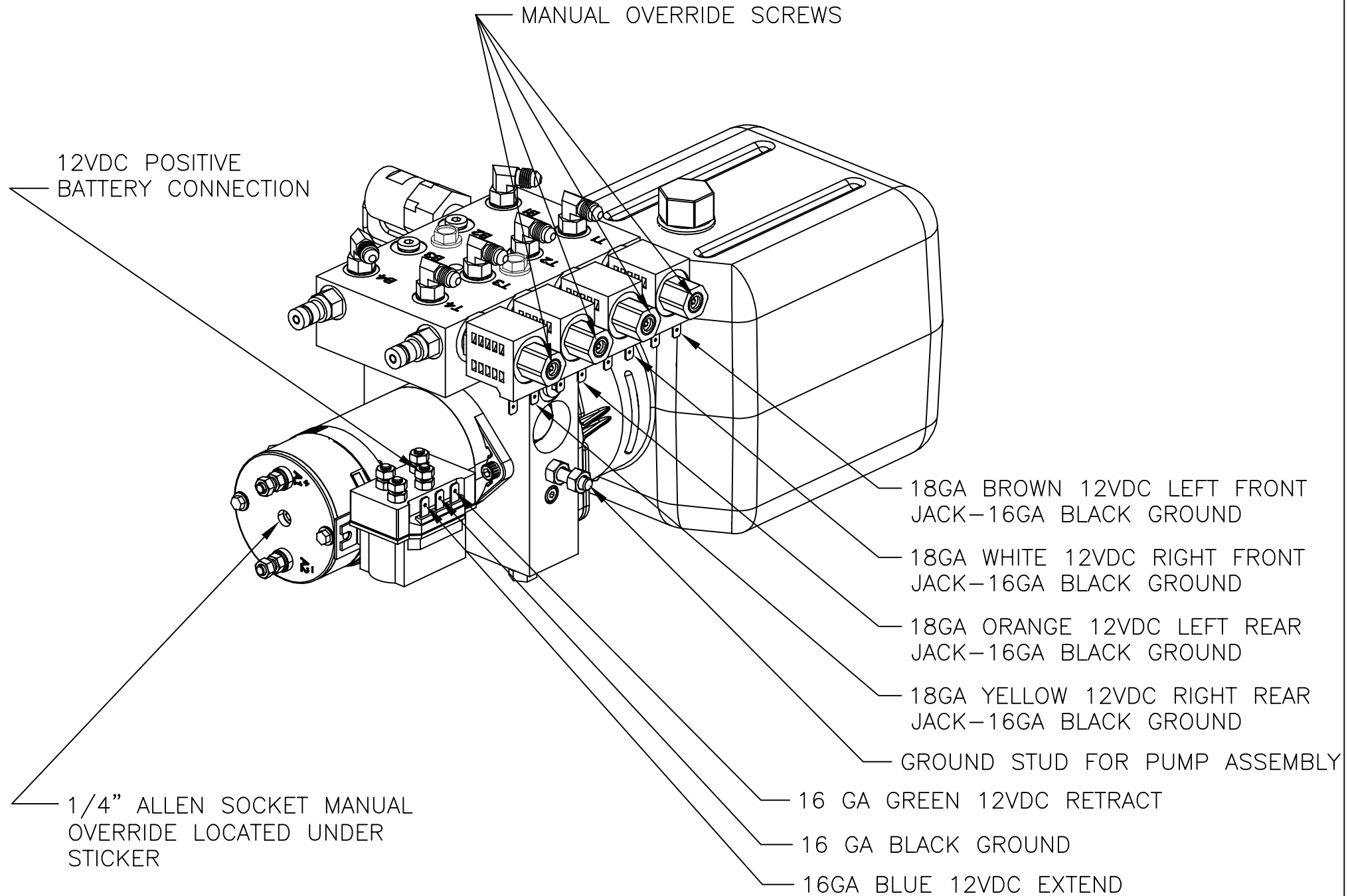
T1 = LEFT FRONT JACK (BROWN)

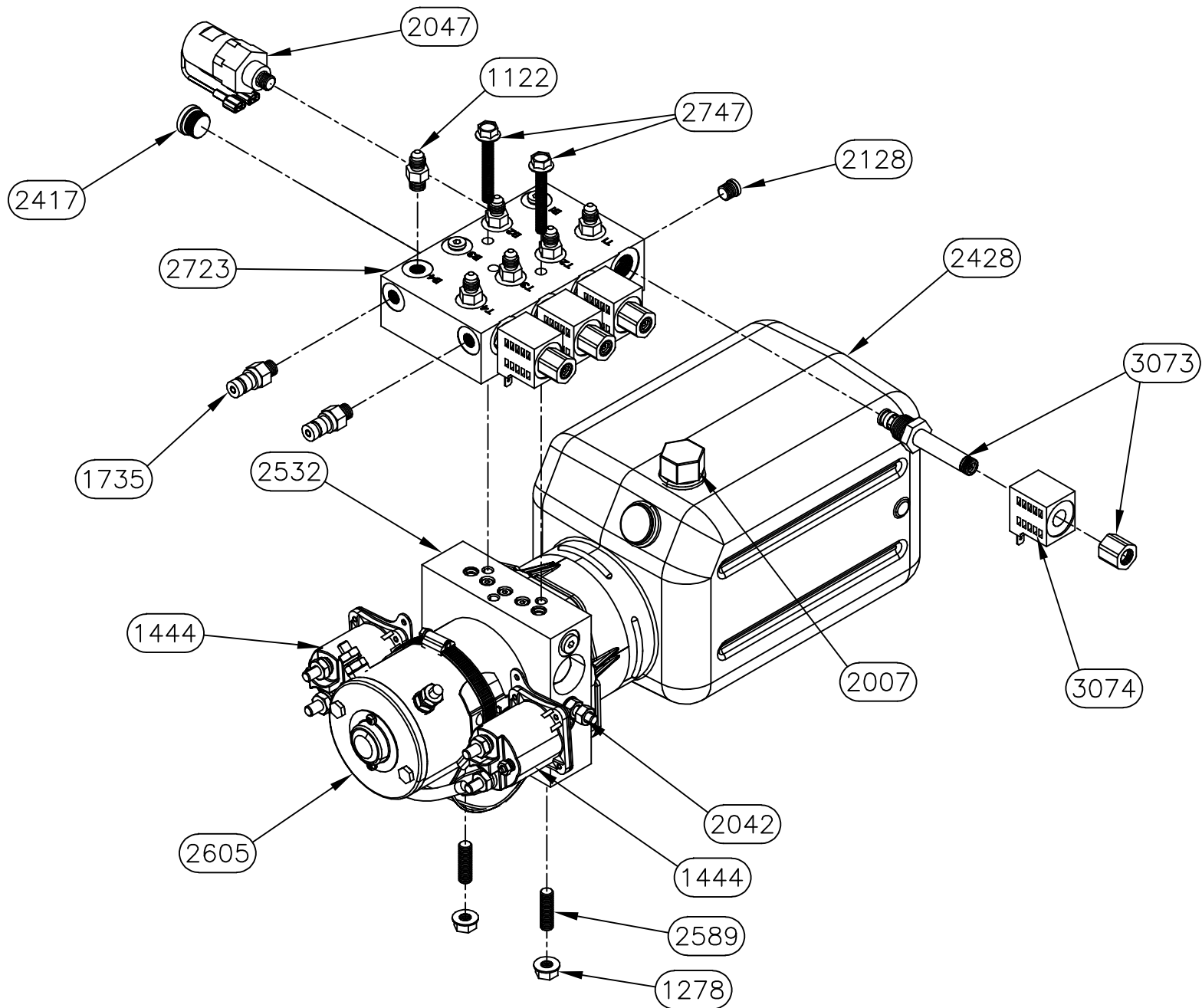
T2 = RIGHT FRONT JACK (WHITE)

T3 = LEFT REAR JACK (ORANGE)

T4 = RIGHT REAR JACK (YELLOW)

7770 PUMP WIRING





Equalizer

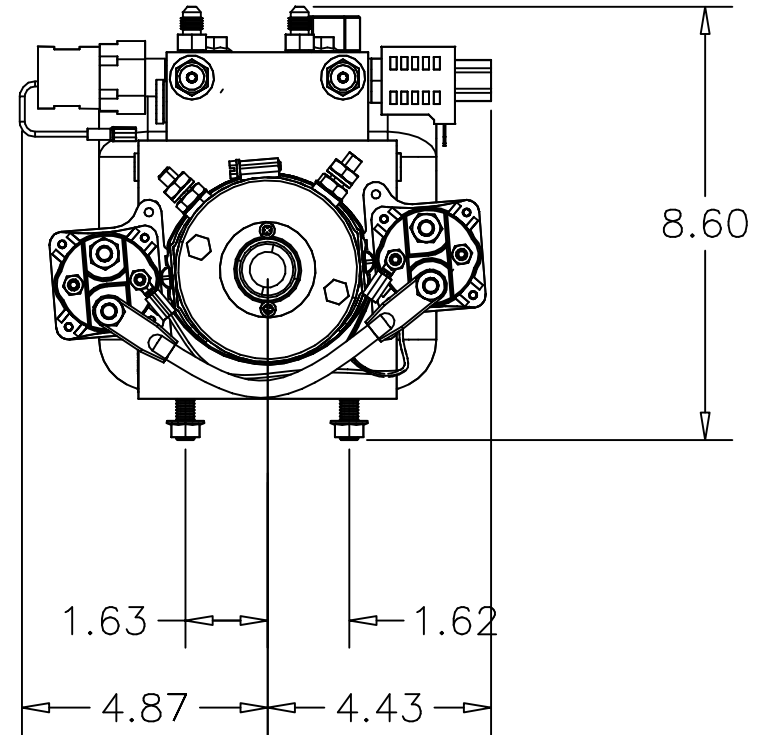
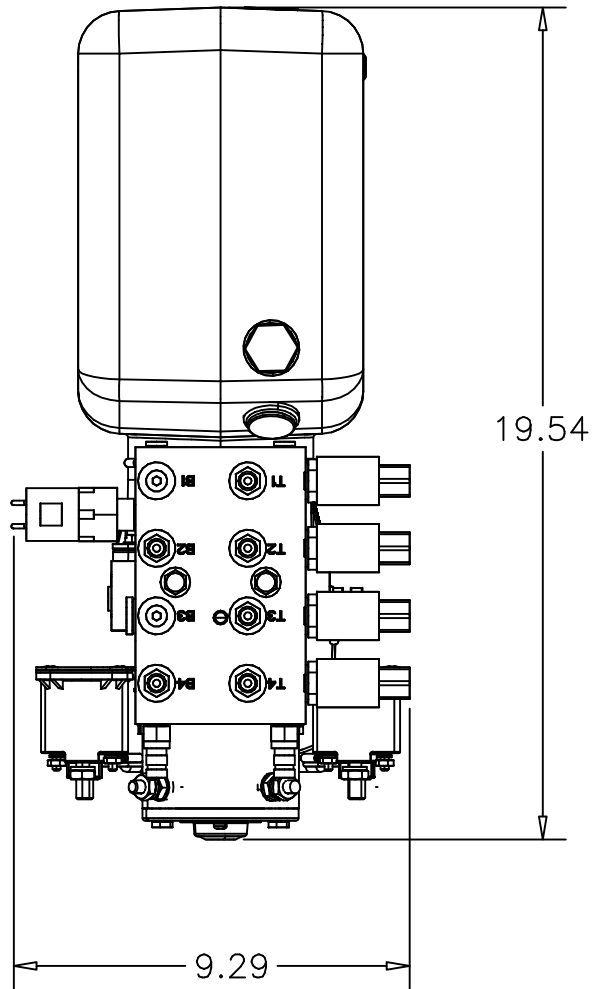
55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:
A	ADDED SECOND PURGE FITTING AND MOVE PRESSURE SWITCH	SJ	9/8/16

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE		USED ON:	
4 FUNC. BIROT. PUMP ASSEMBLY		NEWMAR DIESEL	
SIZE	SCALE	MATERIAL	NOTED
A	1:1	AS	
DRW BY:	DATE:	PART NAME:	
SJ	2/5/13	PUMP & MAN 4 FUN BR MOS-NEWMAR DIESEL	
APP'D BY:	DATE:	PAGE:	DWG NO.:
		2 OF 3	P7837
			REV: A

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Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:
A	ADDED SECOND PURGE FITTING AND MOVE PRESSURE SWITCH	SJ	9/8/16

BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

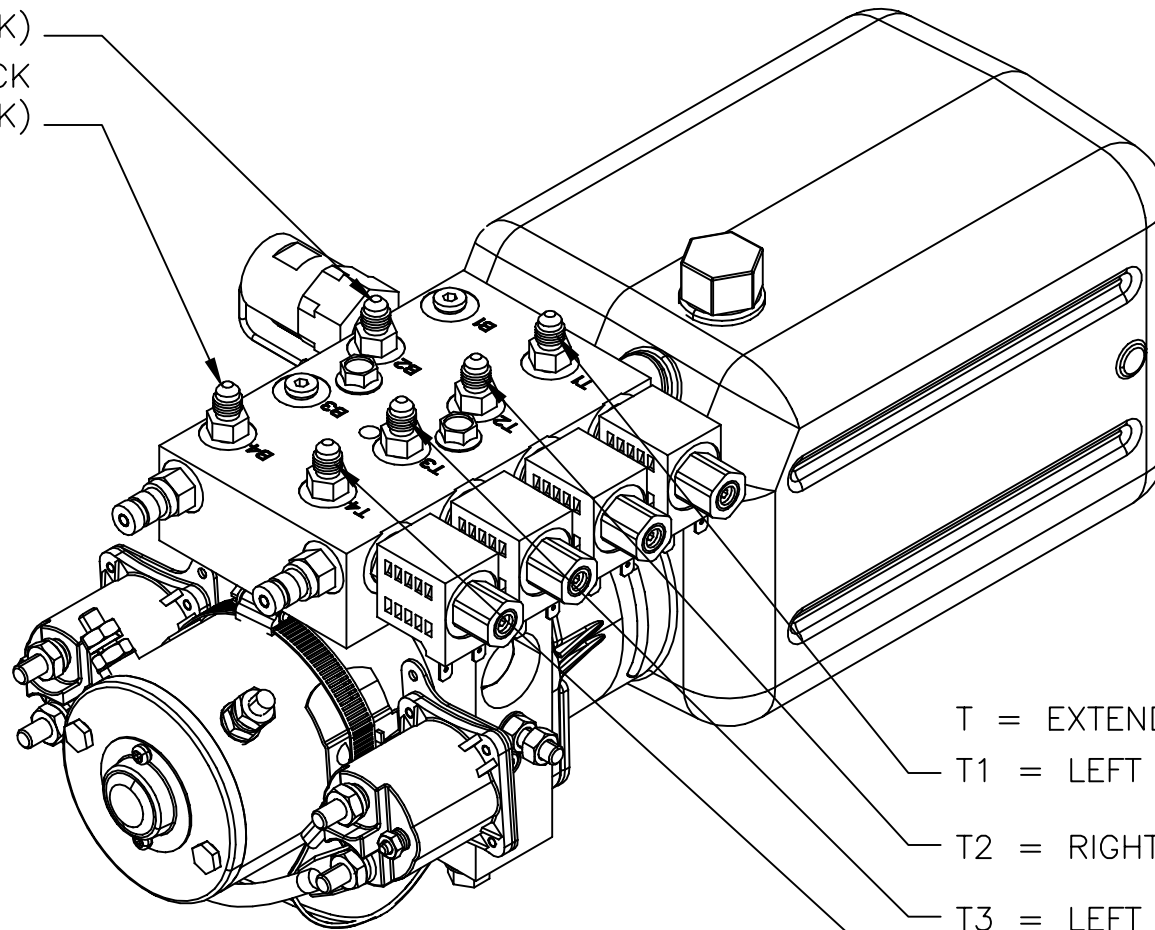
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4 FUNC. BIROT. PUMP ASSEMBLY		NEWMAR DIESEL
SIZE	SCALE	MATERIAL
A	1:1	AS
DRW BY:	DATE:	PART NAME:
SJ	2/5/13	PUMP & MAN 4 FUN BR MOS-NEWMAR DIESEL
APP'D BY:	DATE:	PAGE:
-	-	3 OF 3

NOTED		REV:
		A
DWG NO.:		
P7837		

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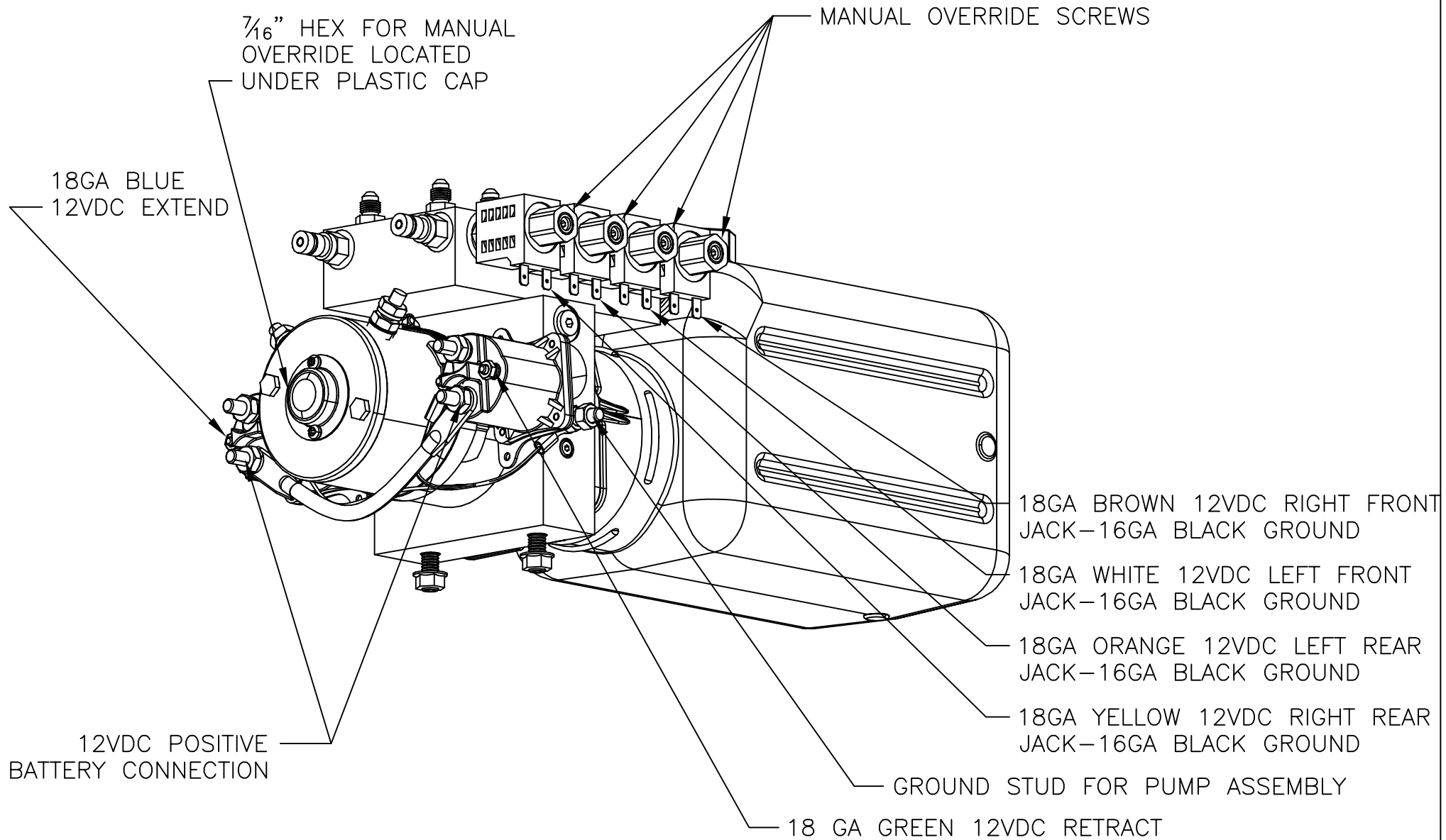
HYDRAULIC HOSE CONNECTIONS 7837 PUMP

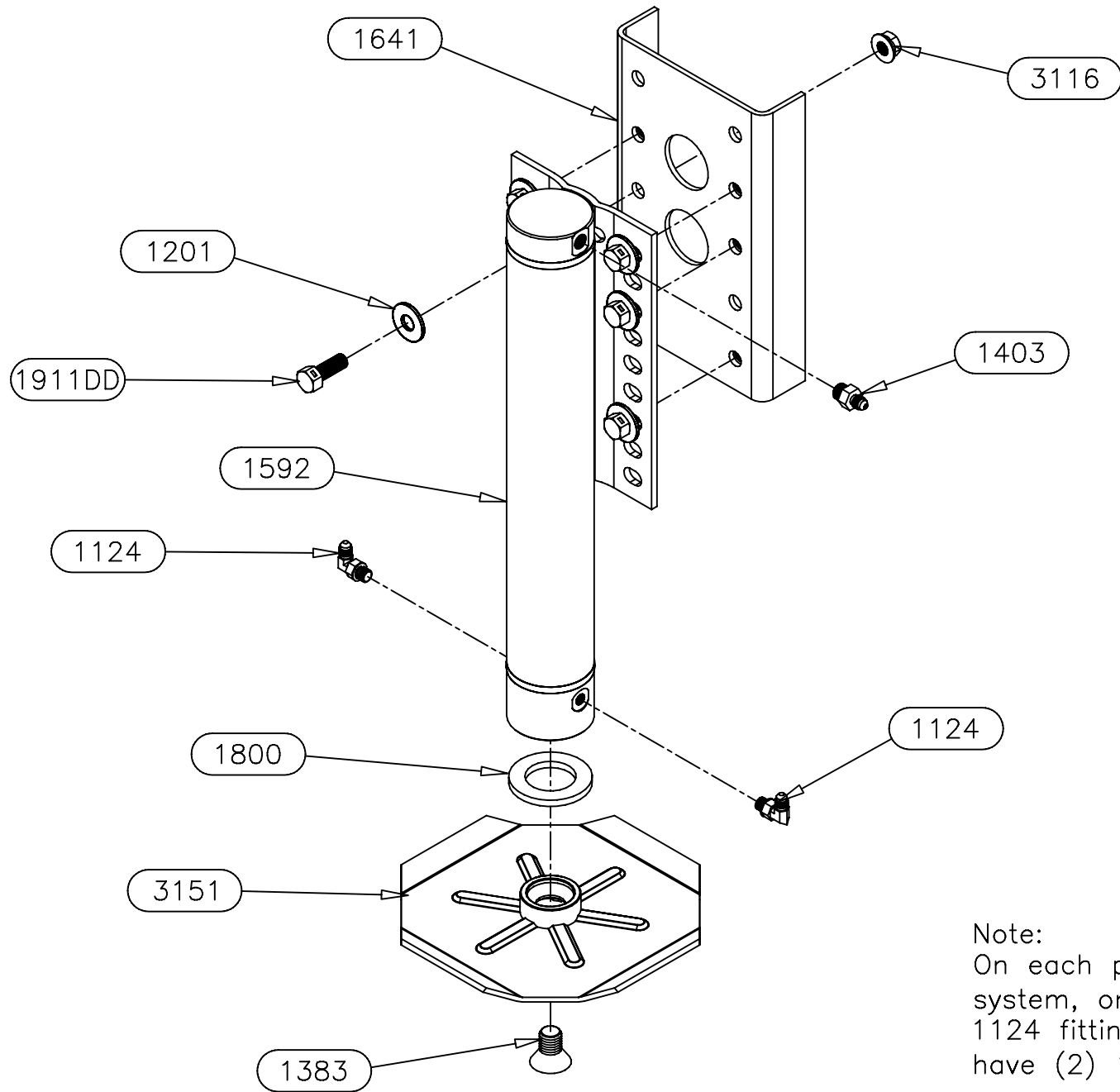
B = RETRACT FUNCTION
B1 = RIGHT FRONT JACK
(WHITE/BLACK)
B4 = RIGHT REAR JACK
(YELLOW/BLACK)



T = EXTEND FUNCTION
T1 = LEFT FRONT JACK (BROWN)
T2 = RIGHT FRONT JACK (WHITE)
T3 = LEFT REAR JACK (ORANGE)
T4 = RIGHT REAR JACK (YELLOW)

7837 PUMP WIRING





Note:
 On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

Equalizer

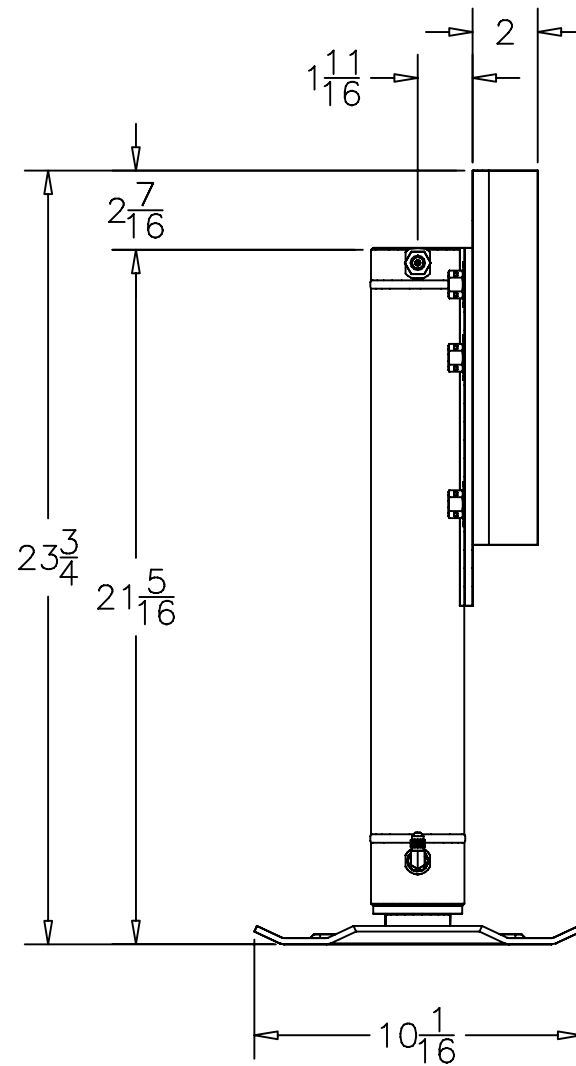
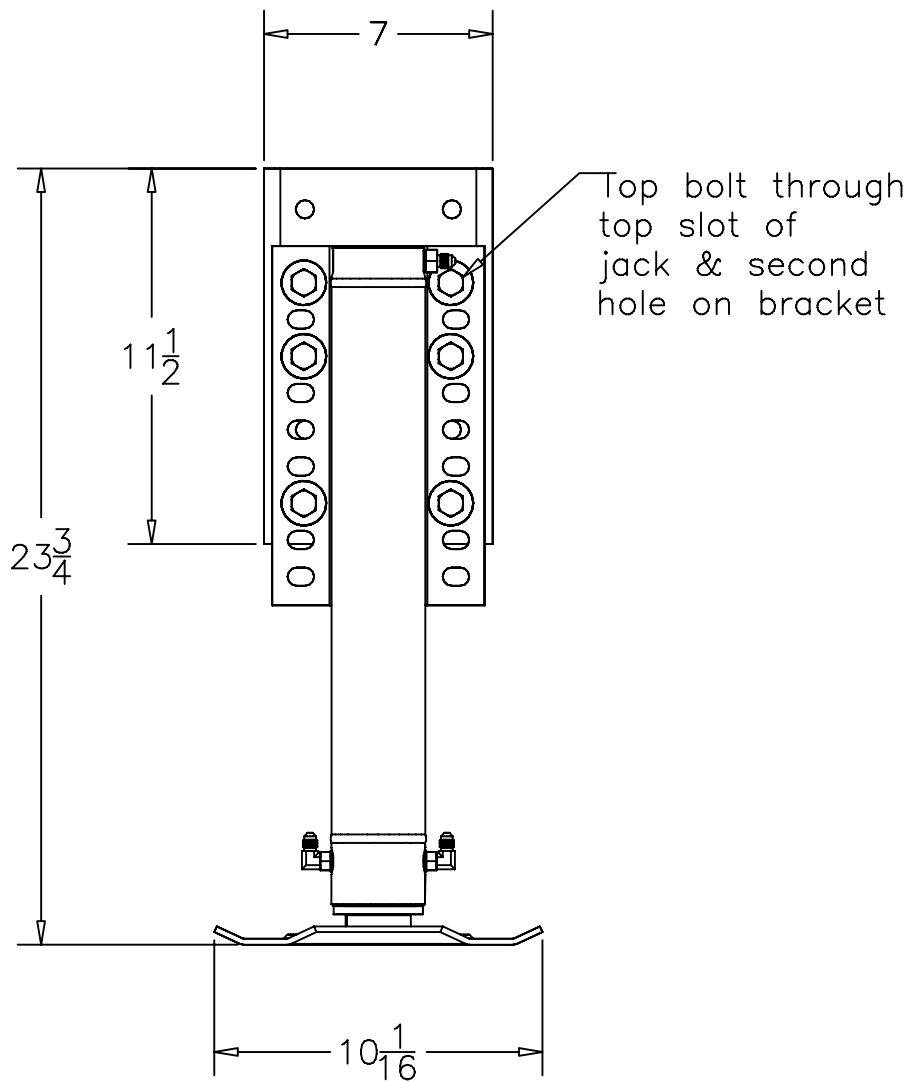
55169 COUNTY ROAD 3
 ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
 TOLERANCES:
 .XXX ± 0.010
 .XX ± 0.010
 .X ± 0.030
 ANG. ± 1/2"
 REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE			USED ON:		
MH 16 SL LEG ASSEMBLY			NEWMAR		
SIZE	SCALE	MATERIAL	NOTED		
A	1:1	AS			
DRW BY:	DATE:	PART NAME:			
SJ	3/30/12	MH 16 SL LEG ASSEMBLY			
APP'D BY:	DATE:	PAGE:	DWG NO.:	REV:	
		2 OF 3	P7214/7761		

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Equalizer

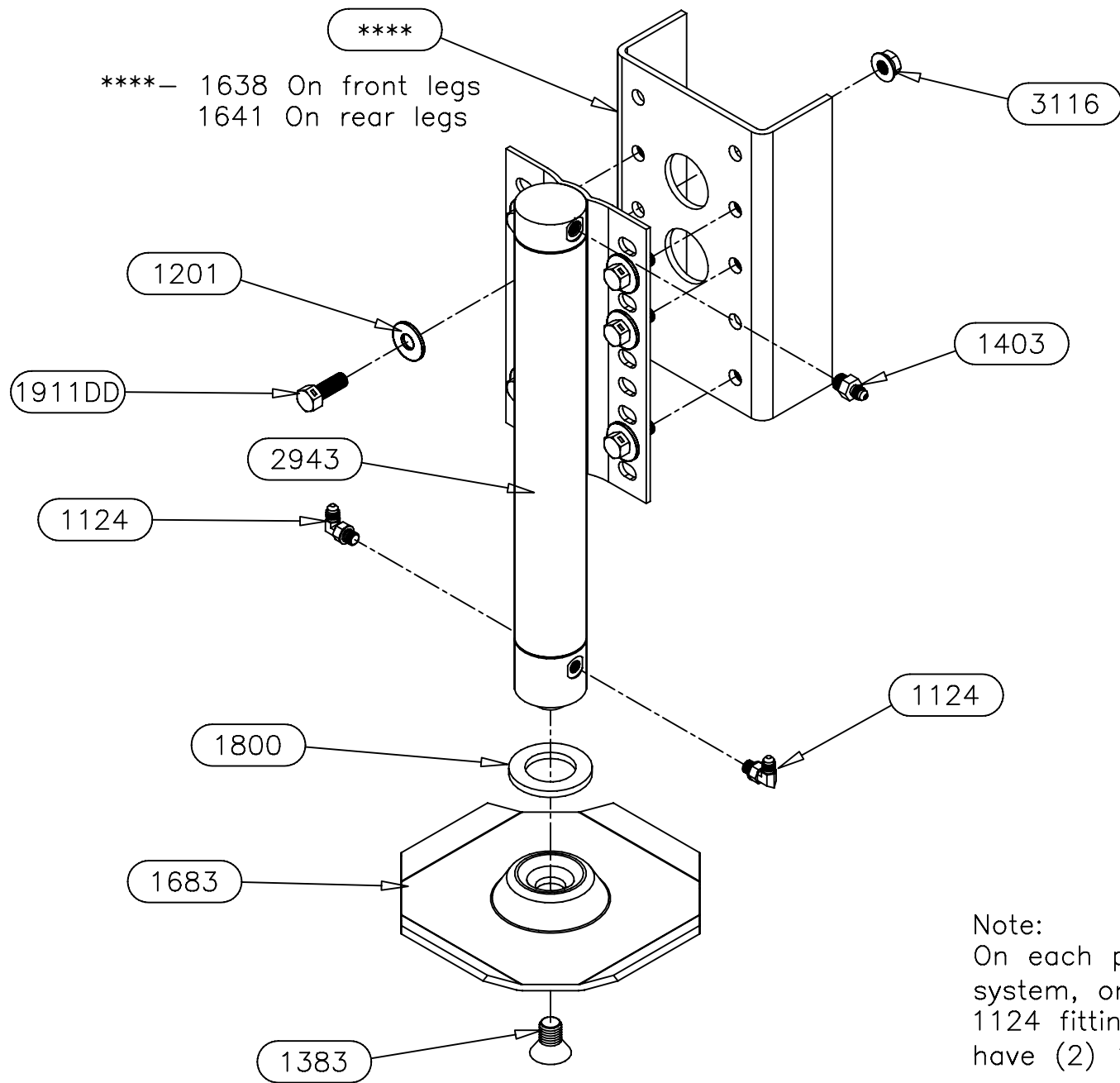
55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

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UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE		USED ON:	
MH 16 SL LEG ASSEMBLY		NEWMAR	
SIZE	SCALE	MATERIAL	NOTED
A	1: 1	AS	
DRW BY:	DATE:	PART NAME:	
SJ	3/30/12	MH 16 SL LEG ASSEMBLY	
APP'D BY:	DATE:	PAGE:	DWG NO.:
-	-	3 OF 3	P7214/7761
			REV:
			-



Note:
On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

Equalizer

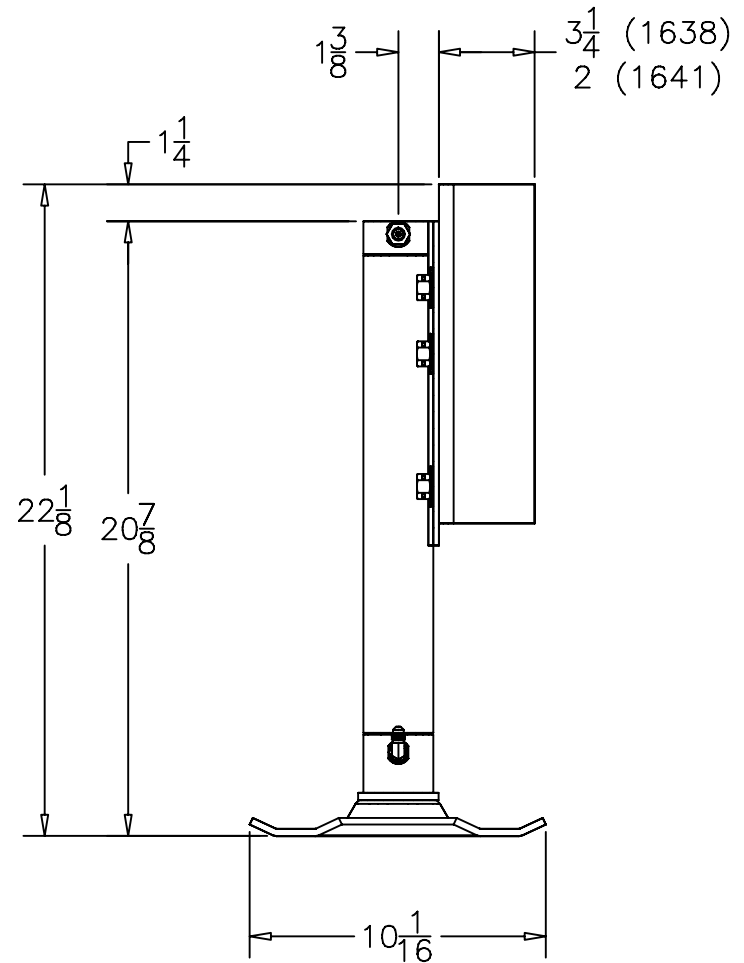
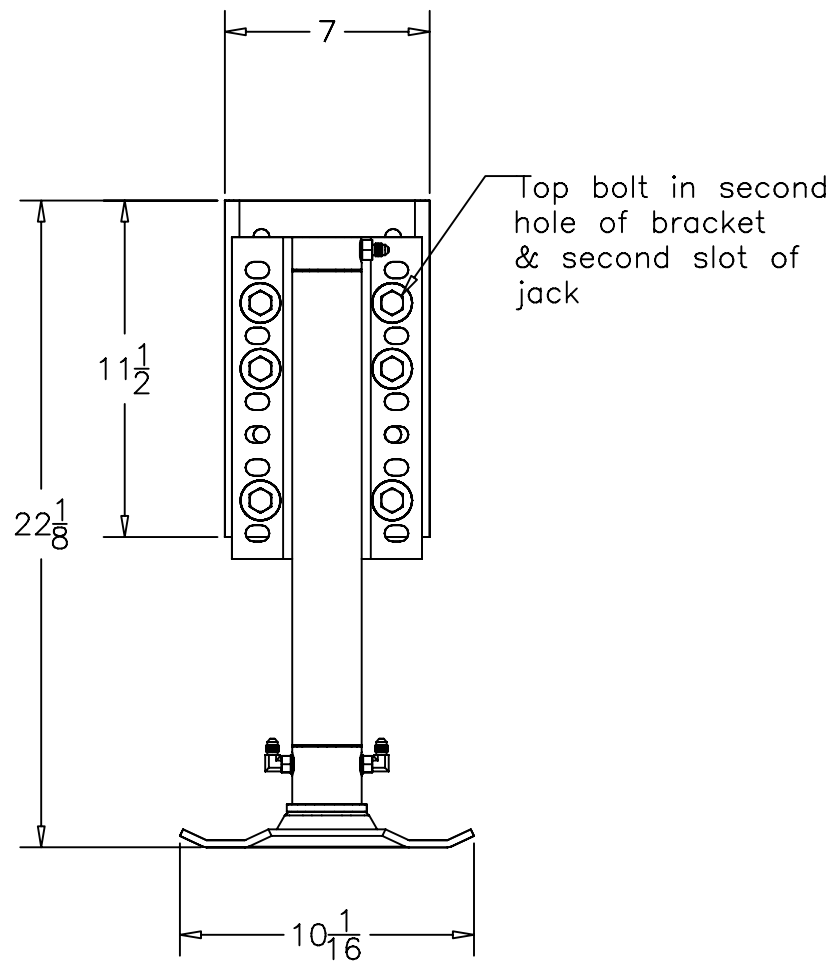
55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:
A	Updated hardware	SJ	4/6/12
B	Added dimensions	SJ	2/6/13

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE			USED ON:		
MH 15 SL LEG ASSEMBLY			NEWMAR		
SIZE	SCALE	MATERIAL	NOTED		
A	1:1	AS			
DRW BY:	DATE:	PART NAME:			
SJ	5/3/11	MH 15 SL LEG ASSEMBLY			
APP'D BY	DATE:	PAGE:	DWG NO.:	REV:	
		2 OF 3	P7636/7761	B	

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Equalizer

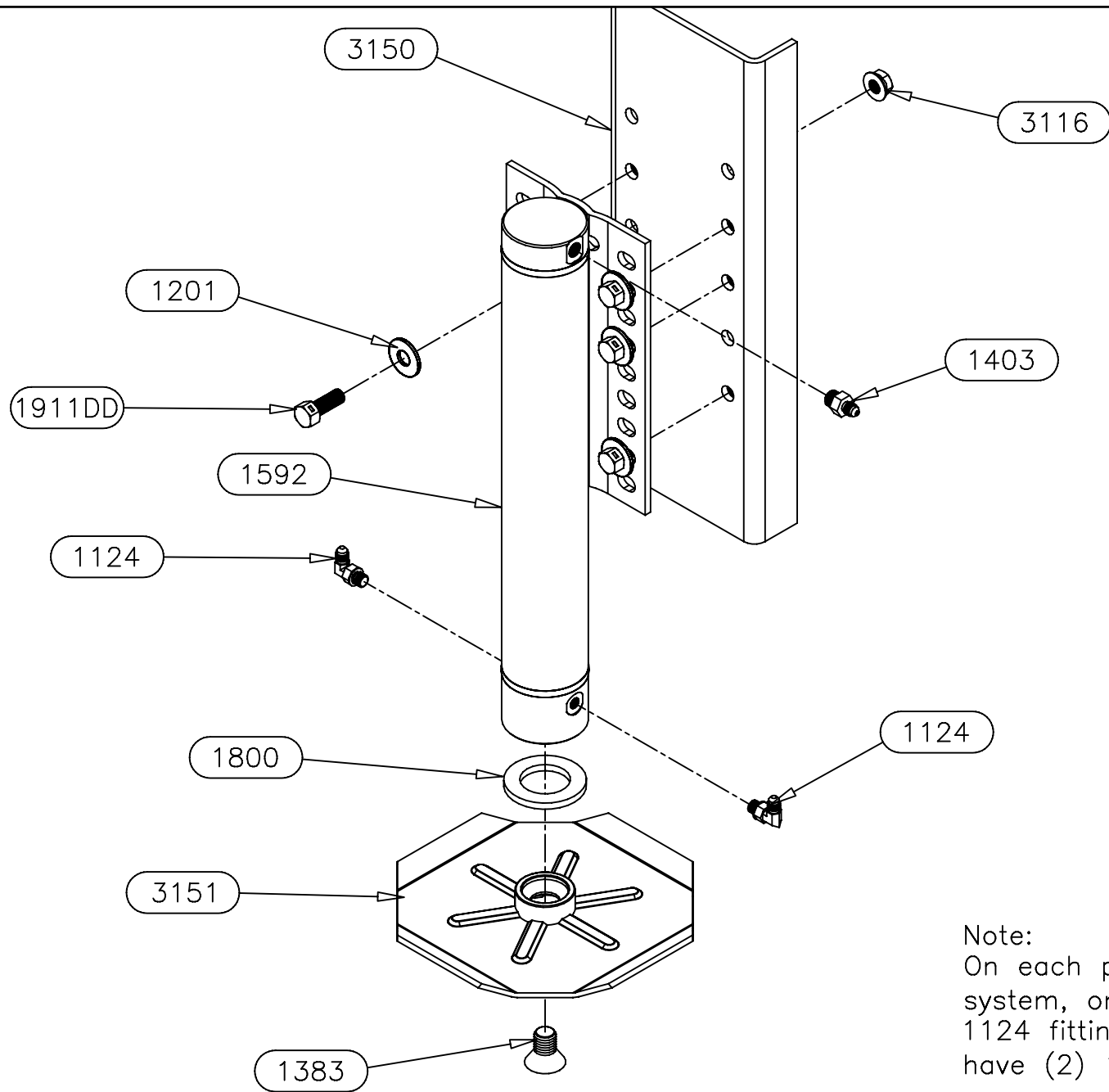
55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:
A	Updated hardware	SJ	4/6/12
B	Added dimensions	SJ	2/6/13

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

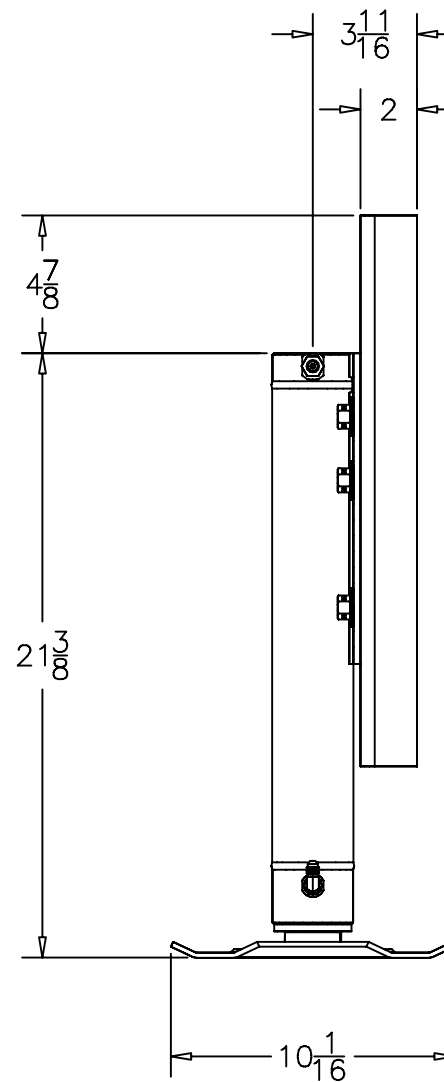
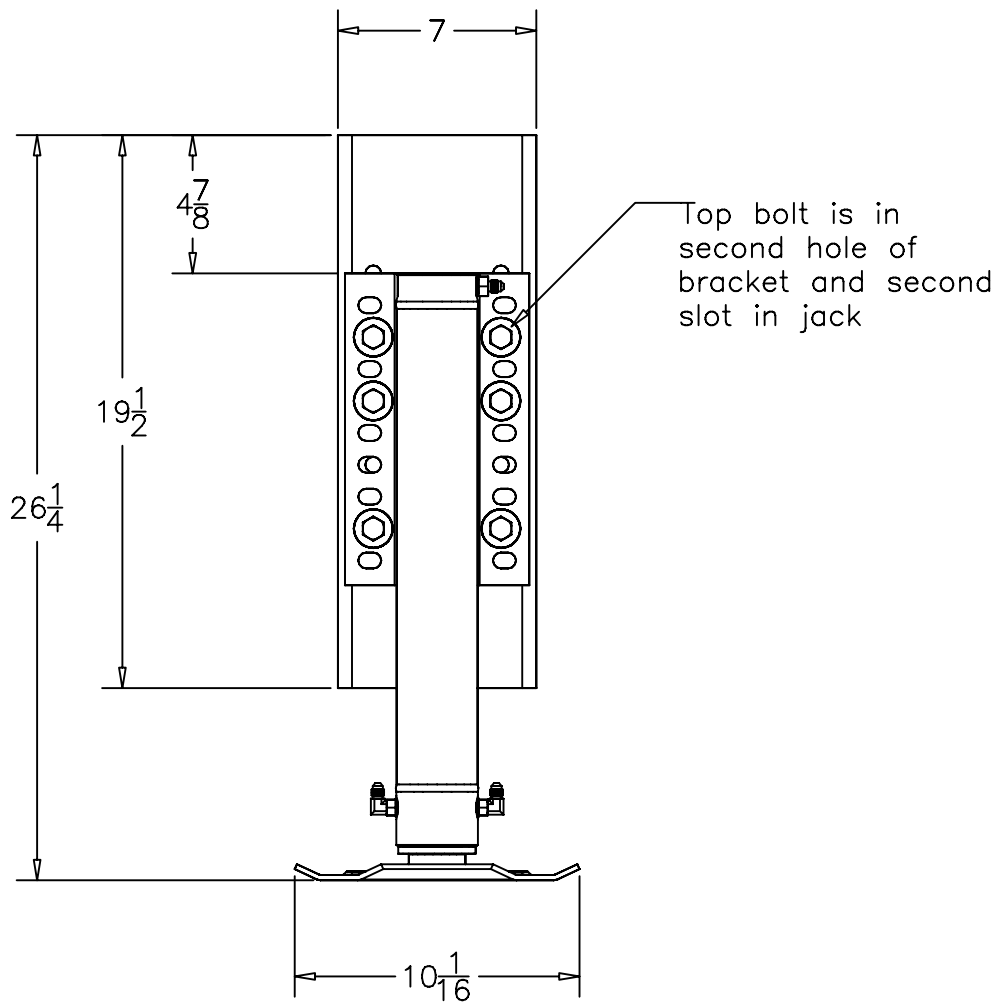
TITLE		USED ON:	
MH 15 SL LEG ASSEMBLY		NEWMAR	
SIZE	SCALE	MATERIAL	
A	1:1	AS NOTED	
DRW BY:	DATE:	PART NAME:	
SJ	5/3/11	MH 15 SL LEG ASSEMBLY	
APP'D BY:	DATE:	PAGE:	DWG NO.:
-	-	3 OF 3	P7636/7761
		REV:	B

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Note:
 On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

<i>Equalizer</i>	55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE	USED ON:		
							MH 16 SL LEG ASSEMBLY	NEWMAR DIESEL		
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						A	1:1	AS		
						DRW BY:	DATE:	PART NAME:		
						SJ	2/4/13	MH 16 SL LEG ASSEMBLY		
						APP'D BY:	DATE:	PAGE:	DWG NO.:	REV:
						-	-	2 OF 3	P7835/7836	-



Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

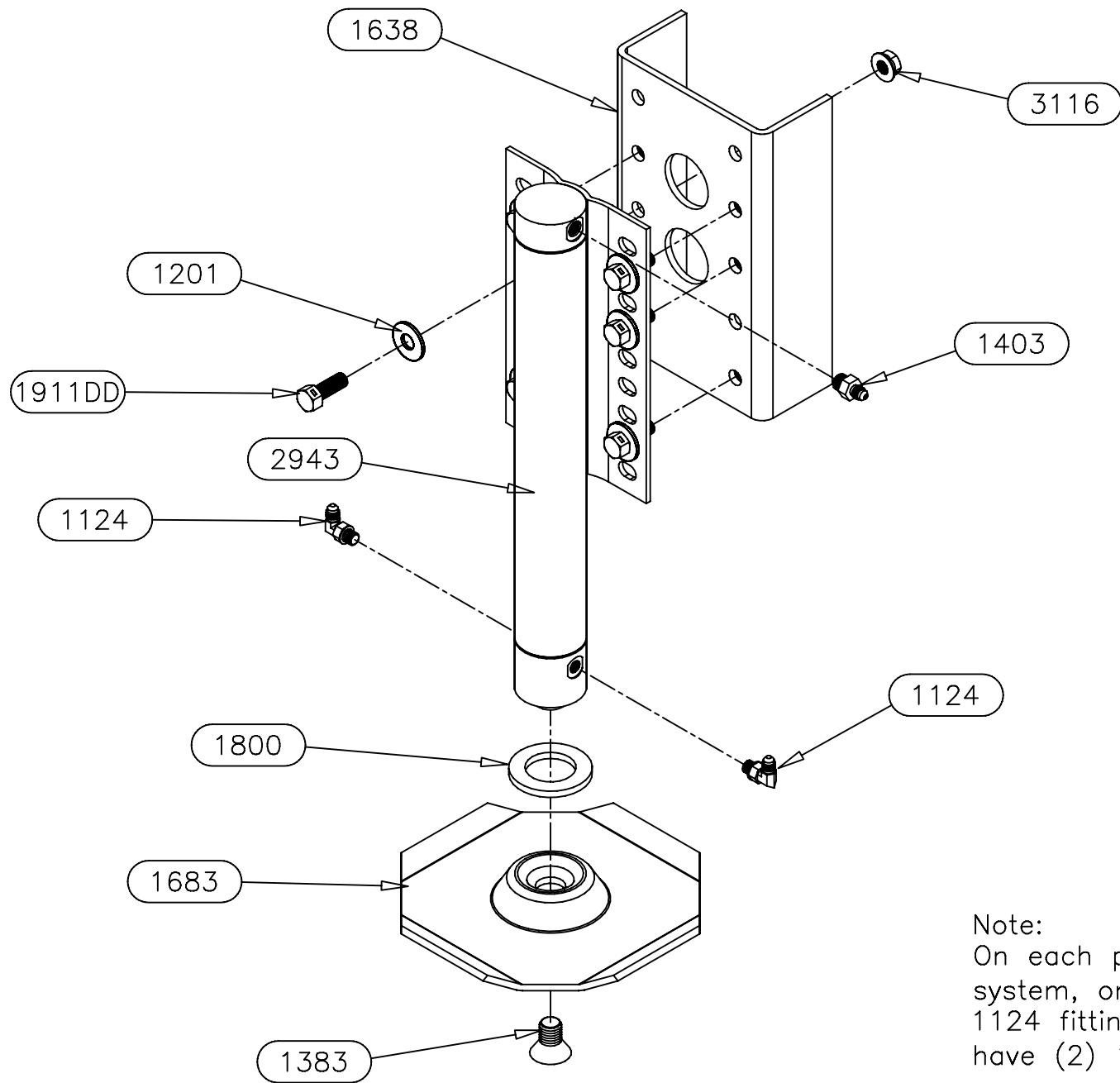
#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE
MH 16 SL LEG ASSEMBLY
SIZE SCALE MATERIAL
A 1: 1 AS
DRW BY: DATE:
SJ 2/4/13
APP'D BY DATE:
- -

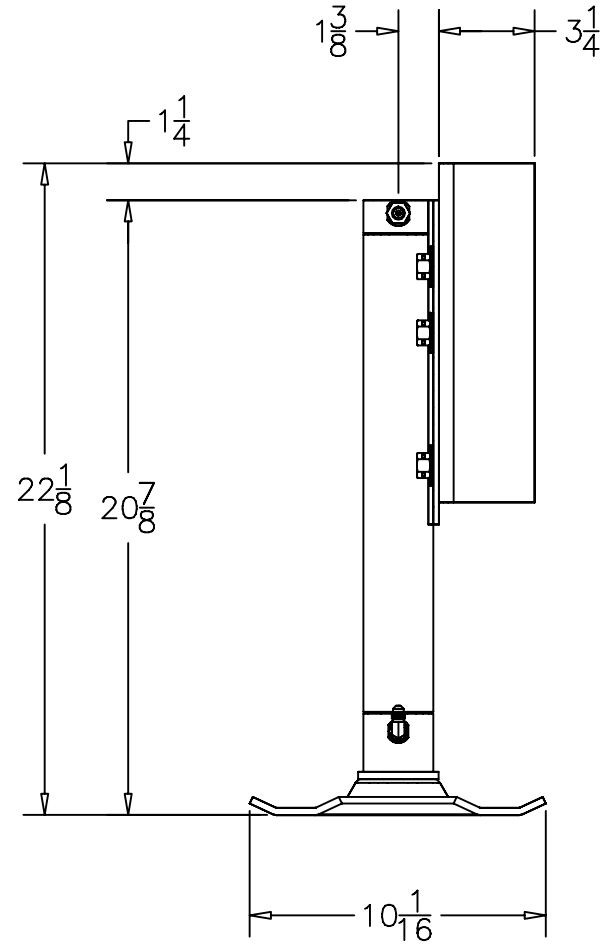
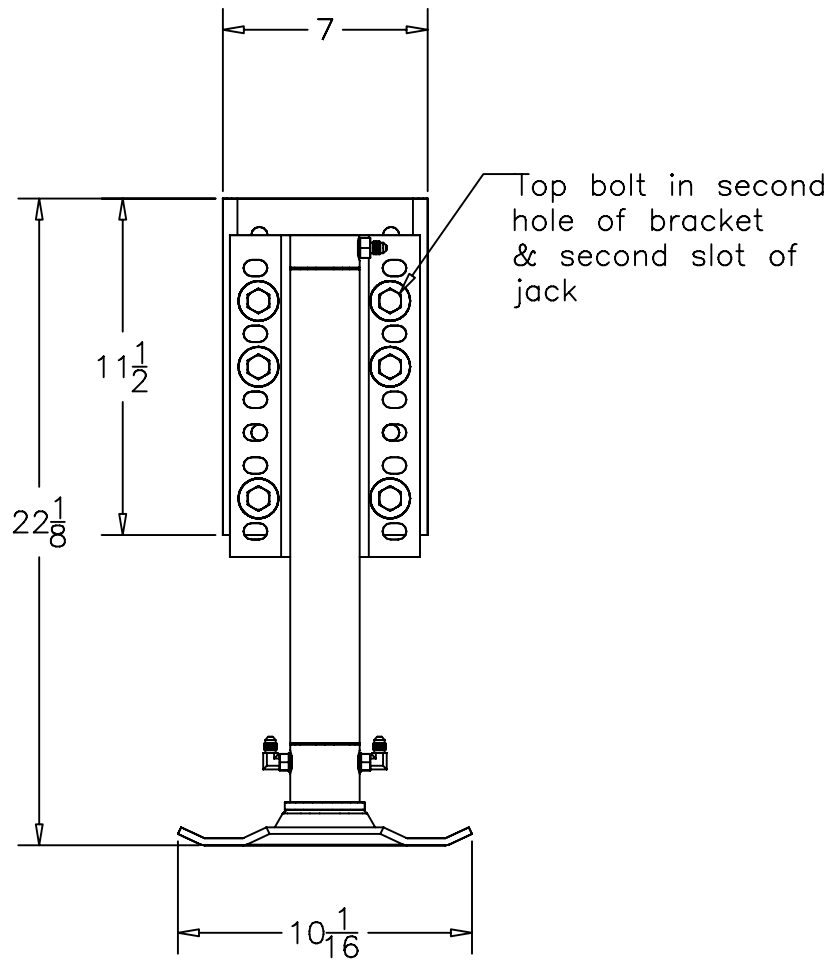
USED ON:
NEWMAR DIESEL
PART NAME:
MH 16 SL LEG ASSEMBLY
PAGE: 3 OF 3
DWG NO.: P7835/7836
REV: -

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Note:
 On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

<i>Equalizer</i>	55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE	USED ON:			
							MH 15 SL LEG ASSEMBLY	NEWMAR			
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							A	1:1	AS		
							DRW BY:	DATE:	PART NAME:		
							SJ	2/11/13	MH 15 SL LEG-3" BRACKET		
							APP'D BY:	DATE:	PAGE:	DWG NO.:	REV:
							-	-	2 OF 3	P7850/7836	-



Equalizer

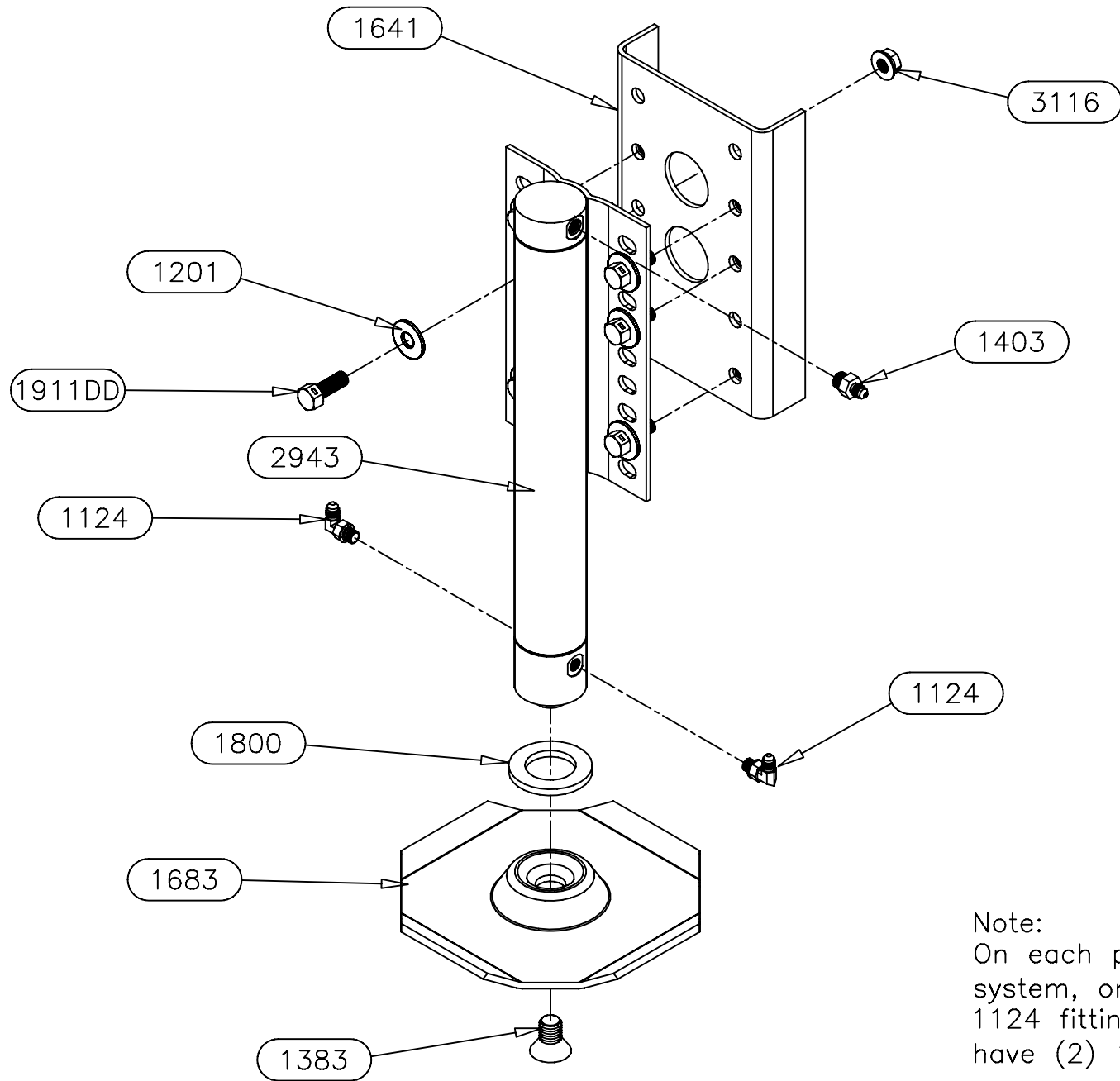
55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

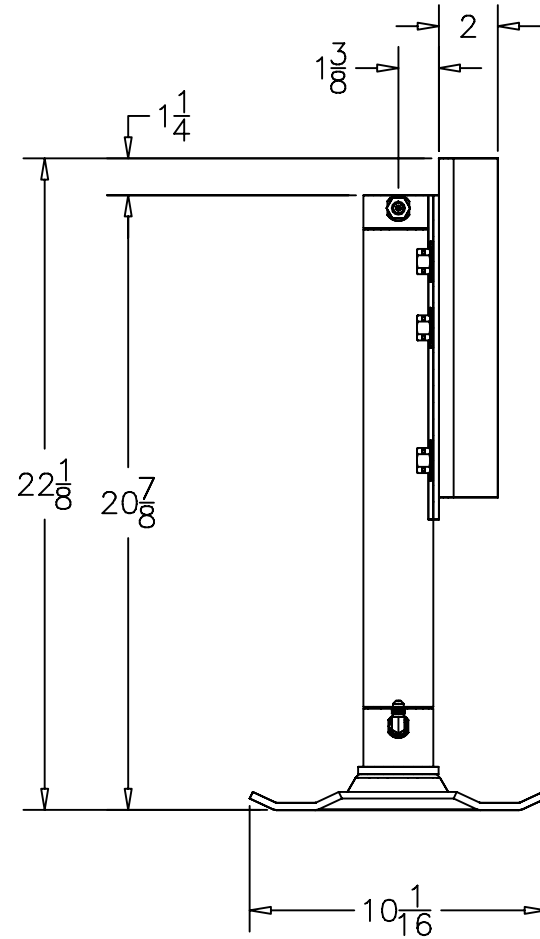
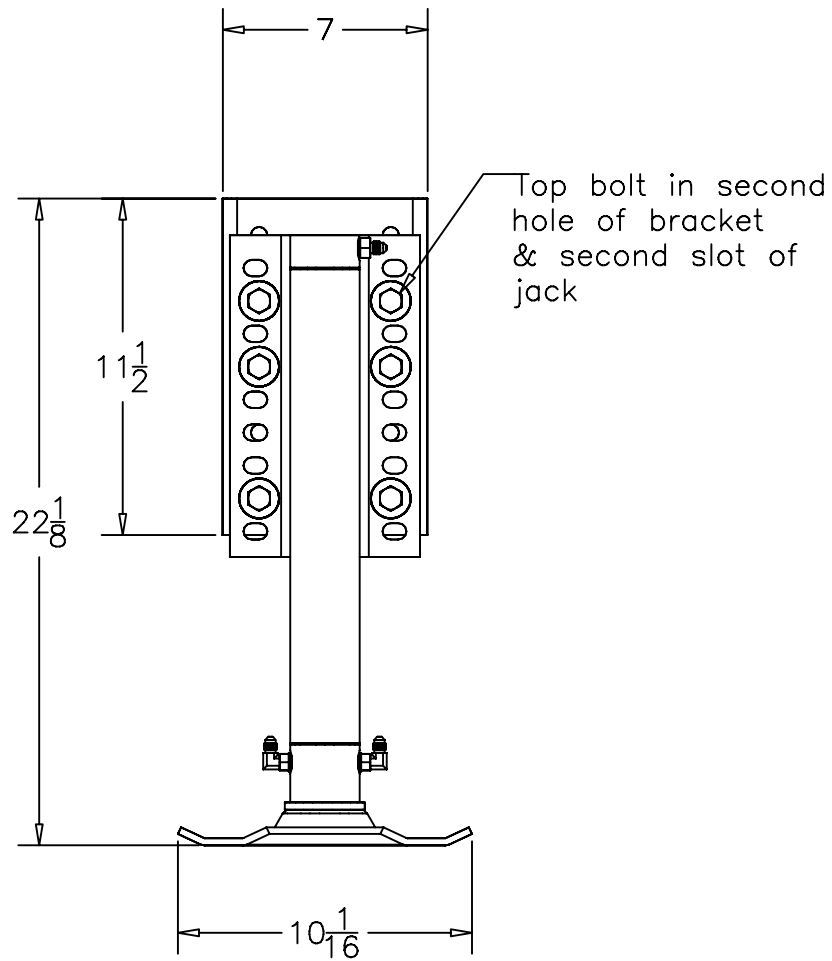
TITLE		USED ON:	
MH 15 SL LEG ASSEMBLY		NEWMAR	
SIZE	SCALE	MATERIAL	
A	1:1	AS NOTED	
DRW BY:	DATE:	PART NAME:	
SJ	2/11/13	MH 15 SL LEG-3" BRACKET	
APP'D BY:	DATE:	PAGE:	DWG NO.:
-	-	3 OF 3	P7850/7836
			REV:
			-

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Note:
 On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

<i>Equalizer</i>	55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED:	TITLE	USED ON:
						.XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2"	MH 15 SL LEG ASSEMBLY	NEWMAR
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							A 1: 1 AS	
							DRW BY: DATE:	PART NAME:
							SJ 2/11/13	MH 15 SL LEG-2" BRACKET
							APP'D BY: DATE:	PAGE: DWG NO.: REV:
							- -	2 OF 3 P7851/7836 -



Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE		USED ON:	
MH 15 SL LEG ASSEMBLY		NEWMAR	
SIZE	SCALE	MATERIAL	
A	1:1	AS NOTED	
DRW BY:	DATE:	PART NAME:	
SJ	2/11/13	MH 15 SL LEG-2" BRACKET	
APP'D BY	DATE:	PAGE:	DWG NO.:
-	-	3 OF 3	P7851/7836
			REV:
			-

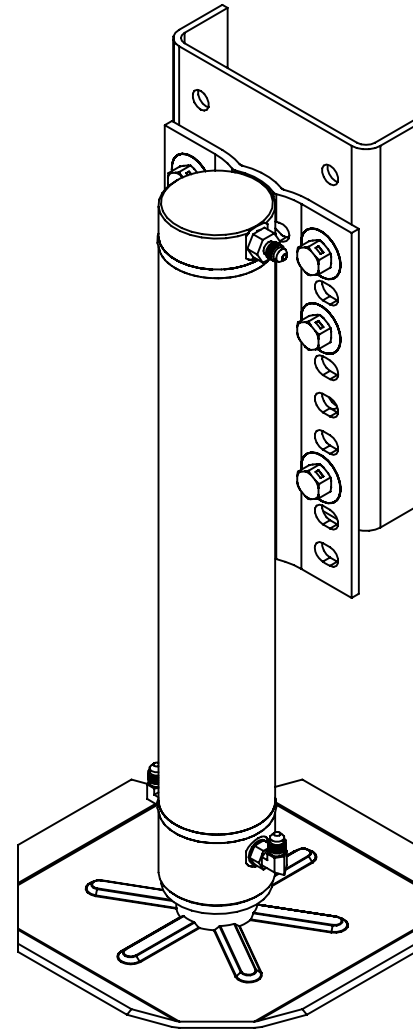
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7852 PARTS LIST (ONE JACK)

PART#	DESCRIPTION	QUAN
1201	WASHER-1/2 SAE FLAT ZINC	6
1383	SCREW-3/4-10 X 1 1/4 FHSCS Z	1
1592	CYLINDER-2 1/2 X 16 SL	1
1641	PLATE-MH BOLT 2" 10 HOLE	1
1800	CUSHION-DAMPENING RING-SMALL/THICK	1
1911DD	BOLT-1/2-13 X 1 1/2 HCS ZINC GR 5	6
3116	NUT-1/2-13 FLANGE-SERR	6
3151	FOOT-SL 10" OCT W/COLLAR	1

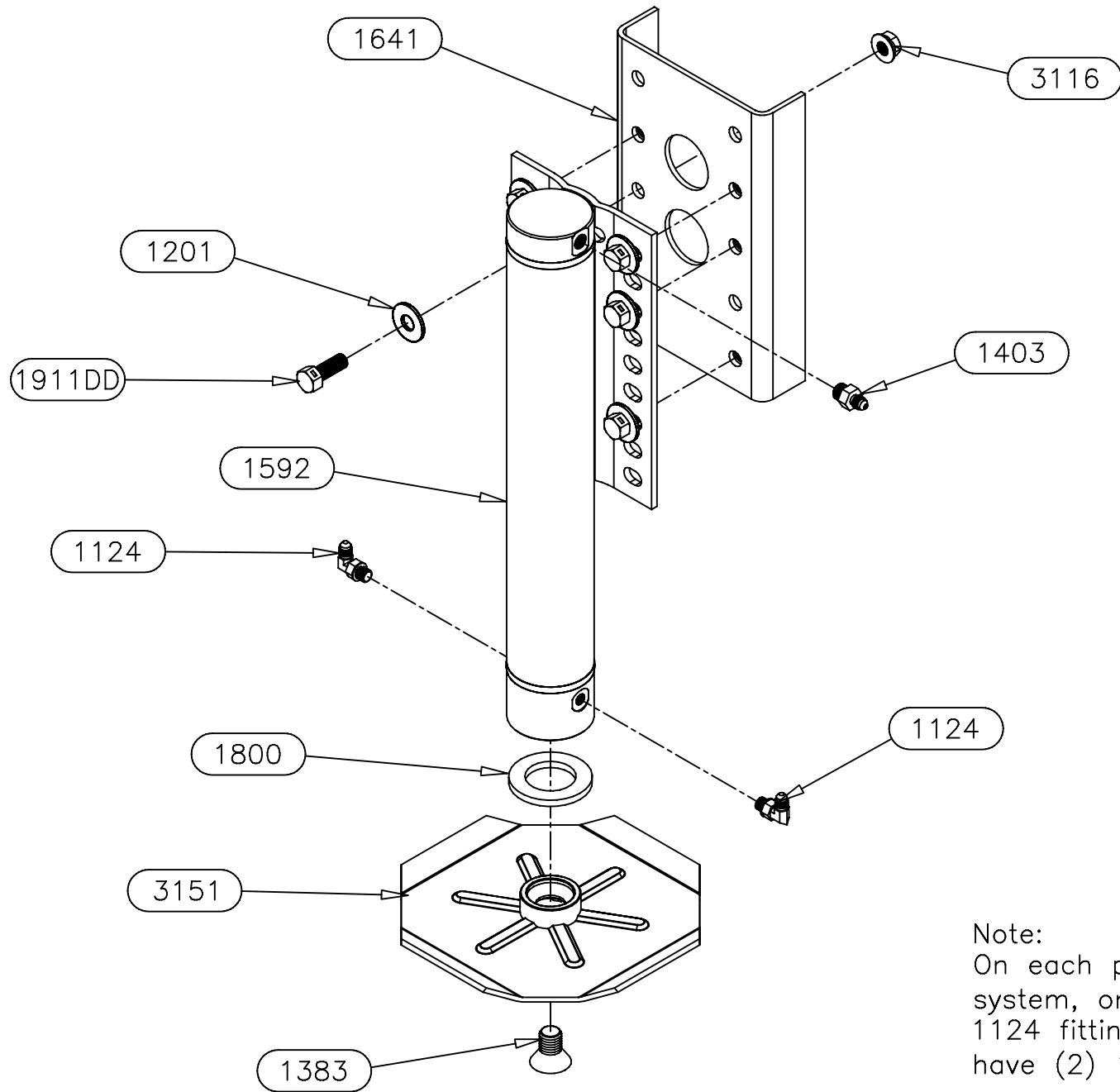
7836 FITTING KIT (FOUR JACKS)

1124	FITTING-#4 JIC X #4 OR MALE 90	6
1403	FITTING-RESTRICTOR #6 X #4	4



Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

Equalizer 55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED:	TITLE	USED ON:
					.XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2"	MH 16 SL LEG ASSEMBLY SIZE SCALE MATERIAL A 1:1 AS	NEWMAR NOTED
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						APP'D BY: DATE: - -	PAGE: DWG NO.: REV: 1 OF 3 P7852/7836 -



Note:
 On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

Equalizer

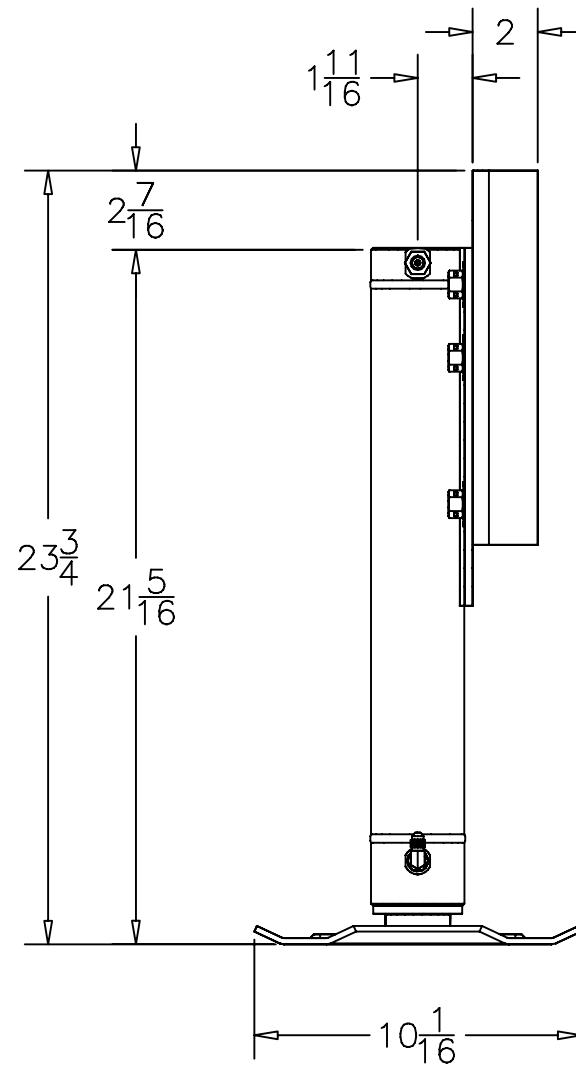
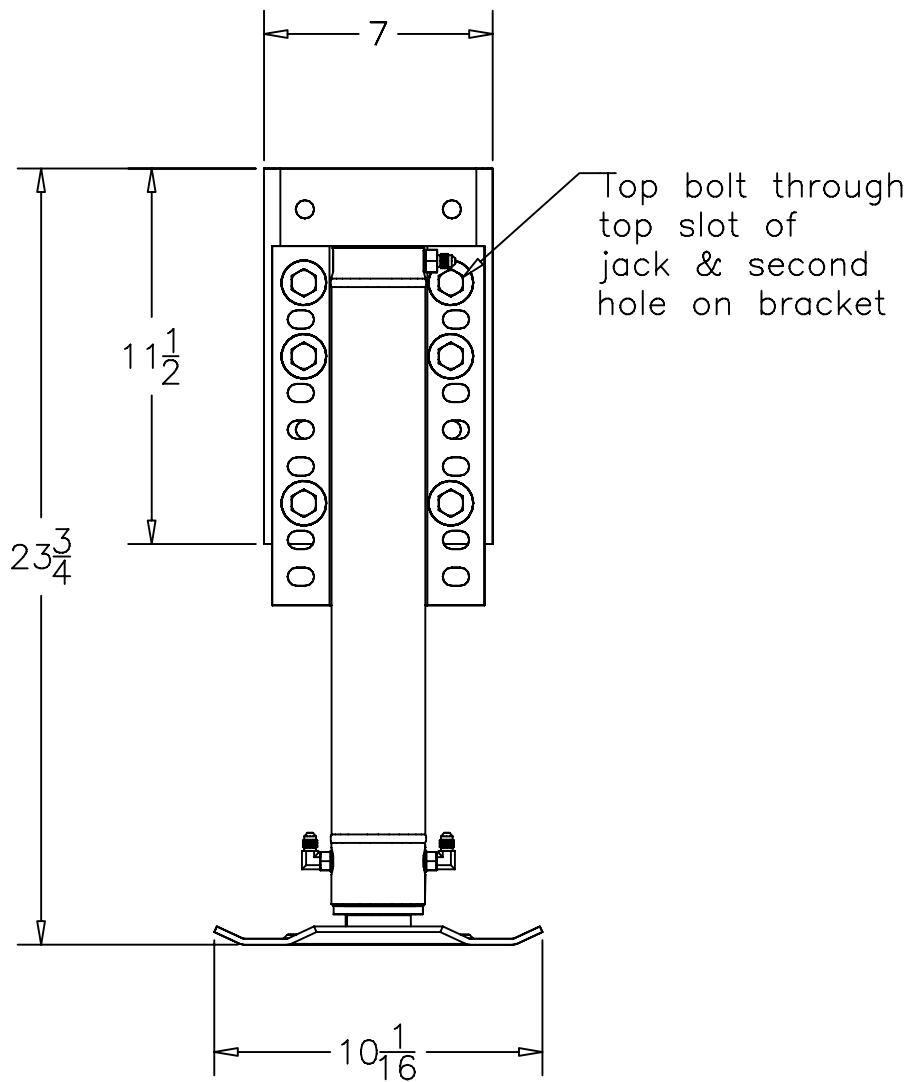
55169 COUNTY ROAD 3
 ELKHART, IN 46515

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#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
 TOLERANCES:
 .XXX ± 0.010
 .XX ± 0.010
 .X ± 0.030
 ANG. ± 1/2"
 REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE			USED ON:		
MH 16 SL LEG ASSEMBLY			NEWMAR		
SIZE	SCALE	MATERIAL	NOTED		
A	1:1	AS			
DRW BY:	DATE:	PART NAME:			
SJ	2/8/13	MH 16 SL LEG-2" BRACKET			
APP'D BY:	DATE:	PAGE:	DWG NO.:	REV:	
-	-	2 OF 3	P7852/7836	-	-



Equalizer

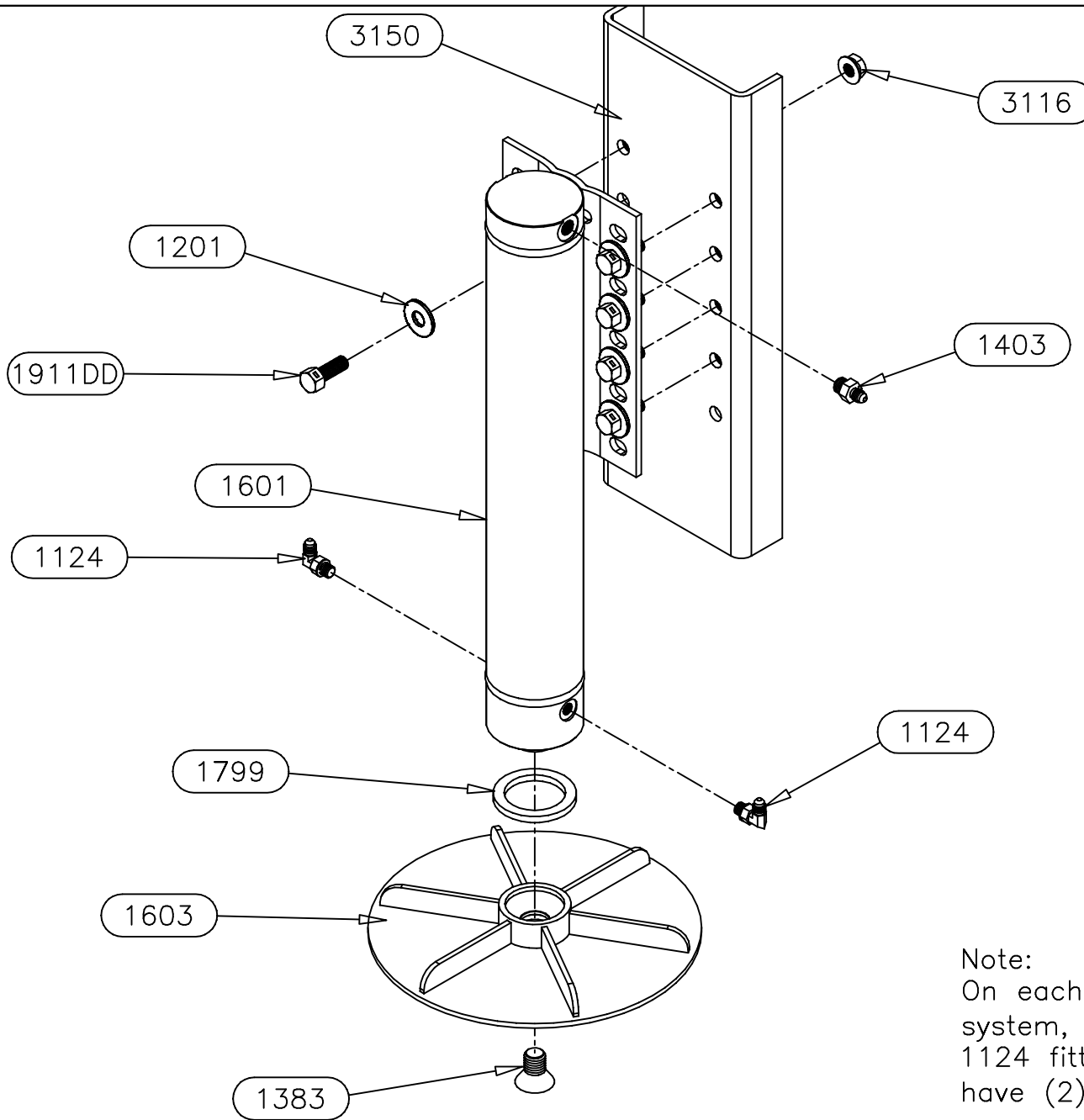
55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

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UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE		USED ON:	
MH 16 SL LEG ASSEMBLY		NEWMAR	
SIZE	SCALE	MATERIAL	
A	1: 1	AS NOTED	
DRW BY:	DATE:	PART NAME:	
SJ	2/8/13	MH 16 SL LEG-2" BRACKET	
APP'D BY	DATE:	PAGE:	DWG NO.:
-	-	3 OF 3	P7852/7836
			REV:
			-



Note:
 On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

Equalizer

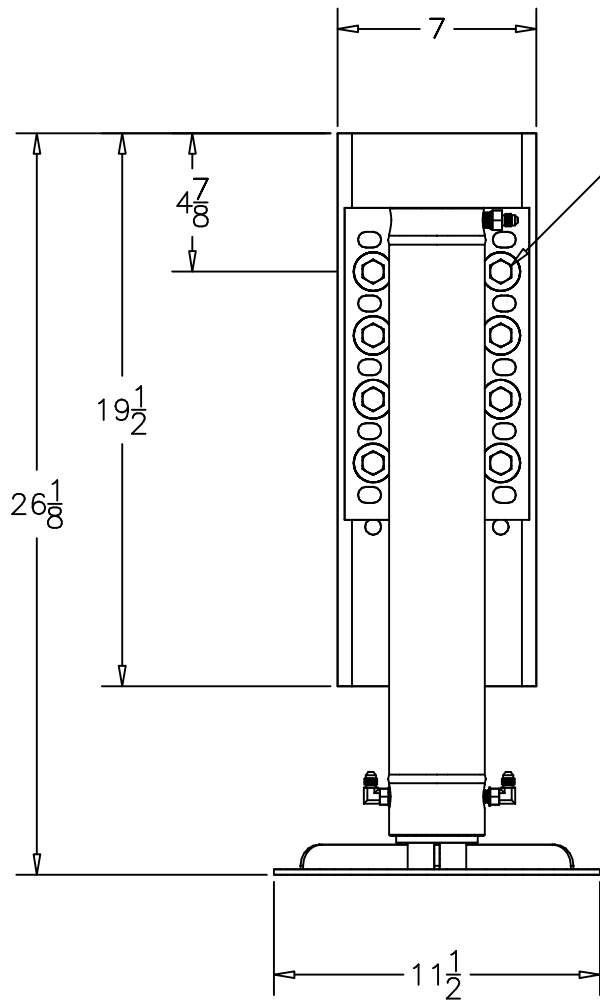
55169 COUNTY ROAD 3
 ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

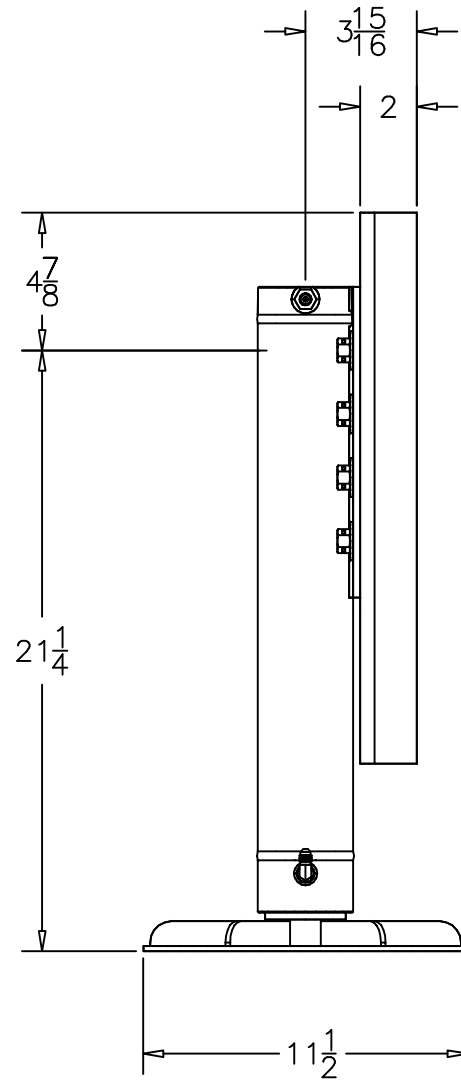
UNLESS OTHERWISE SPECIFIED:
 TOLERANCES:
 .XXX ± 0.010
 .XX ± 0.010
 .X ± 0.030
 ANG. ± 1/2"
 REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE			USED ON:	
SL 18 S LEG ASSEMBLY			NEWMAR DIESEL	
SIZE	SCALE	MATERIAL	NOTED	
A	1:1	AS	NOTED	
DRW BY:	DATE:	PART NAME:		
SJ	2/25/14	SL 18 S-NEWMAR DIESEL		
APP'D BY	DATE:	PAGE:	DWG NO.:	REV:
-	-	2 OF 3	P7965	-

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Top bolt is in top hole of bracket and second slot in jack



Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX


TITLE SL 18 S LEG ASSEMBLY		USED ON: NEWMAR DIESEL	
SIZE A	SCALE 1:1	MATERIAL AS NOTED	
DRW BY: SJ	DATE: 2/25/14	PART NAME: SL 18 S-NEWMAR DIESEL	
APP'D BY -	DATE: -	PAGE: 3 OF 3	DWG NO.: P7965
			REV: -

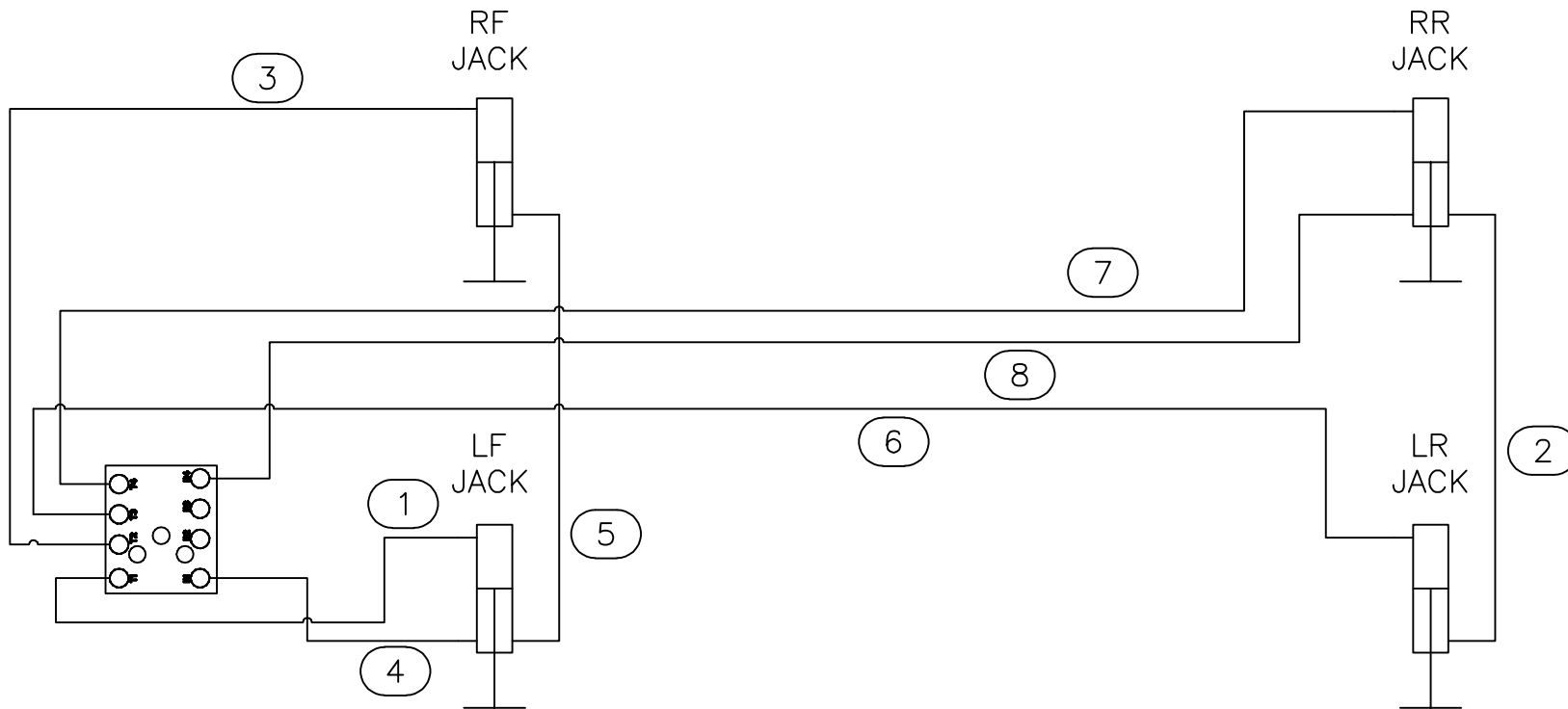
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7762 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2461	HOSE-6'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
2	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2463	HOSE-8'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
4	2463	HOSE-8'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
5	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
6	2482	HOSE-32'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2527	HOSE-30'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2482	HOSE-32'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

 55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE	USED ON:		
	A	Updated hose lengths after initial install	SJ	5/24/11		NEWMAR HOSE CHART	18K & 20.5K CHASSIS		
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					A	1:1	AS		
						DRW BY:	DATE:	PART NAME:	
					SJ	5/2/11	HOSE KIT-NEWMAR 8582		
					APP'D BY	DATE:	PAGE:	DWG NO.:	REV:
					-	-	1 OF 2	P7762	B



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Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

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#	REVISIONS	BY:	DATE:
A	Updated hose lengths after initial install	SJ	5/24/11
B	ORANGE SOLID HOSE CHANGED FROM 30' TO 32'	SJ	11/30/16


UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

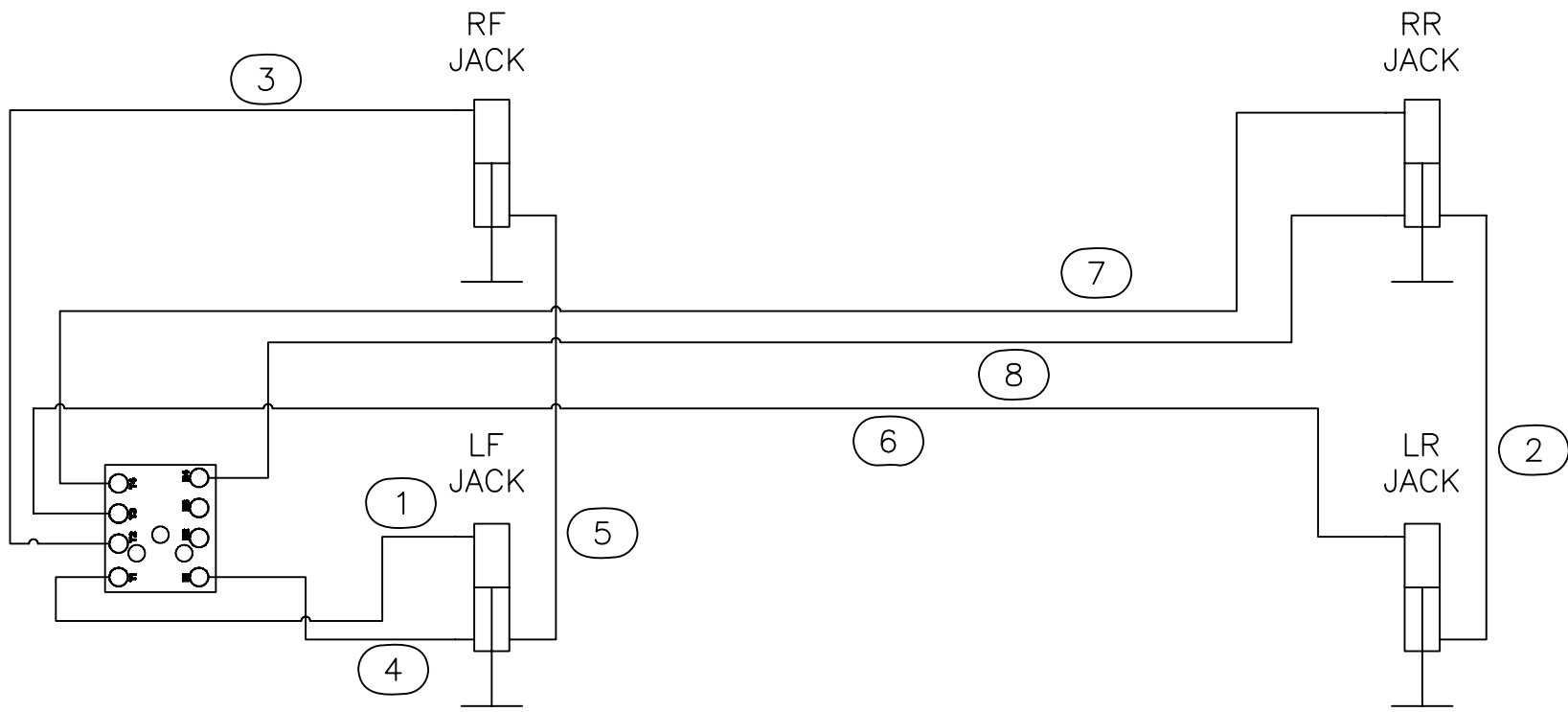
TITLE			USED ON:	
NEWMAR HOSE CHART			18K & 20.5K CHASSIS	
SIZE	SCALE	MATERIAL	NOTED	
A	1:1	AS		
DRW BY:	DATE:	PART NAME:	HOSE KIT-NEWMAR 8582	
SJ	5/2/11			
APP'D BY	DATE:	PAGE:	DWG NO.:	REV:
-	-	2 OF 2	P7762	B

7762 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2461	HOSE-6'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
2	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2463	HOSE-8'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
4	2463	HOSE-8'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
5	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
6	2486	HOSE-36'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2486	HOSE-36'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2488	HOSE-38'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

 55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE NEWMAR HOSE CHART	USED ON: CANYON STAR	
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						APP'D BY: DATE: - -	PAGE: DWG NO.: 1 OF 2 P7791	REV: -



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Equalizer 55169 COUNTY ROAD 3
ELKHART, IN 46515

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#	REVISIONS	BY:	DATE:

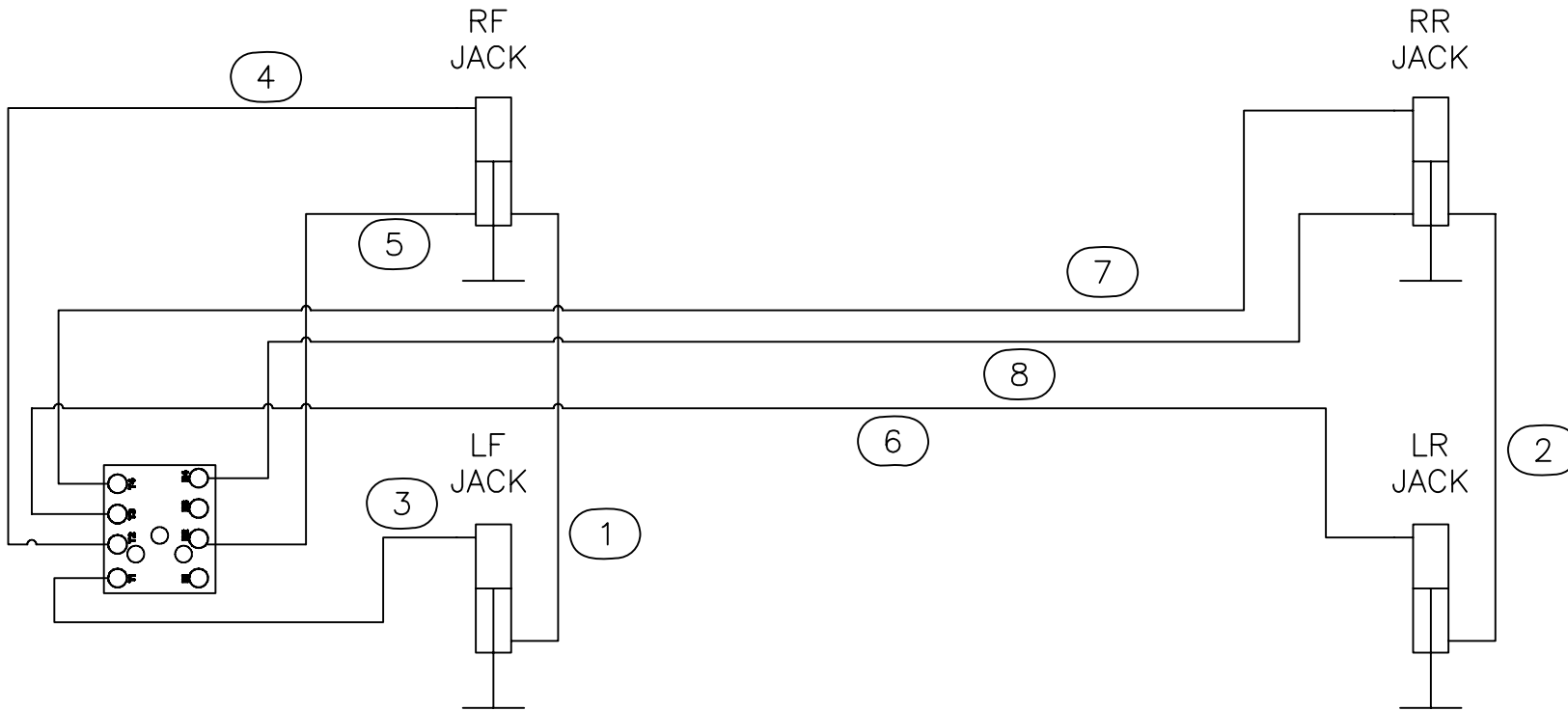
UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2"		TITLE NEWMAR HOSE CHART		USED ON: CANYON STAR	
REMOVE ALL BURRS AND SHARP EDGES .015 MAX		SIZE A	SCALE 1:1	MATERIAL AS NOTED	
DRW BY: SJ	DATE: 3/28/12	PART NAME: HOSE KIT-NEWMAR 8612		PAGE: 1 OF 2	DWG NO.: P7791
APP'D BY: -	DATE: -	REV:		-	

7838 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
2	2465	HOSE-10'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2467	HOSE-12'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2467	HOSE-12'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
5	2469	HOSE-14'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK
6	2484	HOSE-34'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2484	HOSE-34'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2486	HOSE-36'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

 55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE NEWMAR HOSE CHART	USED ON: VENTANA LE 252 & 228 WB
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Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX


TITLE NEWMAR HOSE CHART		USED ON: VENTANA LE 252 & 228 WB	
SIZE A	SCALE 1:1	MATERIAL AS NOTED	
DRW BY: SJ	DATE: 2/5/13	PART NAME: HOSE KIT-NEWMAR 8643	
APP'D BY -	DATE: -	PAGE: 1 OF 2	DWG NO.: P7838
			REV: -

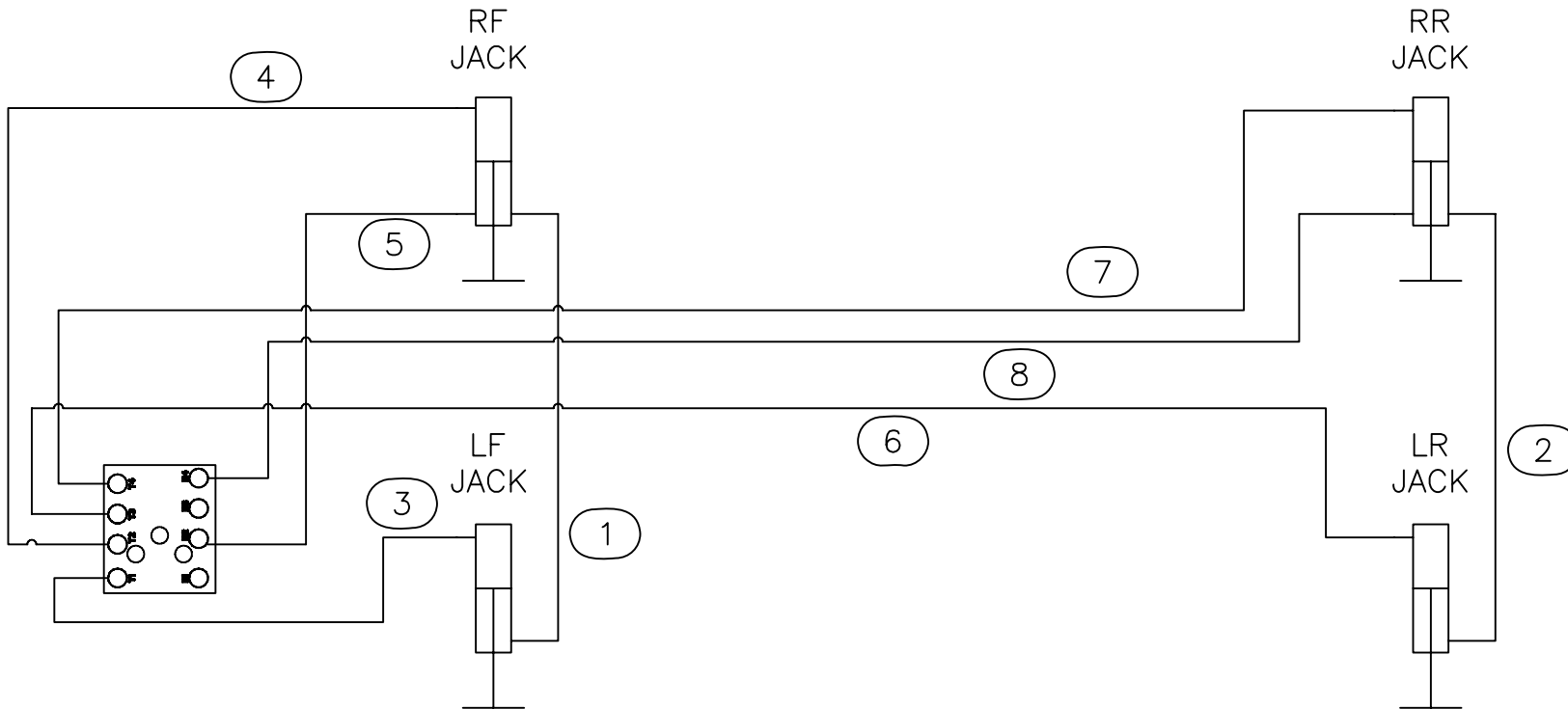
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7839 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
2	2465	HOSE-10'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2467	HOSE-12'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2467	HOSE-12'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
5	2469	HOSE-14'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK
6	2527	HOSE-30'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2527	HOSE-30'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2482	HOSE-32'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

 55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE		USED ON:		
						NEWMAR HOSE CHART		VENTANA LE 206 WB		
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						A	1:1	AS		
						DRW BY:	DATE:	PART NAME:		
						SJ	2/5/13	HOSE KIT-NEWMAR 8642		
						APP'D BY	DATE:	PAGE:	DWG NO.:	REV:
						-	-	1 OF 2	P7839	-



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Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

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TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE NEWMAR HOSE CHART		USED ON: VENTANA LE 206 WB	
SIZE A	SCALE 1:1	MATERIAL AS NOTED	
DRW BY: SJ	DATE: 2/5/13	PART NAME: HOSE KIT-NEWMAR 8642	
APP'D BY -	DATE: -	PAGE: 1 OF 2	DWG NO.: P7839
			REV: -

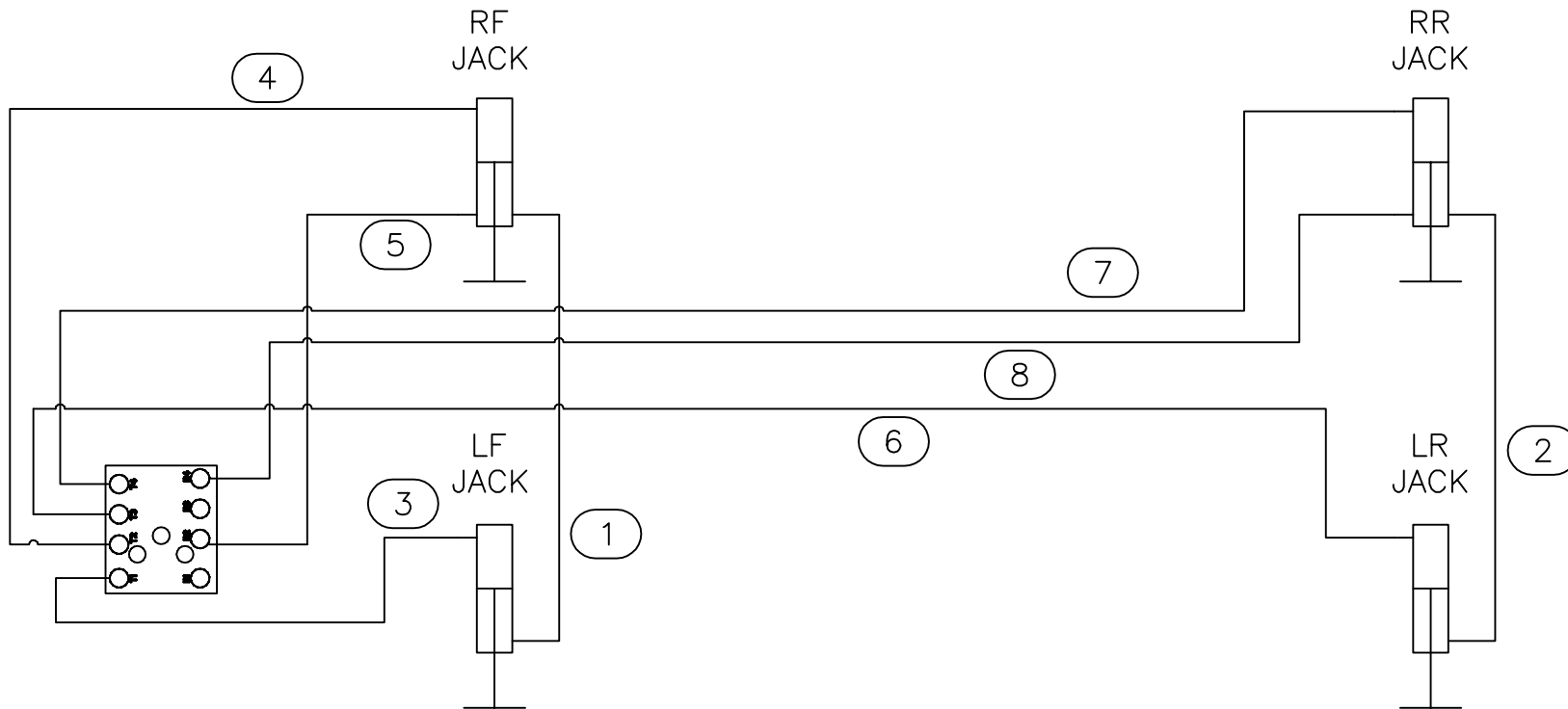
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7964 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
2	2465	HOSE-10'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2467	HOSE-12'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2467	HOSE-12'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
5	2469	HOSE-14'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK
6	2486	HOSE-36'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2486	HOSE-36'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2488	HOSE-38'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

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<p><i>Equalizer</i> 55169 COUNTY ROAD 3 ELKHART, IN 46515</p> <p>NOTICE - This drawing, including principles of design, is the property of Days Corporation, Elkhart, Indiana, with the agreement that it is not to be reproduced, copied, or loaned in any manner that may constitute a detriment directly or indirectly to Days Corporation. Acceptance of this will be construed as an agreement of the above.</p>	#	REVISIONS	BY:	DATE:	<p>UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2"</p> <p>REMOVE ALL BURRS AND SHARP EDGES .015 MAX</p>	TITLE	USED ON:	<p>NEWMAR HOSE CHART VENTANA LE 276 WB</p> <p>SIZE SCALE MATERIAL A 1:1 AS NOTED</p> <p>DRW BY: DATE: PART NAME: SJ 1/20/16 HOSE KIT-NEWMAR 8749</p> <p>APP'D BY: DATE: PAGE: DWG NO.: REV: - - 1 OF 2 P7964 -</p>		



Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:

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TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE		USED ON:	
NEWMAR HOSE CHART		VENTANA LE 276 WB	
SIZE	SCALE	MATERIAL	
A	1:1	AS NOTED	
DRW BY:	DATE:	PART NAME:	
SJ	1/20/16	HOSE KIT-NEWMAR 8749	
APP'D BY	DATE:	PAGE:	DWG NO.:
-	-	1 OF 2	P7964
			REV:
			-

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MAIN HARNESS #6918

INPUT. PARK BRAKE GND WHEN BRAKE ON
INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

GAGE	COLOR
18	BLK/YELLOW-BUTT SPLICE
18	PINK-BUTT SPLICE

KEY PAD #3103

INPUT. 12V
INPUT. GROUND
OUTPUT. DATA
OUTPUT. DATA

PIN	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	BROWN/WHITE
4	18	GRN/WHITE

AUTO LEVEL CONTROLLER #3055

INPUT. DATA
INPUT. DATA
OUTPUT. POWER TO KEY PAD
OUTPUT. GND TO KEY PAD
INPUT. 12V+ WHEN IGN ON
INPUT. PARK BRAKE GND. SEE NOTES

PIN	GAGE	COLOR
1	18	BROWN/WHITE
2	18	GREEN/WHITE
3	18	RED
4	18	BLACK
5	18	PINK
6	18	BLACK/YELLOW
7		
8		
9		

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP RETRACT
OUTPUT 12V+ TO PUMP EXTEND
OUTPUT 12V+ TO PUMP PRESSURE SW

PIN	GAGE	COLOR
1	12	RED
2	12	BLACK
3	18	BROWN
4	18	WHITE
5	18	YELLOW
6	18	ORANGE
7	18	GREEN
8	18	BLUE
9	18	YELLOW/BLACK

BI-ROTATIONAL PUMP #7770

HARNESS 6910

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	18	BLUE
4	18	YELLOW
5	18	BROWN
6	18	GREEN
7		
8		
9	18	YELLOW/BLACK

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	16	DARK BLUE
4	18	YELLOW
5	18	BROWN
6	16	DARK GREEN
7		
8		
9	18	YELLOW/BLACK

INPUT. 12V+ TO LEFT REAR VALVE COIL
INPUT. 12V+ TO RIGHT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR EXTEND SOLENOID
INPUT. 12V+ TO RIGHT REAR VALVE COIL
INPUT. 12V+ TO LEFT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR RETRACT SOLENOID

PRESSURE SW 12V+ OUTPUT

HARNESS 6572C

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

GROUND FROM CHASSIS
12V+ YELLOW (20A FUSE)

EQUALIZER SYSTEMS
MAIN 12V POWER
INPUT. FROM PUMP
MOTOR SOLENOID
AND CHASSIS
BATTERIES.

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

NOTES:

THE 12V POWER SOURCE MUST NOT DROP BELOW 10.5 VOLTS MEASURED AT THE YELLOW FUSE WIRE ON THE PUMP OR THE PUMP VALVE COIL BEING ENERGIZED WITH THE METER GROUND ON THE PUMP CASE GROUND.

THE PARK BRAKE INPUT TO THE LEVEL CONTROLLER ARE GROUND INPUTS. IT IS PULLED HIGH TO 12V INTERNALLY THROUGH A RESISTOR. IT IS LOOKING FOR AN ACTIVE LOW INPUT SIGNAL. WHEN THE PARK BRAKE IS ON, IT'S SENDING A GROUND TO THE PARK BRAKE INPUT OF THE LEVEL CONTROLLER.

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#

REVISIONS

BY:

DATE:

UNLESS OTHERWISE

SPECIFIED:

TOLERANCES:

.XXX ± 0.010

.XX ± 0.010

.X ± 0.030

ANG. ± 1/2"

REMOVE ALL BURRS AND
SHARP EDGES .015 MAX

TITLE

AUTO LEVEL SCHEMATIC

USED ON:

NEWMAR-BAY STAR & CANYON STAR

SIZE

SCALE

MATERIAL

A

1: 1

DRW BY:

DATE:

SJ

2/6/13

PART NAME:

AUTO LEVEL WIRING SCHEMATIC

APP'D BY

DATE:

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PAGE:

DWG NO.:

1 OF 1

P8582A-8612

REV:

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MAIN HARNESS #6918

INPUT. PARK BRAKE GND WHEN BRAKE ON
INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

GAGE	COLOR
18	BLK/YELLOW-BUTT SPLICE
18	PINK-BUTT SPLICE

KEY PAD #3103

INPUT. 12V
INPUT. GROUND
OUTPUT. DATA
OUTPUT. DATA

PIN	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	BROWN/WHITE
4	18	GRN/WHITE

AUTO LEVEL CONTROLLER #3149

INPUT. DATA
INPUT. DATA
OUTPUT. POWER TO KEY PAD
OUTPUT. GND TO KEY PAD
INPUT. 12V+ WHEN IGN ON
INPUT. PARK BRAKE GND. SEE NOTES

PIN	GAGE	COLOR
1	18	BROWN/WHITE
2	18	GREEN/WHITE
3	18	RED
4	18	BLACK
5	18	PINK
6	18	BLACK/YELLOW
7		
8		
9		

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP RETRACT
OUTPUT 12V+ TO PUMP EXTEND
OUTPUT 12V+ TO PUMP PRESSURE SW

PIN	GAGE	COLOR
1	12	RED
2	12	BLACK
3	18	BROWN
4	18	WHITE
5	18	YELLOW
6	18	ORANGE
7	18	GREEN
8	18	BLUE
9	18	YELLOW/BLACK

BI-ROTATIONAL PUMP #7770

HARNESS 6910

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	18	BLUE
4	18	YELLOW
5	18	BROWN
6	18	GREEN
7		
8		
9	18	YELLOW/BLACK

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	16	DARK BLUE
4	18	YELLOW
5	18	BROWN
6	16	DARK GREEN
7		
8		
9	18	YELLOW/BLACK

INPUT. 12V+ TO LEFT REAR VALVE COIL
INPUT. 12V+ TO RIGHT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR EXTEND SOLENOID
INPUT. 12V+ TO RIGHT REAR VALVE COIL
INPUT. 12V+ TO LEFT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR RETRACT SOLENOID

PRESSURE SW 12V+ OUTPUT

HARNESS 6572C

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

GROUND FROM CHASSIS
12V+ YELLOW (20A FUSE)

EQUALIZER SYSTEMS
MAIN 12V POWER
INPUT. FROM PUMP
MOTOR SOLENOID
AND CHASSIS
BATTERIES.

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

NOTES:

THE 12V POWER SOURCE MUST NOT DROP BELOW 10.5 VOLTS MEASURED AT THE YELLOW FUSE WIRE ON THE PUMP OR THE PUMP VALVE COIL BEING ENERGIZED WITH THE METER GROUND ON THE PUMP CASE GROUND.

THE PARK BRAKE INPUT TO THE LEVEL CONTROLLER ARE GROUND INPUTS. IT IS PULLED HIGH TO 12V INTERNALLY THROUGH A RESISTOR. IT IS LOOKING FOR AN ACTIVE LOW INPUT SIGNAL. WHEN THE PARK BRAKE IS ON, IT'S SENDING A GROUND TO THE PARK BRAKE INPUT OF THE LEVEL CONTROLLER.

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#

REVISIONS

BY:

DATE:

UNLESS OTHERWISE

SPECIFIED:

TOLERANCES:

.XXX ± 0.010

.X ± 0.010

.X ± 0.030

ANG. ± 1/2"

REMOVE ALL BURRS AND
SHARP EDGES .015 MAX

TITLE

AUTO LEVEL SCHEMATIC

USED ON:

NEWMAR-BAY STAR & CANYON STAR

SIZE

SCALE

MATERIAL

A 1: 1

DRW BY:

DATE:

SJ

2/6/13

PART NAME:

AUTO LEVEL WIRING SCHEMATIC

APP'D BY

DATE:

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PAGE:

DWG NO.:

1 OF 1

P8582C-8612B

REV:

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MAIN HARNESS #6918

INPUT. PARK BRAKE GND WHEN BRAKE ON
INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

GAGE	COLOR
18	BLK/YELLOW-BUTT SPLICE
18	PINK-BUTT SPLICE

KEY PAD #3103

INPUT. 12V
INPUT. GROUND
OUTPUT. DATA
OUTPUT. DATA

PIN	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	BROWN/WHITE
4	18	GRN/WHITE

AUTO LEVEL CONTROLLER #3149A

INPUT. DATA
INPUT. DATA
OUTPUT. POWER TO KEY PAD
OUTPUT. GND TO KEY PAD
INPUT. 12V+ WHEN IGN ON
INPUT. PARK BRAKE GND. SEE NOTES

PIN	GAGE	COLOR
1	18	BROWN/WHITE
2	18	GREEN/WHITE
3	18	RED
4	18	BLACK
5	18	PINK
6	18	BLACK/YELLOW
7		
8		
9		

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP RETRACT
OUTPUT 12V+ TO PUMP EXTEND
OUTPUT 12V+ TO PUMP PRESSURE SW

PIN	GAGE	COLOR
1	12	RED
2	12	BLACK
3	18	BROWN
4	18	WHITE
5	18	YELLOW
6	18	ORANGE
7	18	GREEN
8	18	BLUE
9	18	YELLOW/BLACK

BI-ROTATIONAL PUMP #7770

HARNESS 6910

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	18	BLUE
4	18	YELLOW
5	18	BROWN
6	18	GREEN
7		
8		
9	18	YELLOW/BLACK

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	16	DARK BLUE
4	18	YELLOW
5	18	BROWN
6	16	DARK GREEN
7		
8		
9	18	YELLOW/BLACK

INPUT. 12V+ TO LEFT REAR VALVE COIL
INPUT. 12V+ TO RIGHT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR EXTEND SOLENOID
INPUT. 12V+ TO RIGHT REAR VALVE COIL
INPUT. 12V+ TO LEFT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR RETRACT SOLENOID

PRESSURE SW 12V+ OUTPUT

HARNESS 6572C

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

GROUND FROM CHASSIS
12V+ YELLOW (20A FUSE)

EQUALIZER SYSTEMS
MAIN 12V POWER
INPUT. FROM PUMP
MOTOR SOLENOID
AND CHASSIS
BATTERIES.

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

NOTES:

THE 12V POWER SOURCE MUST NOT DROP BELOW 10.5 VOLTS MEASURED AT THE YELLOW FUSE WIRE ON THE PUMP OR THE PUMP VALVE COIL BEING ENERGIZED WITH THE METER GROUND ON THE PUMP CASE GROUND.

THE PARK BRAKE INPUT TO THE LEVEL CONTROLLER ARE GROUND INPUTS. IT IS PULLED HIGH TO 12V INTERNALLY THROUGH A RESISTOR. IT IS LOOKING FOR AN ACTIVE LOW INPUT SIGNAL. WHEN THE PARK BRAKE IS ON, IT'S SENDING A GROUND TO THE PARK BRAKE INPUT OF THE LEVEL CONTROLLER.

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#

REVISIONS

BY:

DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.X ± 0.010
.X ± 0.030
ANG. ± 1/2"

TITLE
AUTO LEVEL SCHEMATIC

USED ON:
NEWMAR-BAY STAR & CANYON STAR

SIZE SCALE MATERIAL
A 1: 1

DRW BY: DATE:
SJ 7/26/16

PART NAME:
AUTO LEVEL WIRING SCHEMATIC

APP'D BY: DATE:
- -

PAGE: DWG NO.: REV:
1 OF 1 P8582D-8612C -

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MAIN HARNESS #6940

GRAY = 12V+ FOR TWO MINUTES TO DEFLATE AIR SUSPENSION INITIATED BY THE AUTO LEVEL COMMAND.
PURPLE = 12V+ TO INFLATE AIR SUSPENSION INITIATED BY ALL RETRACT COMMAND.

PIN	GAGE	COLOR
1	18	GREY
2	18	PURPLE
3	18	BLACK
4		

PIN	GAGE	COLOR
1		
2	18	BLK/YELLOW
3	18	PINK

INPUT. PARK BRAKE GND WHEN BRAKE ON
INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

KEY PAD #3103

INPUT. 12V
INPUT. GROUND
OUTPUT. DATA
OUTPUT. DATA

PIN	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	BROWN/WHITE
4	18	GRN/WHITE

AUTO LEVEL CONTROLLER #3149

INPUT. DATA
INPUT. DATA
OUTPUT. POWER TO KEY PAD
OUTPUT. GND TO KEY PAD
INPUT. 12V+ WHEN IGN ON
INPUT. PARK BRAKE GND. SEE NOTES
OUTPUT 12V+ (SUSPENSION INFLATE)
OUTPUT 12V+ (SUSPENSION DEFLATE)

PIN	GAGE	COLOR
1	18	BROWN/WHITE
2	18	GREEN/WHITE
3	18	RED
4	18	BLACK
5	18	PINK
6	18	BLACK/YELLOW
7	18	PURPLE
8	18	GREY
9		

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP RETRACT
OUTPUT 12V+ TO PUMP EXTEND
OUTPUT 12V+ TO PUMP PRESSURE SW

PIN	GAGE	COLOR
1	12	RED
2	12	BLACK
3	18	BROWN
4	18	WHITE
5	18	YELLOW
6	18	ORANGE
7	18	GREEN
8	18	BLUE
9	18	YELLOW/BLACK

BI-ROTATIONAL PUMP #7837

HARNESS 6791BR

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	18	BLUE
4	18	YELLOW
5	18	BROWN
6	18	GREEN
7		
8		
9	18	YELLOW/BLACK

PIN	GAGE	COLOR
1	18	ORANGE
2	14	WHITE
3	18	DARK BLUE
4	18	YELLOW
5	18	BROWN
6	18	DARK GREEN
7		
8		
9	18	YELLOW/BLACK

INPUT. 12V+ TO LEFT REAR VALVE COIL
INPUT. 12V+ TO RIGHT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR EXTEND SOLENOID
INPUT. 12V+ TO RIGHT REAR VALVE COIL
INPUT. 12V+ TO LEFT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR RETRACT SOLENOID

PRESSURE SW 12V+ OUTPUT

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

HARNESS 6572

GROUND FROM CHASSIS
12V+ YELLOW (20A FUSE)

EQUALIZER SYSTEMS
MAIN 12V POWER
INPUT. FROM PUMP
MOTOR SOLENOID
AND CHASSIS
BATTERIES.

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

NOTES:

THE 12V POWER SOURCE MUST NOT DROP BELOW 10.5 VOLTS MEASURED AT THE YELLOW FUSE WIRE ON THE PUMP OR THE PUMP VALVE COIL BEING ENERGIZED WITH THE METER GROUND ON THE PUMP CASE GROUND.

THE PARK BRAKE INPUT TO THE LEVEL CONTROLLER ARE GROUND INPUTS. IT IS PULLED HIGH TO 12V INTERNALLY THROUGH A RESISTOR. IT IS LOOKING FOR AN ACTIVE LOW INPUT SIGNAL. WHEN THE PARK BRAKE IS ON, IT'S SENDING A GROUND TO THE PARK BRAKE INPUT OF THE LEVEL CONTROLLER.

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#

REVISIONS

BY:

DATE:

UNLESS OTHERWISE

SPECIFIED:

TOLERANCES:

.XXX ± 0.010

.XX ± 0.010

.X ± 0.030

ANG. ± 1/2"

REMOVE ALL BURRS AND
SHARP EDGES .015 MAX

TITLE

AUTO LEVEL SCHEMATIC

USED ON:

NEWMAR-VENTANA LE

SIZE

SCALE

MATERIAL

A

1: 1

DRW BY:

DATE:

SJ

2/6/13

PART NAME:

AUTO LEVEL WIRING SCHEMATIC

APP'D BY

DATE:

—

—

PAGE:

DWG NO.:

1 OF 1

P8282-8311-8642-8643-8749

REV:

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MAIN HARNESS #6940

GRAY = 12V+ FOR TWO MINUTES TO DEFLATE AIR SUSPENSION INITIATED BY THE AUTO LEVEL COMMAND.
PURPLE = 12V+ TO INFLATE AIR SUSPENSION INITIATED BY ALL RETRACT COMMAND.

PIN	GAGE	COLOR
1	18	GREY
2	18	PURPLE
3	18	BLACK
4		

INPUT. PARK BRAKE GND WHEN BRAKE ON
INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

PIN	GAGE	COLOR
1		
2	18	BLK/YELLOW
3	18	PINK

KEY PAD #3103

INPUT. 12V
INPUT. GROUND
OUTPUT. DATA
OUTPUT. DATA

PIN	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	BROWN/WHITE
4	18	GRN/WHITE

AUTO LEVEL CONTROLLER #3149A

INPUT. DATA
INPUT. DATA
OUTPUT. POWER TO KEY PAD
OUTPUT. GND TO KEY PAD
INPUT. 12V+ WHEN IGN ON
INPUT. PARK BRAKE GND. SEE NOTES
OUTPUT 12V+ (SUSPENSION INFLATE)
OUTPUT 12V+ (SUSPENSION DEFLATE)

PIN	GAGE	COLOR
1	18	BROWN/WHITE
2	18	GREEN/WHITE
3	18	RED
4	18	BLACK
5	18	PINK
6	18	BLACK/YELLOW
7	18	PURPLE
8	18	GREY
9		

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP RETRACT
OUTPUT 12V+ TO PUMP EXTEND
OUTPUT 12V+ TO PUMP PRESSURE SW

PIN	GAGE	COLOR
1	12	RED
2	12	BLACK
3	18	BROWN
4	18	WHITE
5	18	YELLOW
6	18	ORANGE
7	18	GREEN
8	18	BLUE
9	18	YELLOW/BLACK

BI-ROTATIONAL PUMP #7837

HARNESS 6791BR

PIN	GAGE	COLOR
1	18	ORANGE
2	18	WHITE
3	18	BLUE
4	18	YELLOW
5	18	BROWN
6	18	GREEN
7		
8		
9	18	YELLOW/BLACK

PIN	GAGE	COLOR
1	18	ORANGE
2	14	WHITE
3	18	DARK BLUE
4	18	YELLOW
5	18	BROWN
6	18	DARK GREEN
7		
8		
9	18	YELLOW/BLACK

INPUT. 12V+ TO LEFT REAR VALVE COIL
INPUT. 12V+ TO RIGHT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR EXTEND SOLENOID
INPUT. 12V+ TO RIGHT REAR VALVE COIL
INPUT. 12V+ TO LEFT FRONT VALVE COIL
INPUT. 12V+ TO MOTOR RETRACT SOLENOID

PRESSURE SW 12V+ OUTPUT

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

PIN	GAGE	COLOR
B	12	BLACK
A	12	RED

HARNESS 6572

GROUND FROM CHASSIS
12V+ YELLOW (20A FUSE)

EQUALIZER SYSTEMS
MAIN 12V POWER
INPUT. FROM PUMP
MOTOR SOLENOID
AND CHASSIS
BATTERIES.

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

NOTES:

THE 12V POWER SOURCE MUST NOT DROP BELOW 10.5 VOLTS MEASURED AT THE YELLOW FUSE WIRE ON THE PUMP OR THE PUMP VALVE COIL BEING ENERGIZED WITH THE METER GROUND ON THE PUMP CASE GROUND.

THE PARK BRAKE INPUT TO THE LEVEL CONTROLLER ARE GROUND INPUTS. IT IS PULLED HIGH TO 12V INTERNALLY THROUGH A RESISTOR. IT IS LOOKING FOR AN ACTIVE LOW INPUT SIGNAL. WHEN THE PARK BRAKE IS ON, IT'S SENDING A GROUND TO THE PARK BRAKE INPUT OF THE LEVEL CONTROLLER.

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#

REVISIONS

BY:

DATE:

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2"

REMOVE ALL BURRS AND SHARP EDGES .015 MAX

TITLE
AUTO LEVEL SCHEMATIC

USED ON:
NEWMAR-VENTANA LE

SIZE SCALE MATERIAL
A 1: 1

DRW BY: DATE:
SJ 7/26/16

PART NAME:
AUTO LEVEL WIRING SCHEMATIC

APP'D BY DATE:
- -

PAGE: DWG NO.: REV:
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Purge Instructions for Newmar Systems

This procedure must be performed with the initial installation & running of the hydraulic system, and following installation of the pump assembly and jacks. This procedure applies only to the MH-4 systems that are equipped with the Bi-rotational pump. All electrical and hose connections must be completed before the purging process. **You Must Follow this Procedure Strictly. Any Deviation from the Process will cause the purging process to become difficult and time consuming.**

- 1) Fill the reservoir with Dexron ATF.
- 2) Attach a hose with coupler to the quick disconnect fitting on the end of the manifold. Place the end of the hose into a clean container. During the initial run of the pump this hose will have air coming out of it with the possibility of a little residual fluid from the retract side of the system.
- 3) Run the pump to extend the jacks. Maintain the fluid level in the reservoir $\frac{1}{4}$ to $\frac{1}{2}$ full. Do not allow the reservoir to run empty. If jack(s) will not fully extend, crack loose the upper hose(s) at the jack(s) and run the pump to extend until air is expelled. **Use Caution-hydraulic fluid will be under high pressure.** Retighten the hoses and complete the extensions of the jacks. Maintain the fluid level as described above.
- 4) Remove the hose and coupler from the quick disconnect fitting attached to the manifold.
- 5) Run the pump to retract the jacks. Maintain the fluid level as above. Do not fill the reservoir to full until after the legs are fully retracted.
- 6) **IMPORTANT**-If fluid in reservoir appears to be aerated (foaming), allow unit to rest until foam dissipates (approx. 5-10 minutes).
- 7) Fully extend and retract jacks a minimum of 3 times. Allow any foam in the reservoir to dissipate before each run. Keep the fluid level above $\frac{1}{4}$ to $\frac{1}{2}$ at all times.
- 8) After final runs, with jacks fully retracted, add fluid up to the fill line.

Additional Notes Regarding Purging

- The reservoir fluid level will be the greatest when all jacks are fully retracted: the fluid level will be lowest when all jacks are fully extended.
- Never allow the reservoir to go empty. Maintain the fluid level at least $\frac{3}{4}$ full when the jacks are retracted.
- Being patient helps. It does no good to run the pump and try to move the jacks when the reservoir is full of foam. Pumping foam will only reintroduce air into the system and will prolong the process unnecessarily.
- We want the air out. Allowing the air to dissipate through the reservoir and maintaining the reservoir fluid level will get things working faster.