



EQ SMART-LEVEL

**DYNAMAX SYSTEM BOOK
2017-2022**

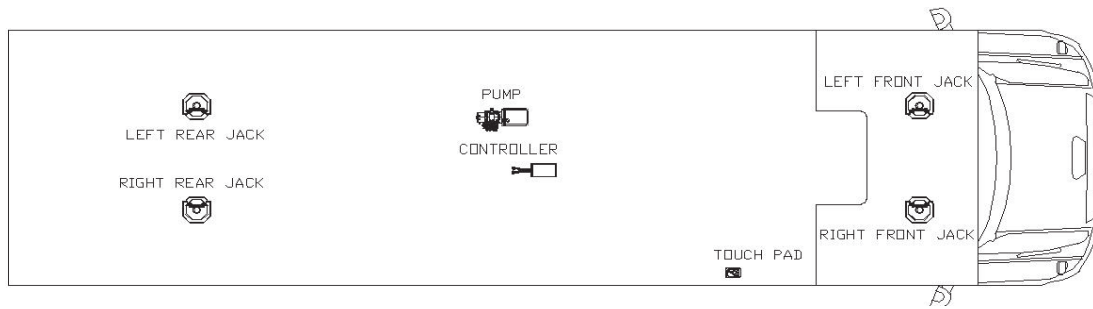
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Dynamax
2017 Isata 3



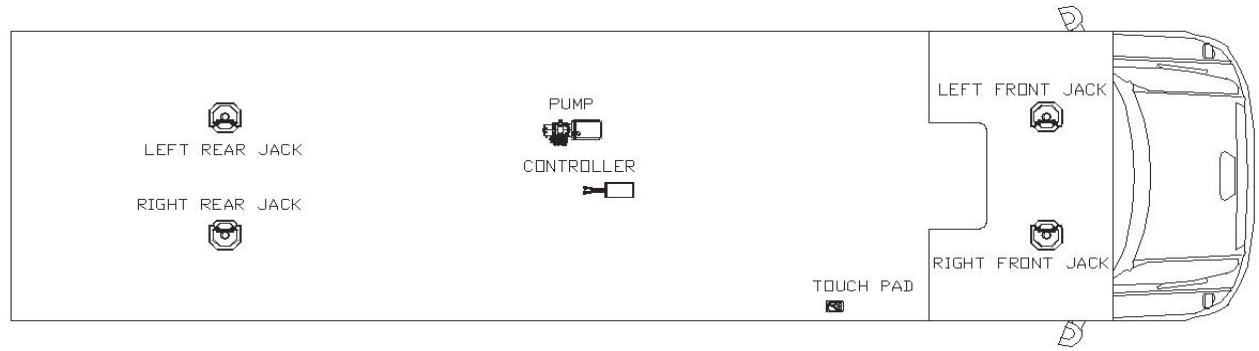
Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8757DYN
Pump	4-Function, Jacks	1		7982DYN
Jack	7,500 lbs, 13" Stroke	4		7842
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6808
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70053
Hose, 6'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2461
Hose, 10'	Pump to Jack, Left Rear Top	1	Orange Solid	2465
Hose, 10'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2465
Hose, 10'	Pump to Jack, Right Rear Top	1	Yellow Solid	2465
Hose, 10'	Pump to Jack, Left Front Top	1	Brown Solid	2465
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2465
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 12'	Pump to Jack, Right Front Bottom	1	White Stripe	2467

Options

Revisions

Dynamax
2017 Isata 4
25FW



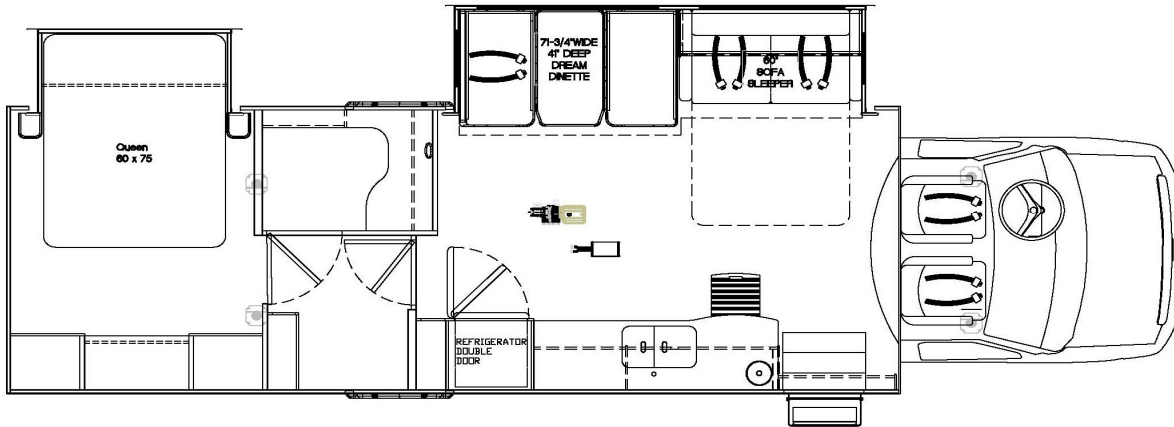
Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772
Pump	4-Function, Jacks	1		7948
Jack	7,500 lbs, 13" Stroke	4		7842A
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

Dynamax
2017 Isata 4
31DS



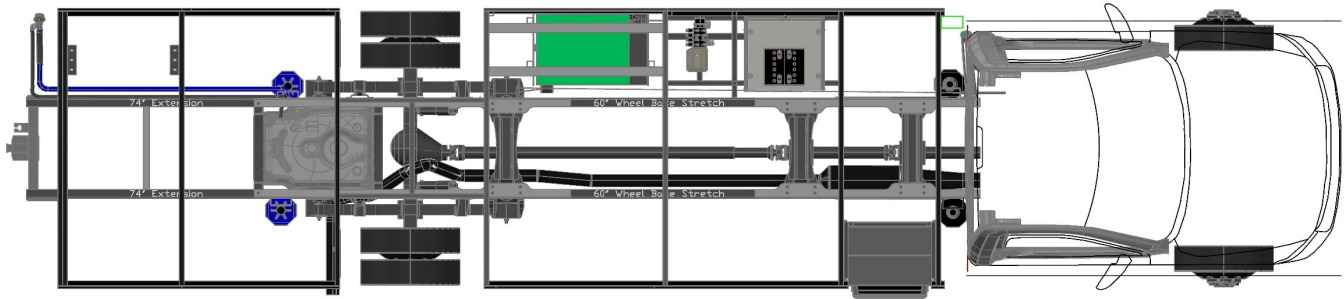
Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772
Pump	4-Function, Jacks	1		7948
Jack	7,500 lbs, 13" Stroke	4		7842A
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

Dynamax
2017 Isata 5
36DS



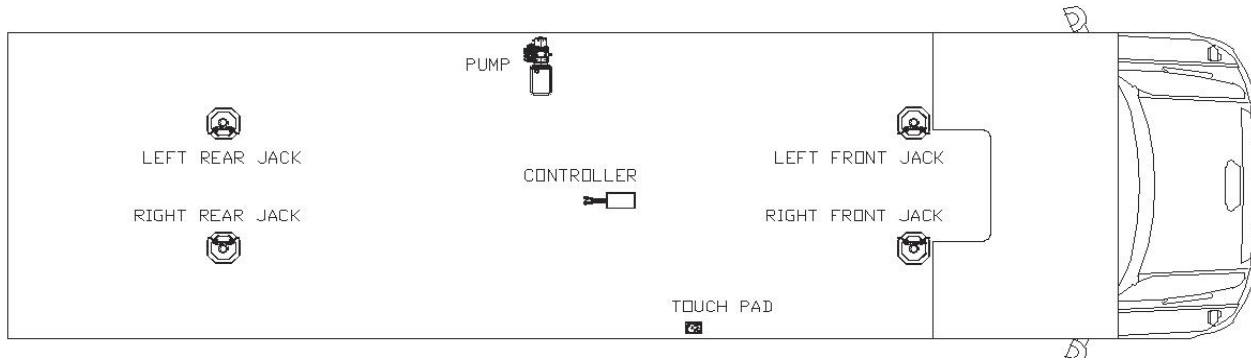
Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8758
Pump	4-Function, Jacks	1		7948
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		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		7963
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2467
Hose, 16'	Pump to Jack, Right Front Top	1	White Solid	2471
Hose, 16'	Pump to Jack, Left Rear Top	1	Orange Solid	2471
Hose, 16'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2471
Hose, 20'	Pump to Jack, Right Rear Top	1	Yellow Solid	2475

Options

Revisions

Dynamax
2017 DX3, Dynaquest XL, Force

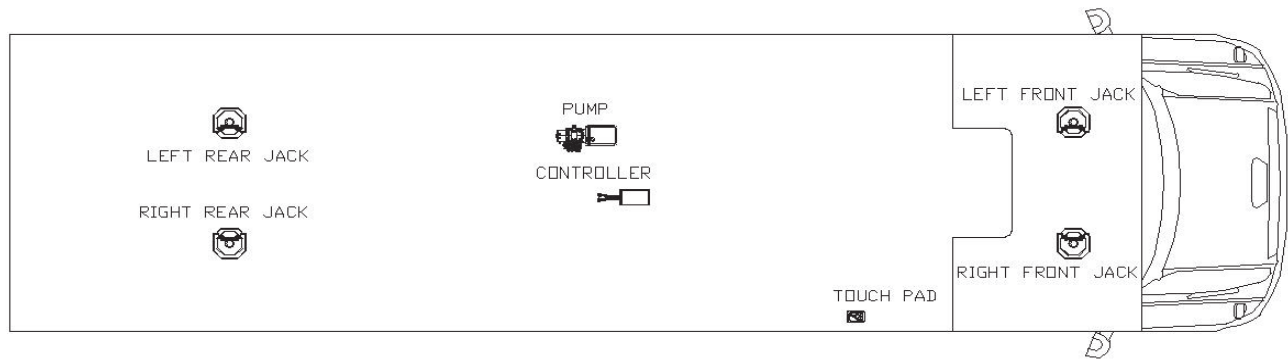


Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085
Pump	4-Function, Jacks	1		70028
Jack	12,000 lbs, 16" Stroke	4		7214
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		2730
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6942
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions



Notes:

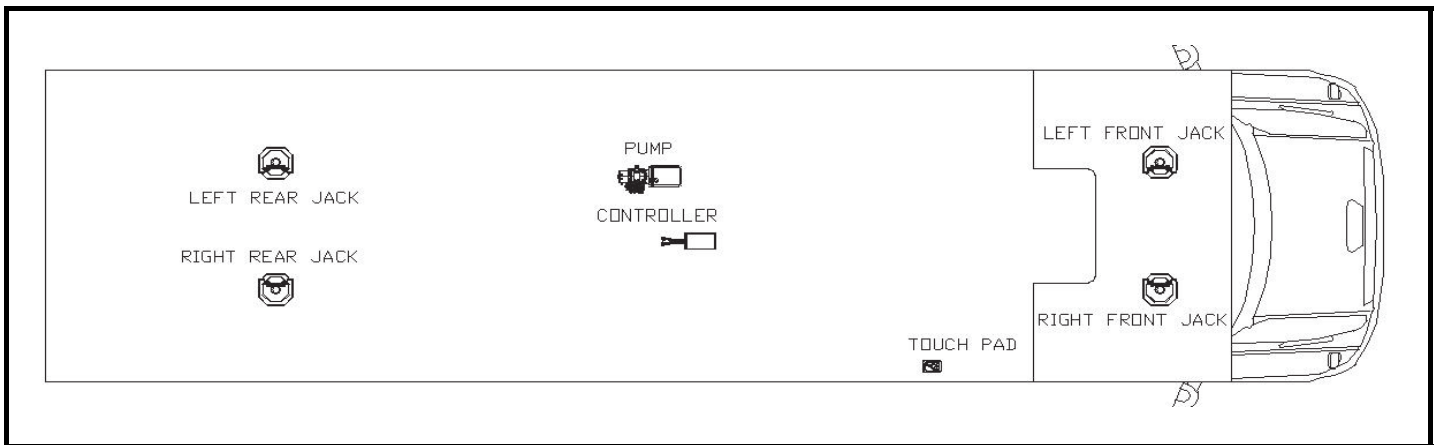
3/1/17 Pump changes from 7982DYN to 7982KSDYN

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8757DYN
Pump	4-Function, Jacks	1		7982KSDYN
Jack	7,500 lbs, 13" Stroke	4		7842
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6808
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70053
Hose, 6'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2461
Hose, 10'	Pump to Jack, Left Rear Top	1	Orange Solid	2465
Hose, 10'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2465
Hose, 10'	Pump to Jack, Right Rear Top	1	Yellow Solid	2465
Hose, 10'	Pump to Jack, Left Front Top	1	Brown Solid	2465
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2465
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 12'	Pump to Jack, Right Front Bottom	1	White Stripe	2467

Options

Revisions

Dynamax
2018 Isata 4
25FW



Notes:

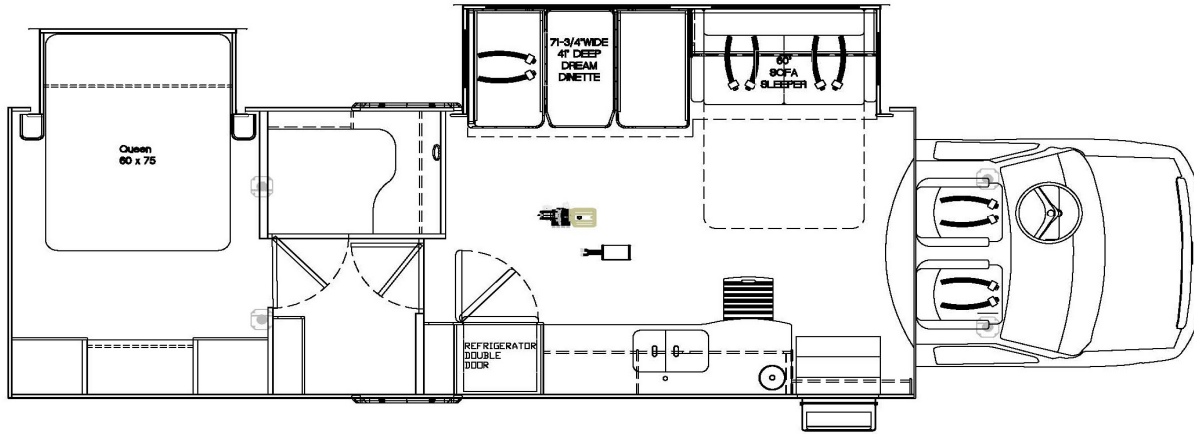
3/1/17 Pump changes from 7948 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772
Pump	4-Function, Jacks	1		7948KS
Jack	7,500 lbs, 13" Stroke	4		7842A
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

Dynamax
2018 Isata 4
31DS



Notes:

3/1/17 Pump changes from 7948 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772
Pump	4-Function, Jacks	1		7948KS
Jack	7,500 lbs, 13" Stroke	4		7842A
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

24 11/16

34 1/8

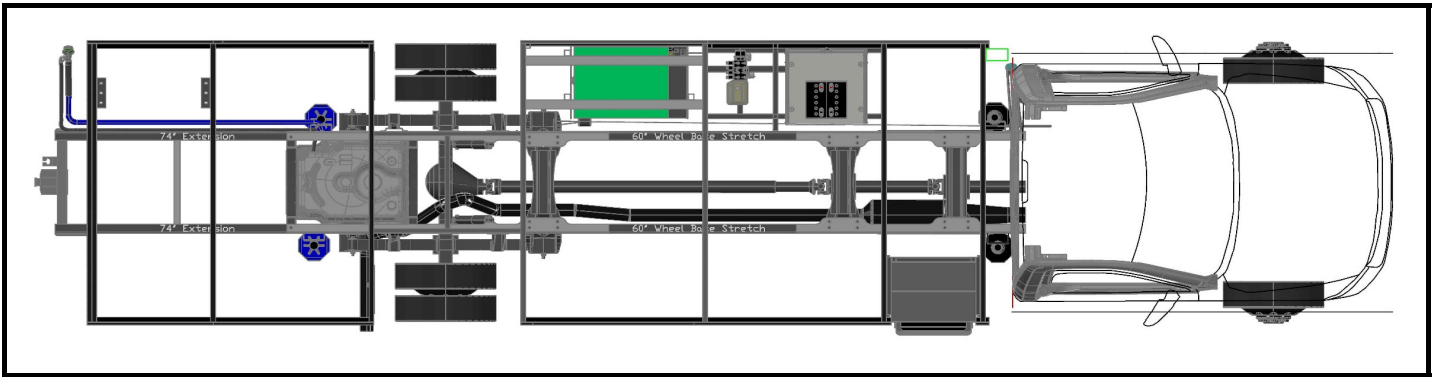
43 3/8

FLOOR PLAN

9/12/17-Front and rear hose lengths were reversed when pump was moved to vertical position starting with unit #2179

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Dynamax
2018 Isata 5 - 35DB
(Through 1/19/18)



Notes:

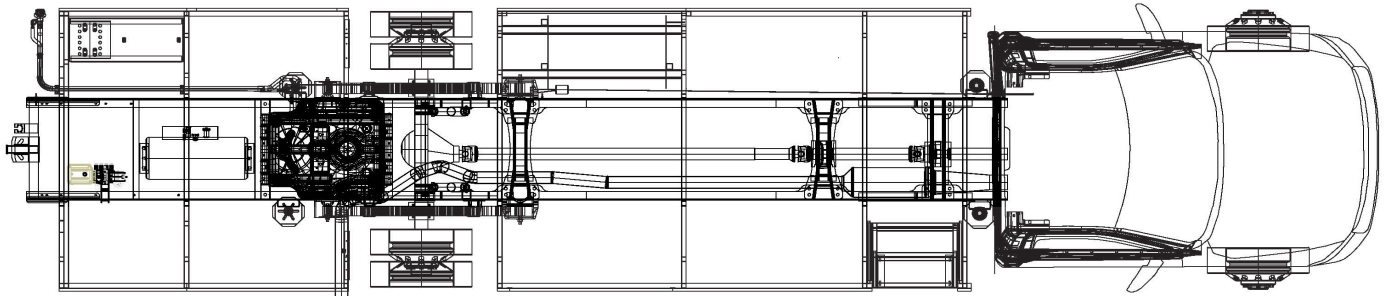
3/1/17 Pump changes from 7948 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8758
Pump	4-Function, Jacks	1		7948KS
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		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		7963
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2467
Hose, 16'	Pump to Jack, Right Front Top	1	White Solid	2471
Hose, 16'	Pump to Jack, Left Rear Top	1	Orange Solid	2471
Hose, 16'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2471
Hose, 20'	Pump to Jack, Right Rear Top	1	Yellow Solid	2475

Options

Revisions

Dynamax
2018 Isata 5 - 35DB
(After 1/19/18)



Notes:

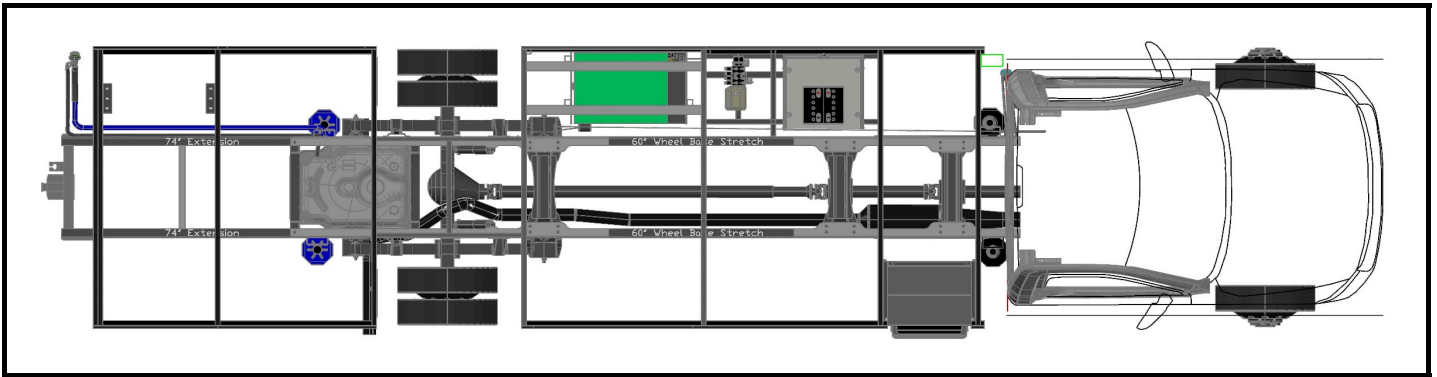
1/19/18-Pump was moved to rear and kit number changed to 8628

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8628
Pump	4-Function, Jacks	1		7960KS
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		3197
Harness	Connects Pump to Controller	1		6799
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70089
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 32'	Pump to Jack, Left Front Top	1	Brown Solid	2482
Hose, 28'	Pump to Jack, Right Front Top	1	White Solid	2535
Hose, 28'	Pump to Jack, Right Front Bottom	1	White Stripe	2535
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 8'	Pump to Jack, Right Rear Top	1	Yellow Solid	2463
Hose, 8'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2463

Options

Revisions

Dynamax
2018 Isata 5 - 36DS
(Through 1/19/18)



Notes:

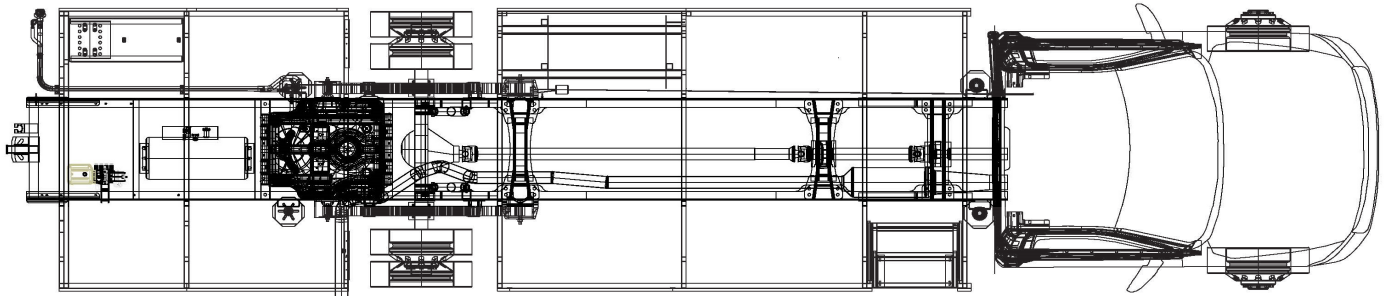
3/1/17 Pump changes from 7948 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8758
Pump	4-Function, Jacks	1		7948KS
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		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		7963
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2467
Hose, 16'	Pump to Jack, Right Front Top	1	White Solid	2471
Hose, 16'	Pump to Jack, Left Rear Top	1	Orange Solid	2471
Hose, 16'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2471
Hose, 20'	Pump to Jack, Right Rear Top	1	Yellow Solid	2475

Options

Revisions

Dynamax
2018 Isata 5 - 36DS
(After 1/19/18)



Notes:

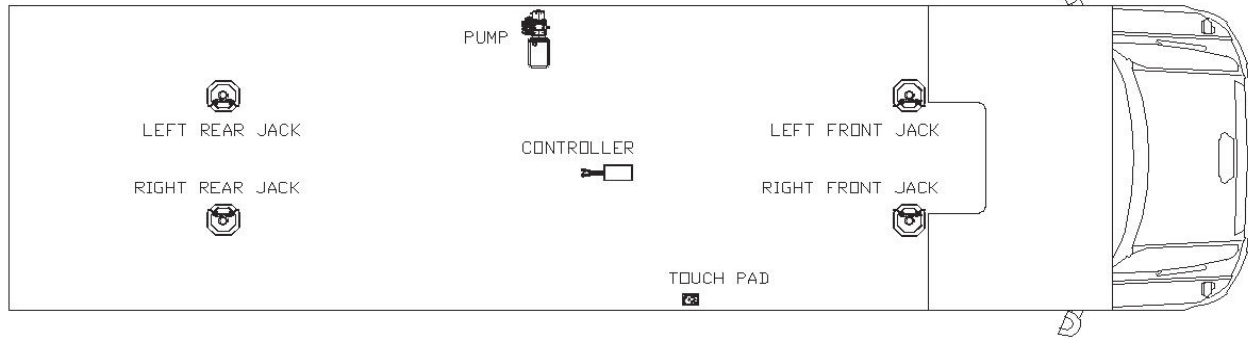
1/19/18-Pump was moved to rear and kit number changed to 8628

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8628
Pump	4-Function, Jacks	1		7960KS
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		3197
Harness	Connects Pump to Controller	1		6799
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70089
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 32'	Pump to Jack, Left Front Top	1	Brown Solid	2482
Hose, 28'	Pump to Jack, Right Front Top	1	White Solid	2535
Hose, 28'	Pump to Jack, Right Front Bottom	1	White Stripe	2535
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 8'	Pump to Jack, Right Rear Top	1	Yellow Solid	2463
Hose, 8'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2463

Options

Revisions

Dynamax
2018 DX3, Dynaquest XL, Force



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

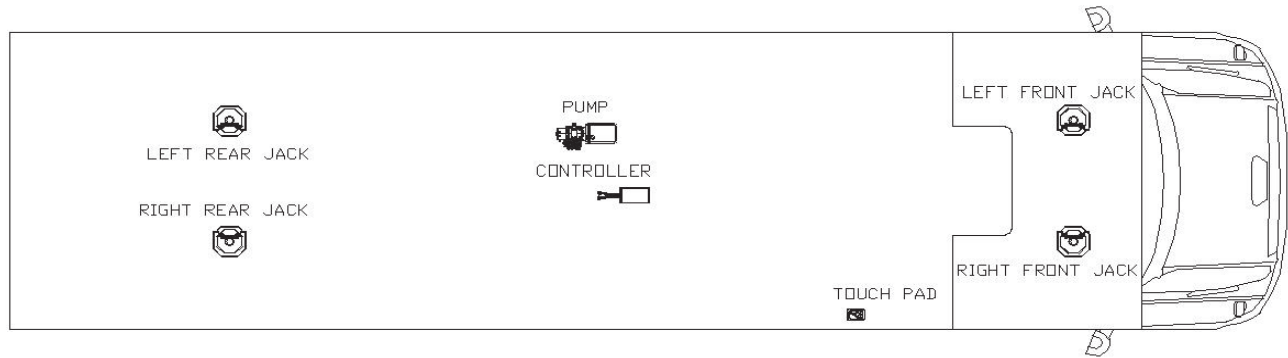
3/1/17 Pump changes from 70028 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		2730
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2019 Isata 3
(Prior to 5/1/18)



Notes:

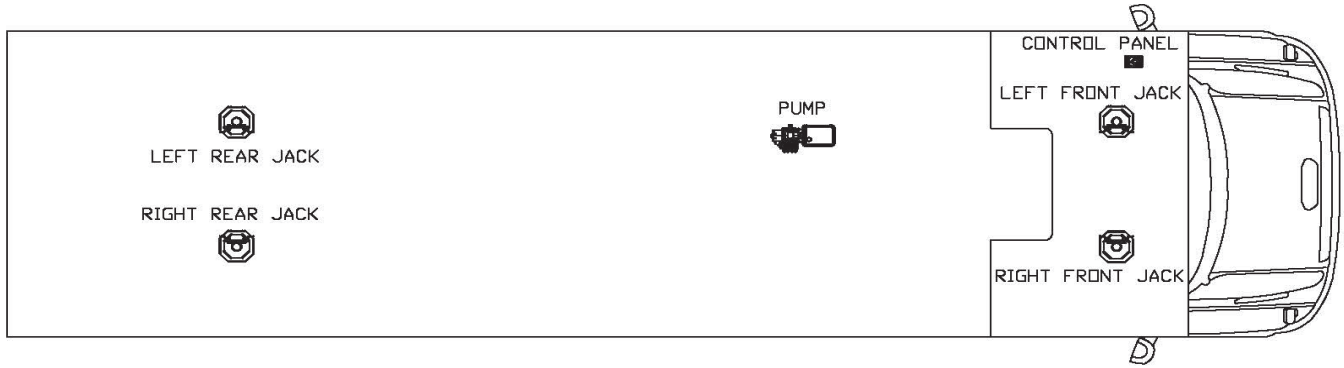
3/1/17 Pump changes from 7982DYN to 7982KSDYN

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8757DYN
Pump	4-Function, Jacks	1		7982KSDYN
Jack	7,500 lbs, 13" Stroke	4		7842
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6808
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70053
Hose, 6'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2461
Hose, 10'	Pump to Jack, Left Rear Top	1	Orange Solid	2465
Hose, 10'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2465
Hose, 10'	Pump to Jack, Right Rear Top	1	Yellow Solid	2465
Hose, 10'	Pump to Jack, Left Front Top	1	Brown Solid	2465
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2465
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 12'	Pump to Jack, Right Front Bottom	1	White Stripe	2467

Options

Revisions

Dynamax
2019 Isata 3
(Starting 5/1/18)



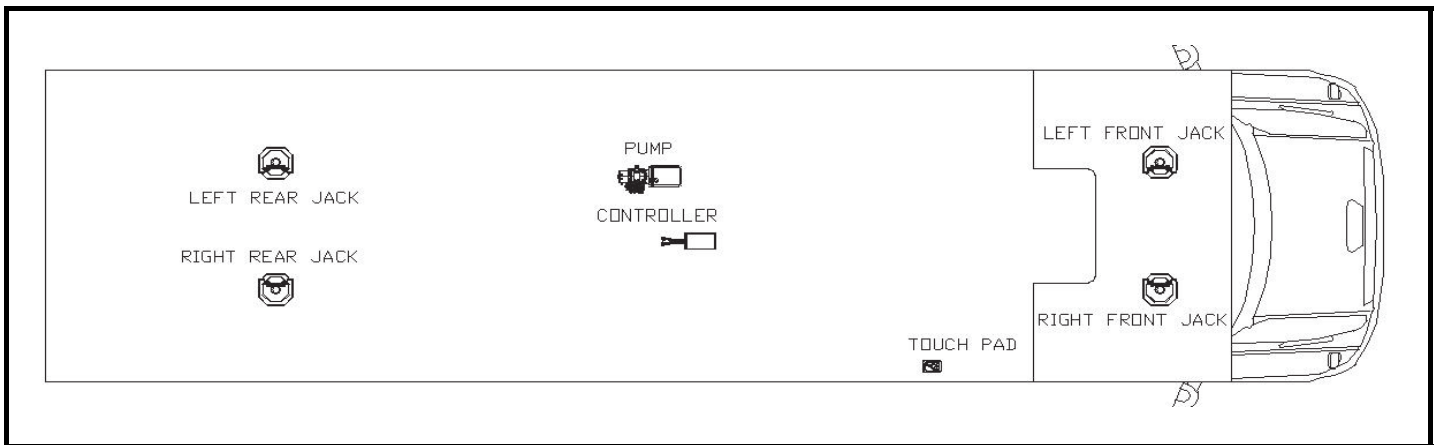
Notes:

3/1/17 Pump changes from 7982DYN to 7982KSDYN

5/1/18 Changed system to new Smart Level
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[illegible]

Dynamax
2019 Isata 4 25FW
(Prior to 6/15/18)



Notes:

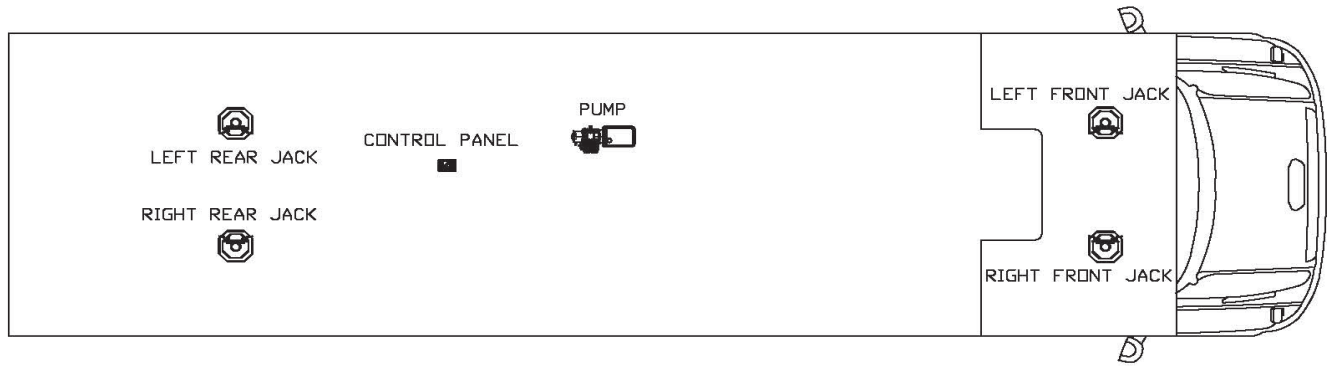
3/1/17 Pump changes from 7948 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772
Pump	4-Function, Jacks	1		7948KS
Jack	7,500 lbs, 13" Stroke	4		7842A
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6951
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

Dynamax
2019 Isata 4 25FW
(Starting 6/15/18)



Notes:

3/1/17 Pump changes from 7948 to 7948KS

6/15/18	Changed system to new Smart Level
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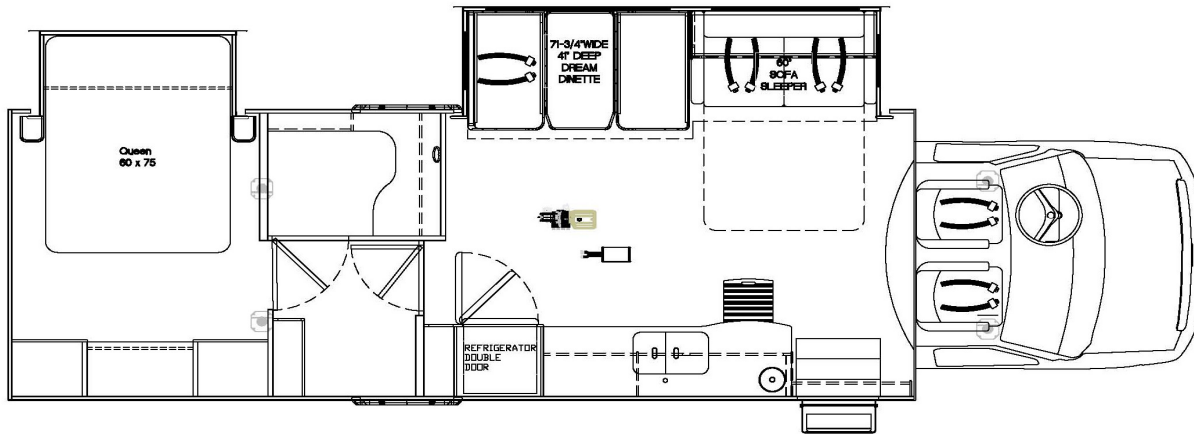
Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772A & 8772B
Pump	4-Function, Jacks	1		7948KS
Jack	7,500 lbs, 13" Stroke	4		7842A
Control Panel	Located to wall in middle of coach	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-15
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

[illegible]

Revisions

Dynamax
2019 Isata 4 31DS
(Prior to 6/15/18)



Notes:

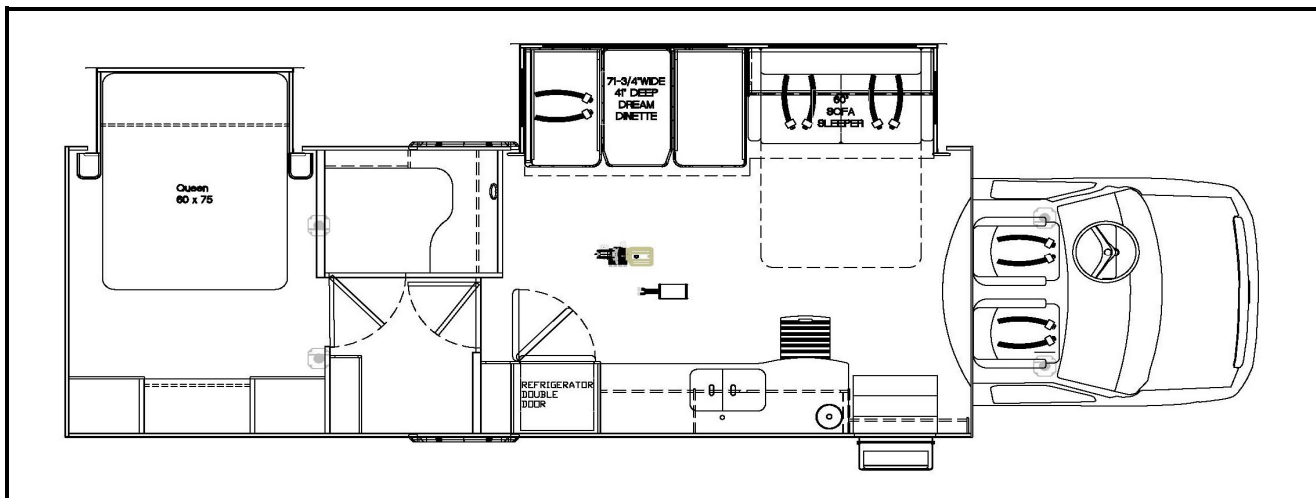
3/1/17 Pump changes from 7948 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772
Pump	4-Function, Jacks	1		7948KS
Jack	7,500 lbs, 13" Stroke	4		7842A
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6941
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

Dynamax
2019 Isata 4 31DS
(Starting 6/15/18)



Notes:

3/1/17 Pump changes from 7948 to 7948KS

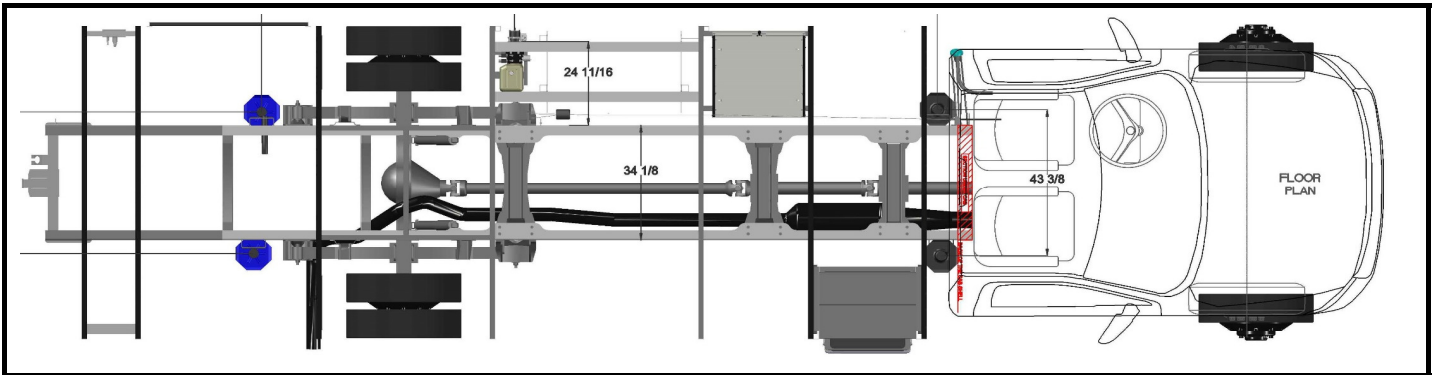
6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8772A & 8772B
Pump	4-Function, Jacks	1		7948KS
Jack	7,500 lbs, 13" Stroke	4		7842A
Control Panel	Located to wall in middle of coach	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-15
Hose Kit	Complete Set of Hoses	1		70024
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 10'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2465
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 12'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2467
Hose, 14'	Pump to Jack, Right Rear Top	1	Yellow Solid	2469
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 18'	Pump to Jack, Right Front Top	1	White Solid	2473

Options

Revisions

Dynamax
2019 Isata 5 30FW
(Prior to 6/15/18)



Notes:

9/12/17-Front and rear hose lengths were reversed when pump was moved to vertical position starting with unit #2179

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8758A
Pump	4-Function, Jacks	1		7948KS
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		3197
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70066
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 12'	Pump to Jack, Left Front Top	1	Brown Solid	2467
Hose, 12'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2467
Hose, 16'	Pump to Jack, Right Front Top	1	White Solid	2471
Hose, 16'	Pump to Jack, Left Rear Top	1	Orange Solid	2471
Hose, 16'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2471
Hose, 20'	Pump to Jack, Right Rear Top	1	Yellow Solid	2475

Options

Revisions

24 11/16

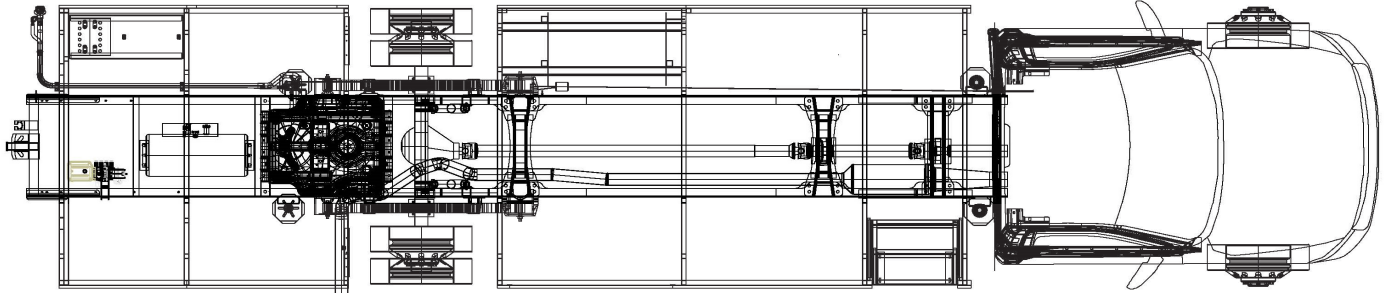
34 1/8

43 3/8

FLOOR PLAN

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Dynamax
2019 Isata 5 35DB
(Prior to 6/15/18)



Notes:

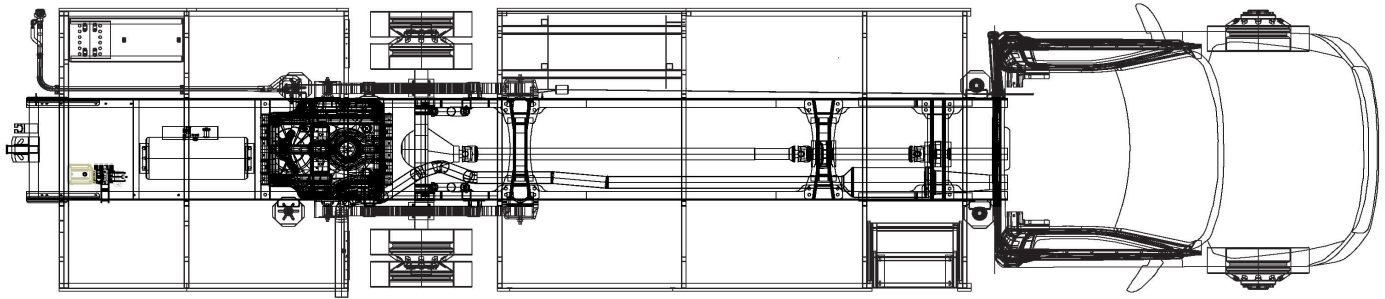
1/19/18-Pump was moved to rear and kit number changed to 8628

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8628
Pump	4-Function, Jacks	1		7960KS
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		3197
Harness	Connects Pump to Controller	1		6799
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70089
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 32'	Pump to Jack, Left Front Top	1	Brown Solid	2482
Hose, 28'	Pump to Jack, Right Front Top	1	White Solid	2535
Hose, 28'	Pump to Jack, Right Front Bottom	1	White Stripe	2535
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 8'	Pump to Jack, Right Rear Top	1	Yellow Solid	2463
Hose, 8'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2463

Options

Revisions

Dynamax
2019 Isata 5 35DB
(Starting 6/15/18)

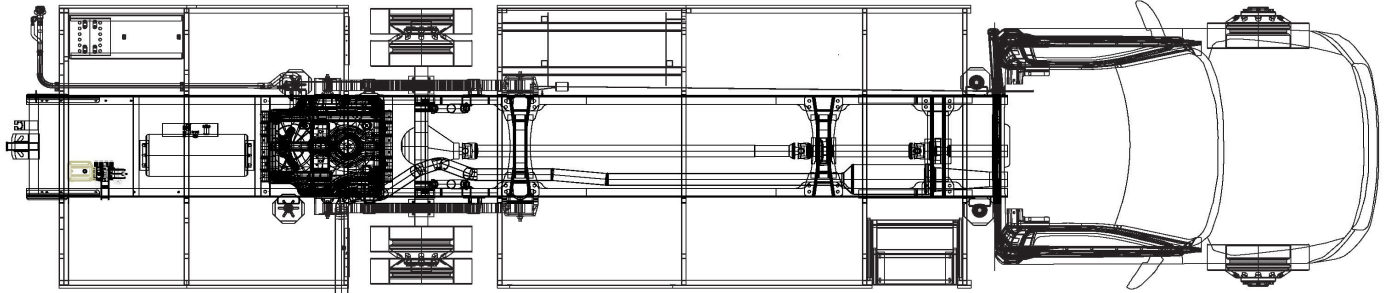
**Notes:**

1/19/18-Pump was moved to rear and kit number changed to 8628

6/15/18	Changed system to new Smart Level
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Dynamax
2019 Isata 5 36DS
(Prior to 6/15/18)



Notes:

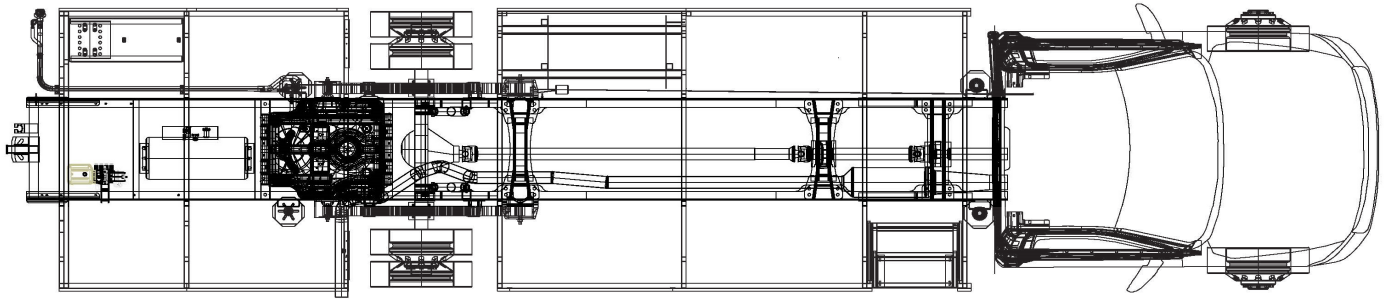
1/19/18-Pump was moved to rear and kit number changed to 8628

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8628
Pump	4-Function, Jacks	1		7960KS
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		3197
Harness	Connects Pump to Controller	1		6799
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70089
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 32'	Pump to Jack, Left Front Top	1	Brown Solid	2482
Hose, 28'	Pump to Jack, Right Front Top	1	White Solid	2535
Hose, 28'	Pump to Jack, Right Front Bottom	1	White Stripe	2535
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 8'	Pump to Jack, Right Rear Top	1	Yellow Solid	2463
Hose, 8'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2463

Options

Revisions

Dynamax
2019 Isata 5 36DS
(Starting 6/15/18)

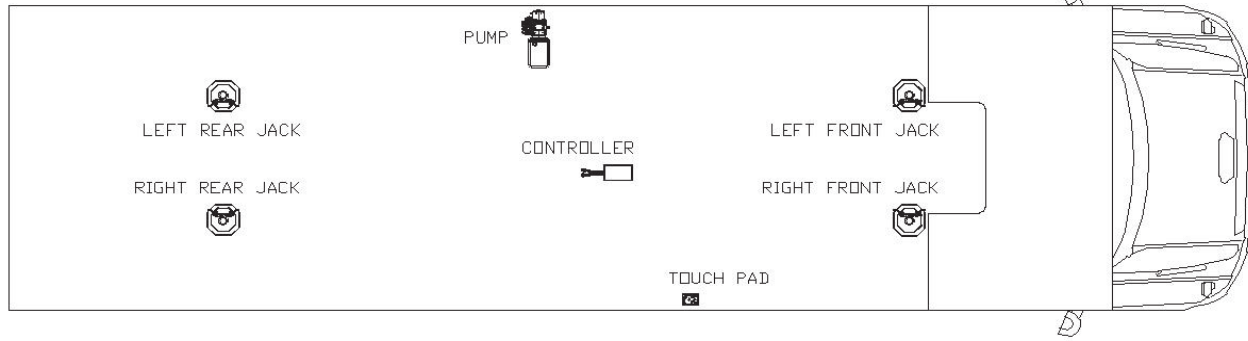
**Notes:**

1/19/18-Pump was moved to rear and kit number changed to 8628

6/15/18	Changed system to new Smart Level
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Dynamax
2019 DX3, Dynaquest XL, Force
(Prior to 6/15/18)



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

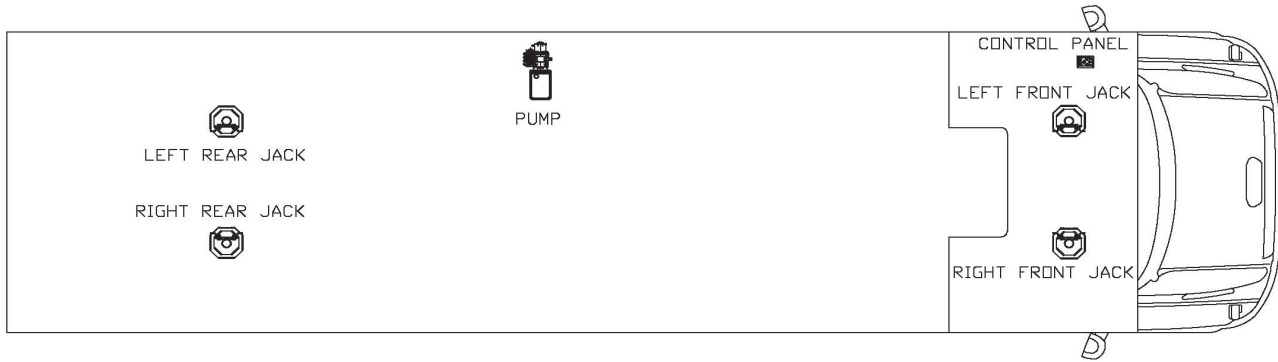
3/1/17 Pump changes from 70028 to 7948KS

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Touch Pad	Located to the left of the drivers seat	1		3103
AL Controller	Attached to bottom of structure	1		2730
Harness	Connects Pump to Controller	1		6955
Harness	Connects Controller to Touch Pad	1		6975
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2019 DX3, Dynaquest XL, Force
(Starting 6/15/18)



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

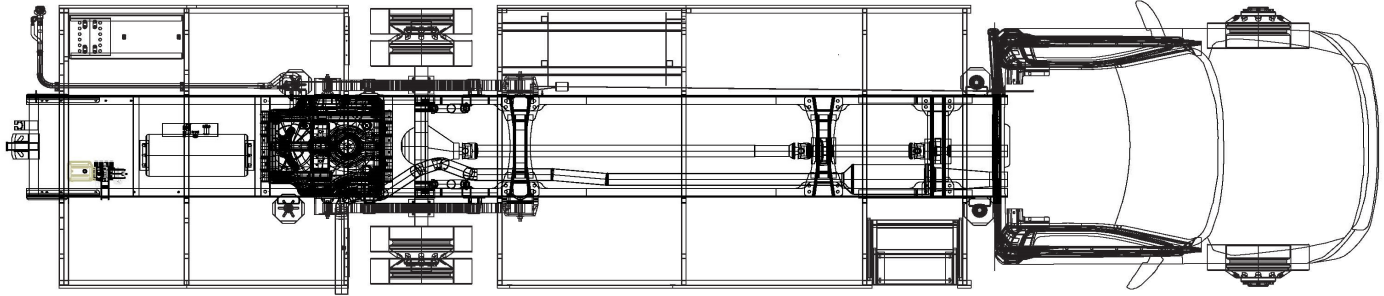
3/1/17 Pump changes from 7982DYN to 7982KSDYN
5/1/18 Changed system to new Smart Level
7/8/19 Began shipping system 8757DYNA instead of 8757DYN to accommodate 2019 Sprinter chassis

DYNAMAX MY 2020 PARTS CHART.xls 9/26/2019

Technical drawing of a vehicle chassis showing a side view and a floor plan view. The side view includes dimensions: 24 11/16, 34 1/8, and 43 3/8. The floor plan view is labeled "FLOOR PLAN".

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Dynamax
2020 Isata 5
36DS



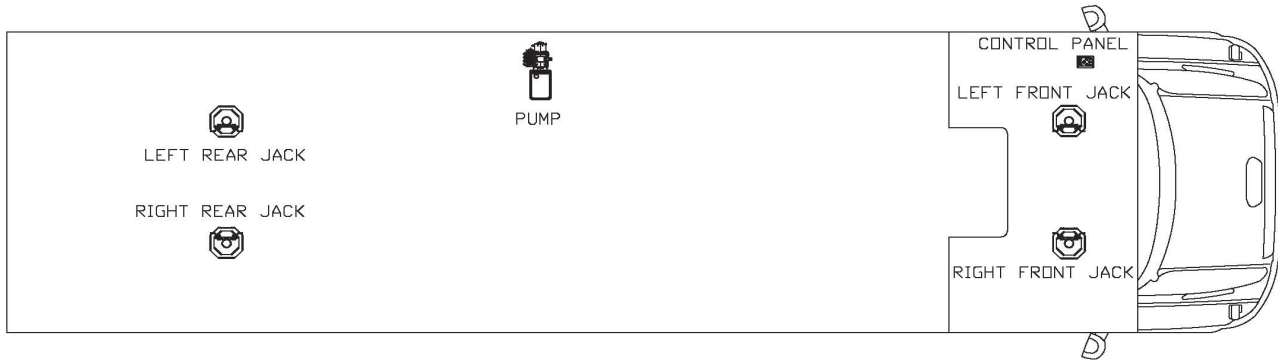
Notes:

1/19/18-Pump was moved to rear and kit number changed to 8628

6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8792A & 8792B
Pump	4-Function, Jacks	1		7960KS
Jack	7,500 lbs, 15" Stroke / Front Jacks	2		7636
Jack	12,000 lbs, 16" Stroke / Rear Jacks	2		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-40
Hose Kit	Complete Set of Hoses	1		70089
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 32'	Pump to Jack, Left Front Top	1	Brown Solid	2482
Hose, 28'	Pump to Jack, Right Front Top	1	White Solid	2535
Hose, 28'	Pump to Jack, Right Front Bottom	1	White Stripe	2535
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 8'	Pump to Jack, Right Rear Top	1	Yellow Solid	2463
Hose, 8'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2463
Options				
Revisions				

Dynamax
2020 Force
34KD, 37BH, 37TS



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

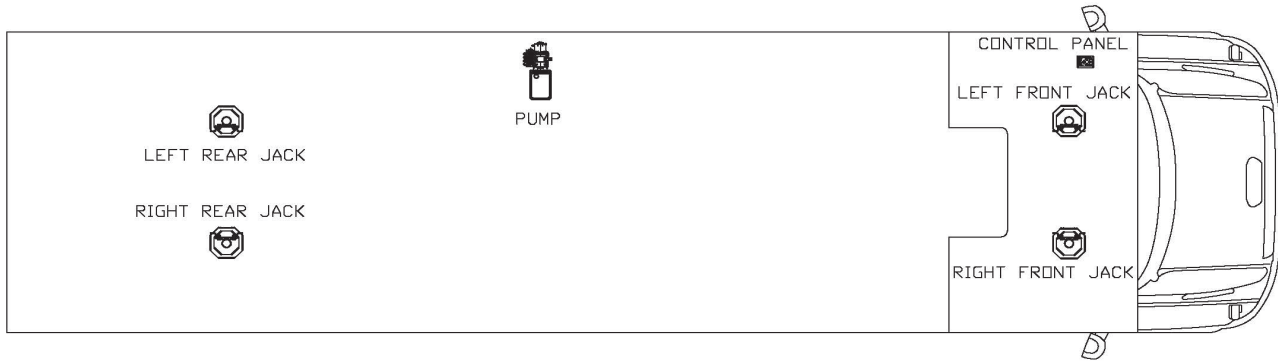
6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2020 DX3
34KD, 37BH, 37TS, 37RB



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

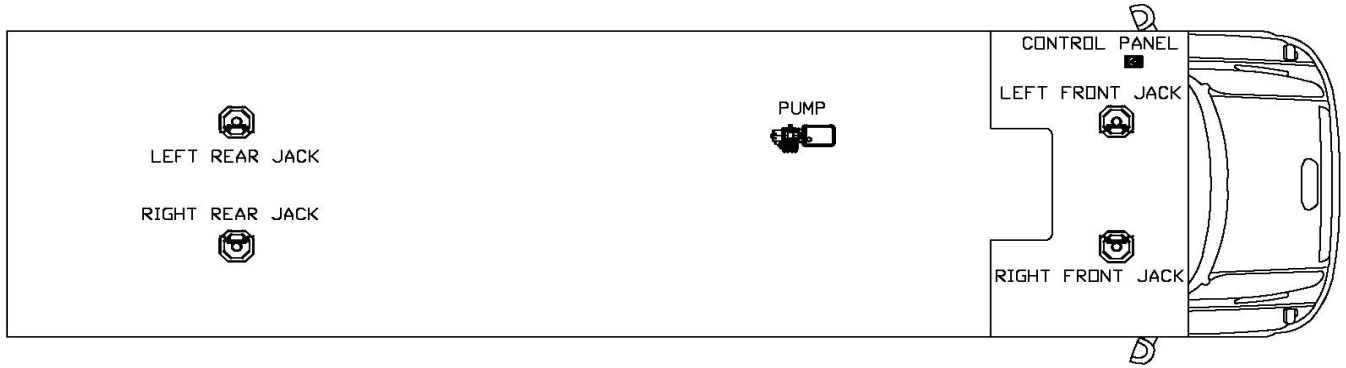
Diagram illustrating the location of the control panel, pump, and jacks on the vehicle chassis.

- CONTROL PANEL
- LEFT FRONT JACK
- RIGHT FRONT JACK
- PUMP
- LEFT REAR JACK
- RIGHT REAR JACK

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REVISIONS	

Dynamax 2021 Isata 3
24FW, 24RW
(Prior to 7/20/20)



Notes:

3/1/17 Pump changes from 7982DYN to 7982KSDYN

5/1/18 Changed system to new Smart Level

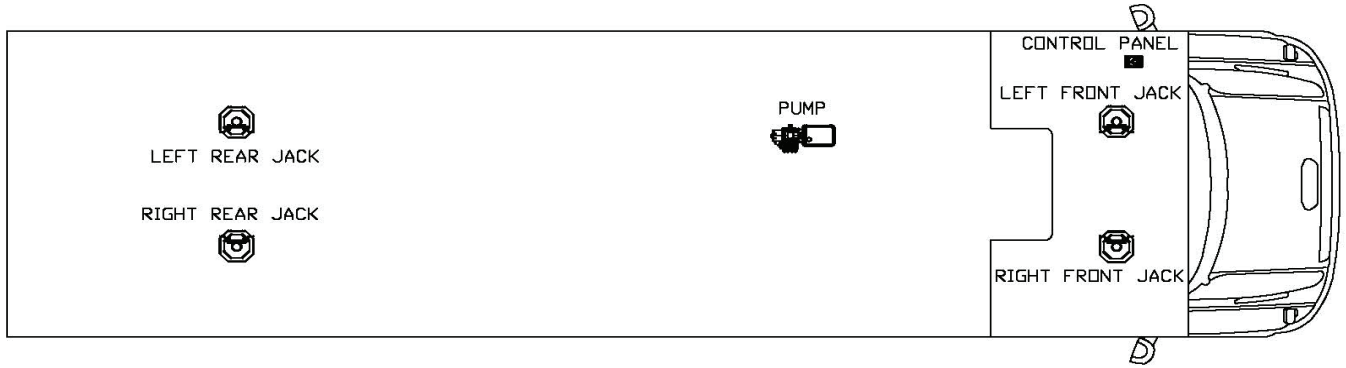
7/8/19 Began shipping system 8757DYNA instead of 8757DYN to accommodate 2019 Sprinter chassis

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8757DYNA
Pump	4-Function, Jacks	1		7982KSDYN
Jack	7,500 lbs, 13" Stroke	4		7842A
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-10
Hose Kit	Complete Set of Hoses	1		70053
Hose, 6'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2461
Hose, 10'	Pump to Jack, Left Rear Top	1	Orange Solid	2465
Hose, 10'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2465
Hose, 10'	Pump to Jack, Right Rear Top	1	Yellow Solid	2465
Hose, 10'	Pump to Jack, Left Front Top	1	Brown Solid	2465
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2465
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 12'	Pump to Jack, Right Front Bottom	1	White Stripe	2467

Options

Revisions

Dynamax 2021 Isata 3
24FW, 24RW
(Starting 7/20/20)



Notes:

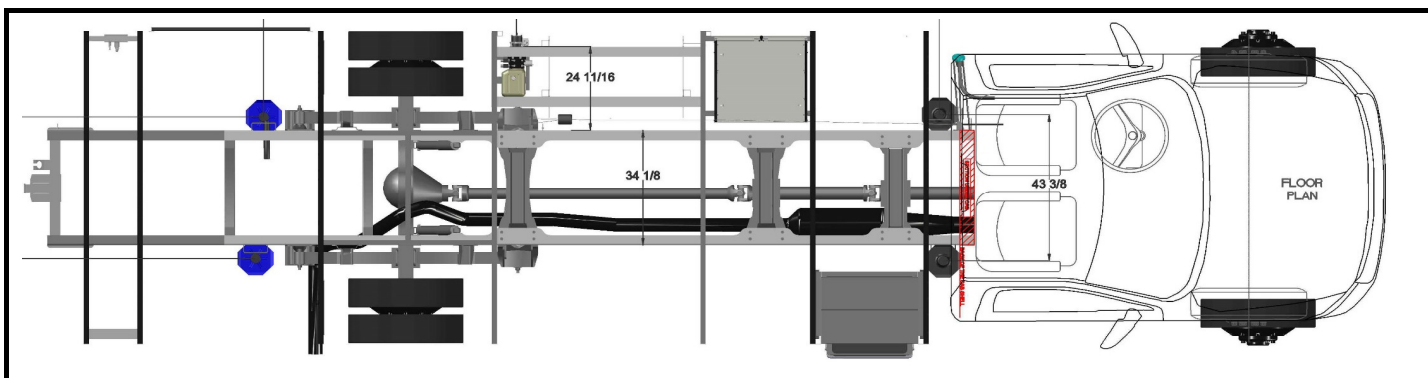
7/20/20 Began shipping system 8757DYNB instead of 8757DYNA to accommodate multiplex operation of jacks.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8757DYNB
Pump	4-Function, Jacks	1		7982KSDYN
Jack	7,500 lbs, 13" Stroke	4		7842A
Control Panel	Located to the left of the drivers seat	1		3197SC
Harness	Connects Pump to Control Panel	1		6133-10
Hose Kit	Complete Set of Hoses	1		70053
Hose, 6'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2461
Hose, 10'	Pump to Jack, Left Rear Top	1	Orange Solid	2465
Hose, 10'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2465
Hose, 10'	Pump to Jack, Right Rear Top	1	Yellow Solid	2465
Hose, 10'	Pump to Jack, Left Front Top	1	Brown Solid	2465
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2465
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 12'	Pump to Jack, Right Front Bottom	1	White Stripe	2467

Options

Revisions

(Prior to 8/24/20)



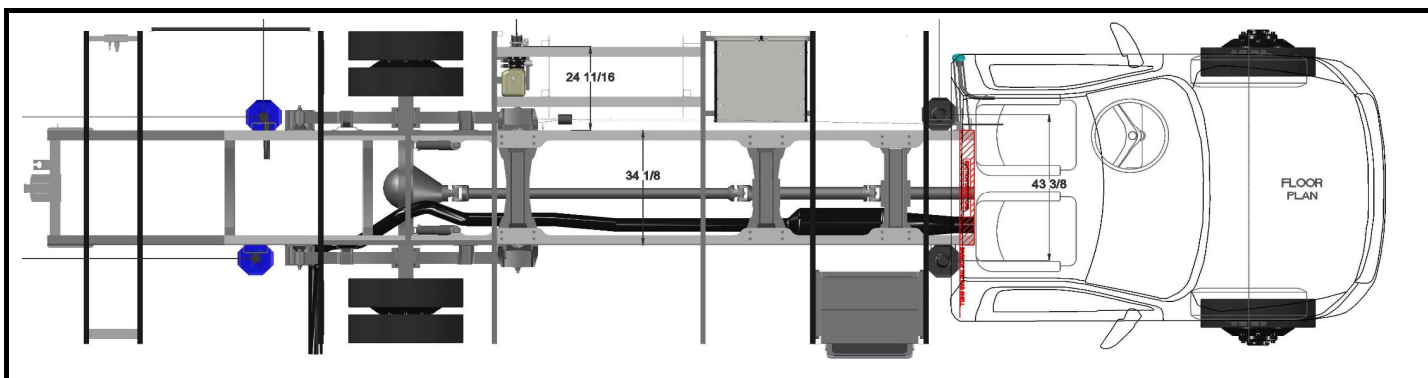
Notes:

9/12/17-Front and rear hose lengths were reversed when pump was moved to vertical position starting with unit #2179

6/15/18 Changed system to new Smart Level

[illegible]

(Starting 8/24/20)



Notes:

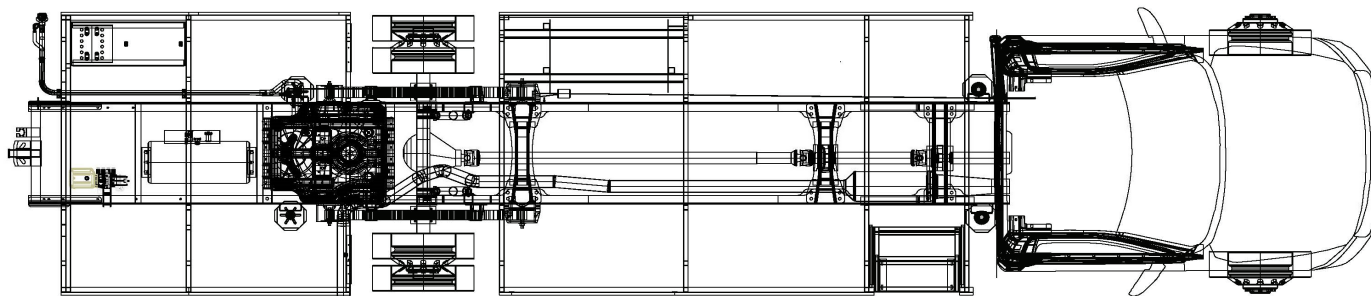
9/12/17-Front and rear hose lengths were reversed when pump was moved to vertical position starting with unit #2179

6/15/18 Changed system to new Smart Level

8/24/20-Changed control system from 8758B to 8758C-Control panel changed from 3197SBT to 3197SC to work with multiplex.

[illegible]

(Prior to 8/24/20)



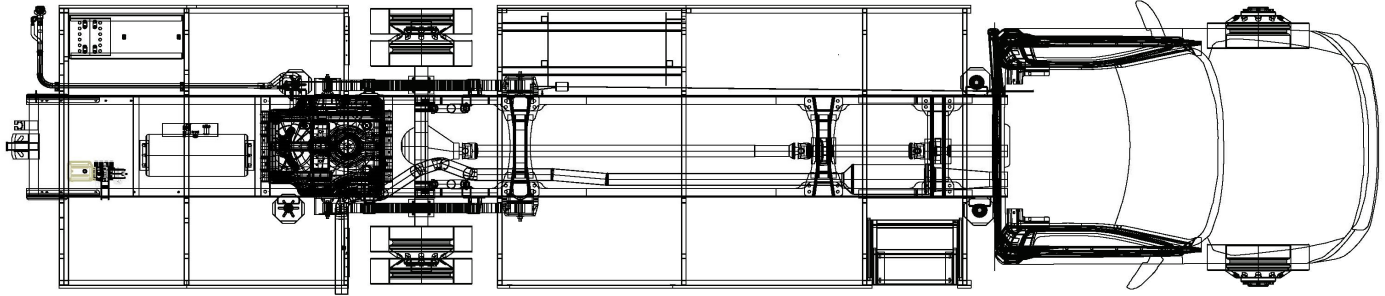
Notes:

1/19/18-Pump was moved to rear and kit number changed to 8628

6/15/18	Changed system to new Smart Level
---------	-----------------------------------

[illegible]

Dynamax 2021 Isata 5
34DS
(Starting 8/24/20)



Notes:

1/19/18-Pump was moved to rear and kit number changed to 8628

6/15/18 Changed system to new Smart Level

8/24/20-Changed control system from 8758B to 8758C-Control panel changed from 3197SBT to 3197SC to work with multiplex.

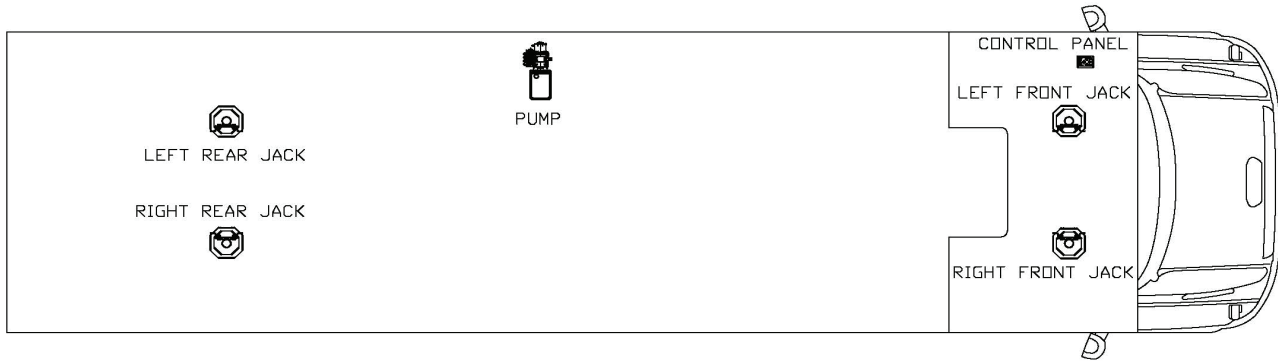
Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8792A & 8792C
Pump	4-Function, Jacks	1		7960KS
Jack	7,500 lbs, 15" Stroke / Front Jacks	2		7636
Jack	12,000 lbs, 16" Stroke / Rear Jacks	2		7214
Control Panel	Located to the left of the drivers seat	1		3197SC
Harness	Connects Pump to Control Panel	1		6133-40
Hose Kit	Complete Set of Hoses	1		70089
Hose, 8'	LF Jack Bottom to RF Jack Bottom	1	Brn Stripe/Wht Stripe	2463
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2463
Hose, 32'	Pump to Jack, Left Front Top	1	Brown Solid	2482
Hose, 28'	Pump to Jack, Right Front Top	1	White Solid	2535
Hose, 28'	Pump to Jack, Right Front Bottom	1	White Stripe	2535
Hose, 12'	Pump to Jack, Left Rear Top	1	Orange Solid	2467
Hose, 8'	Pump to Jack, Right Rear Top	1	Yellow Solid	2463
Hose, 8'	Pump to Jack, Right Rear Bottom	1	Yellow Stripe	2463

Options

Revisions

[illegible]

Dynamax
2021 Force HD
34KD, 37BH, 37TS



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

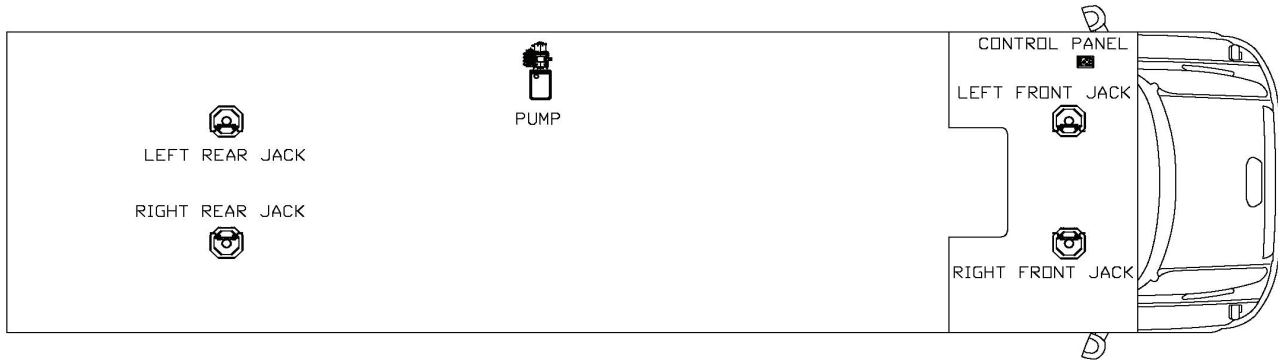
6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2021 DX3
34KD, 37BH, 37TS, 37RB



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

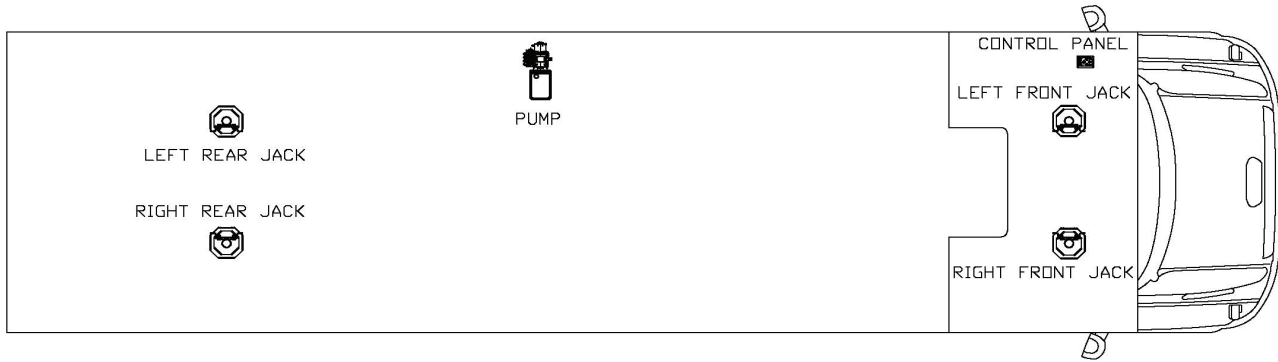
6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2021 Dynaquest XL
3400KD, 37BH, 3801TS, 37RB



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

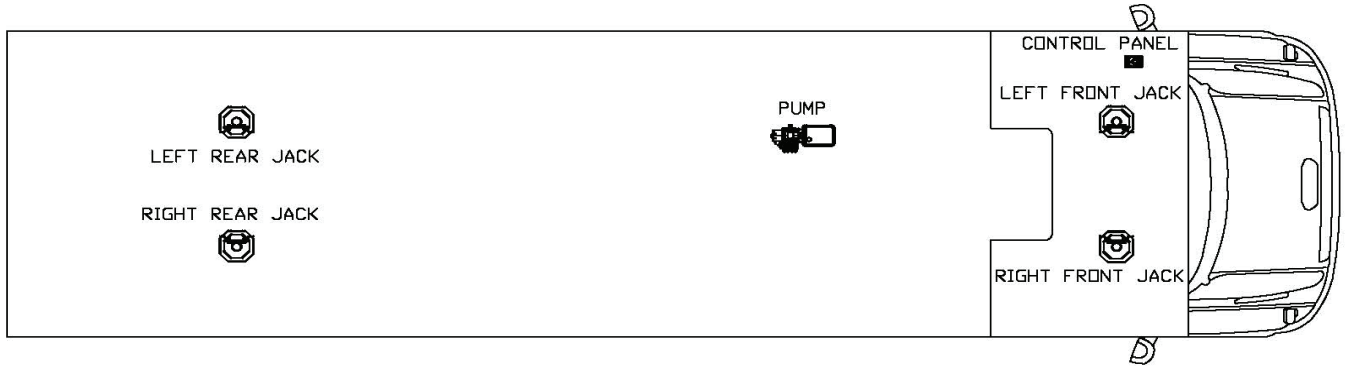
3/1/17 Pump changes from 70028 to 7948KS

6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions



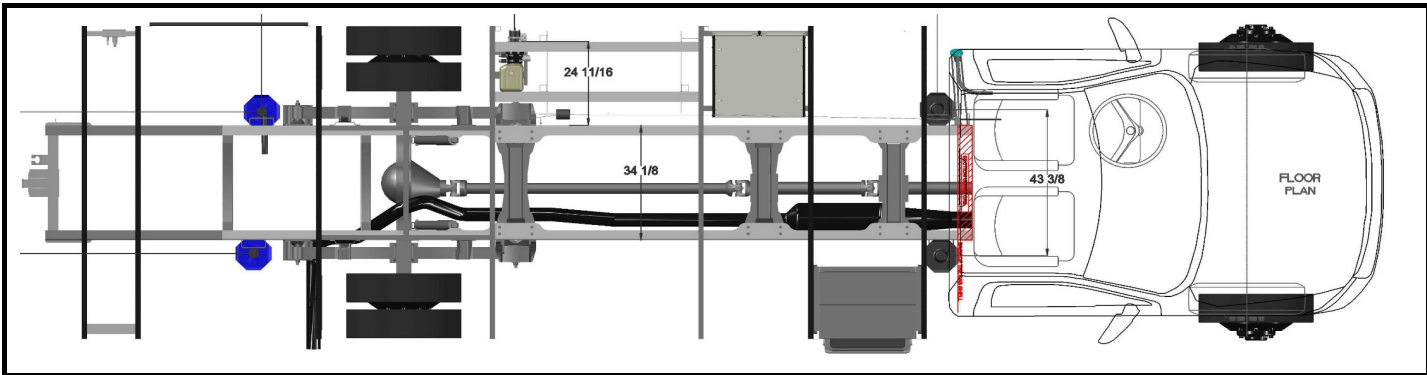
Notes:

7/20/20 Began shipping system 8757DYNB instead of 8757DYNA to accommodate multiplex operation of jacks.

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8757DYNB
Pump	4-Function, Jacks	1		7982KSDYN
Jack	7,500 lbs, 13" Stroke	4		7842A
Control Panel	Located to the left of the drivers seat	1		3197SC
Harness	Connects Pump to Control Panel	1		6133-10
Hose Kit	Complete Set of Hoses	1		70053
Hose, 6'	LR Jack Bottom to RR Jack Bottom	1	Org Stripe/Yel Stripe	2461
Hose, 10'	Pump to Jack, Left Rear Top	1	Orange Solid	2465
Hose, 10'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2465
Hose, 10'	Pump to Jack, Right Rear Top	1	Yellow Solid	2465
Hose, 10'	Pump to Jack, Left Front Top	1	Brown Solid	2465
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2465
Hose, 12'	Pump to Jack, Right Front Top	1	White Solid	2467
Hose, 12'	Pump to Jack, Right Front Bottom	1	White Stripe	2467

Options

Revisions



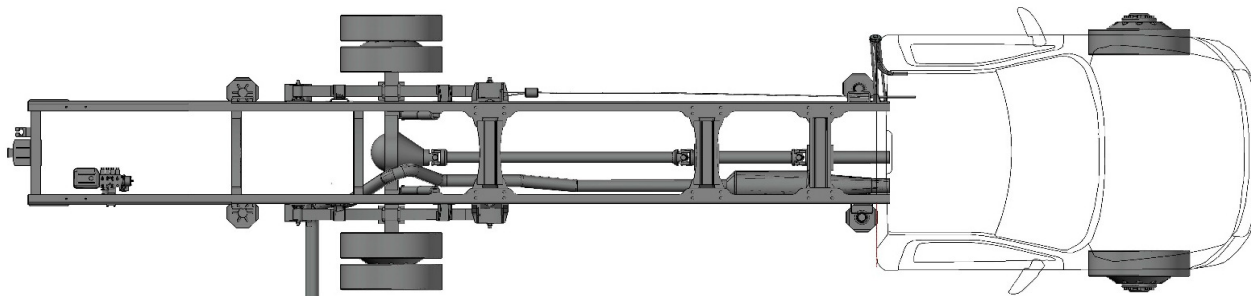
Notes:

9/12/17-Front and rear hose lengths were reversed when pump was moved to vertical position starting with unit #2179

6/15/18 Changed system to new Smart Level

8/24/20-Changed control system from 8758B to 8758C-Control panel changed from 3197SBT to 3197SC to work with multiplex.

[illegible]



Notes:

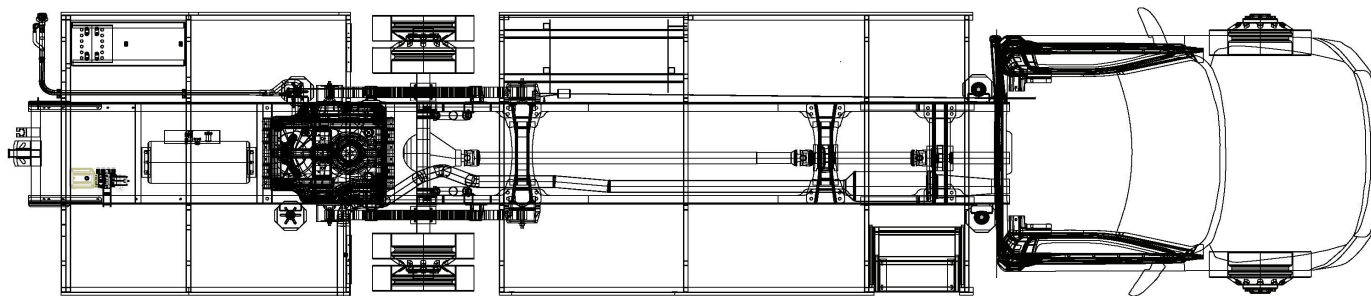
9/12/17-Front and rear hose lengths were reversed when pump was moved to vertical position starting with unit #2179

6/15/18	Changed system to new Smart Level
---------	-----------------------------------

8/24/20-Changed control system from 8758B to 8758C-Control panel changed from 3197SBT to 3197SC to work with multiplex.

1/29/21- Changed system part number due to pump relocation for 2022 model year.

[illegible]



Notes:

1/19/18-Pump was moved to rear and kit number changed to 8628

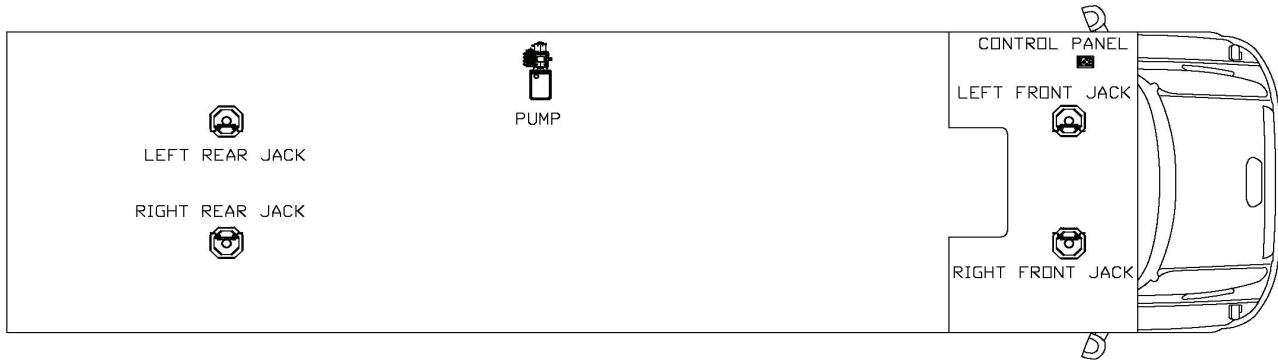
6/15/18	Changed system to new Smart Level
---------	-----------------------------------

8/24/20-Changed control system from 8758B to 8758C-Control panel changed from 3197SBT to 3197SC to work with multiplex.

[illegible]

[illegible]

Dynamax
2022 Force HD
34KD, 37TS



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

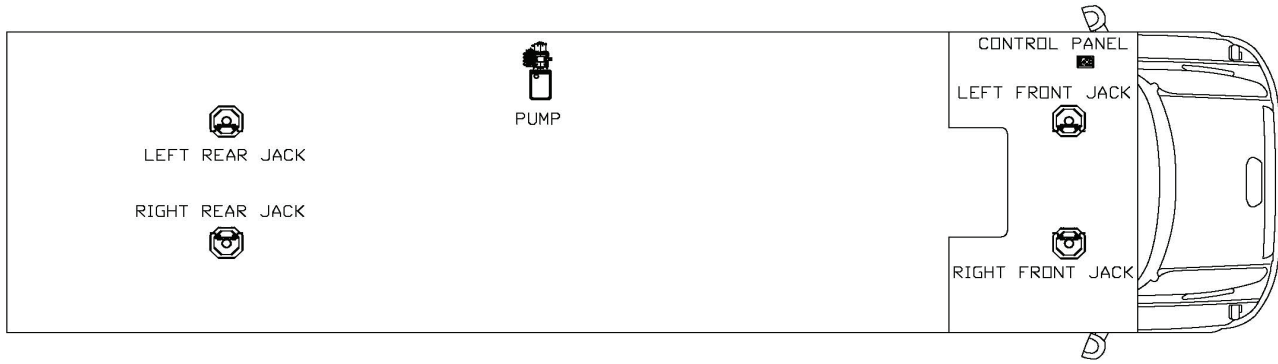
6/15/18 Changed system to new Smart Level

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2022 Force HD
37BD



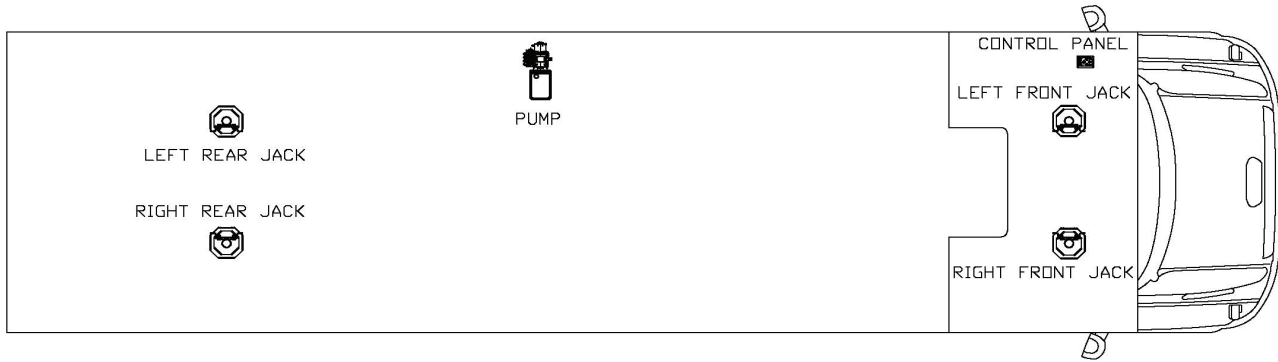
Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085C
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SC
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Dynamax
2022 DX3
34KD, 37TS, 37RB



Notes:

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

6/15/18 Changed system to new Smart Level

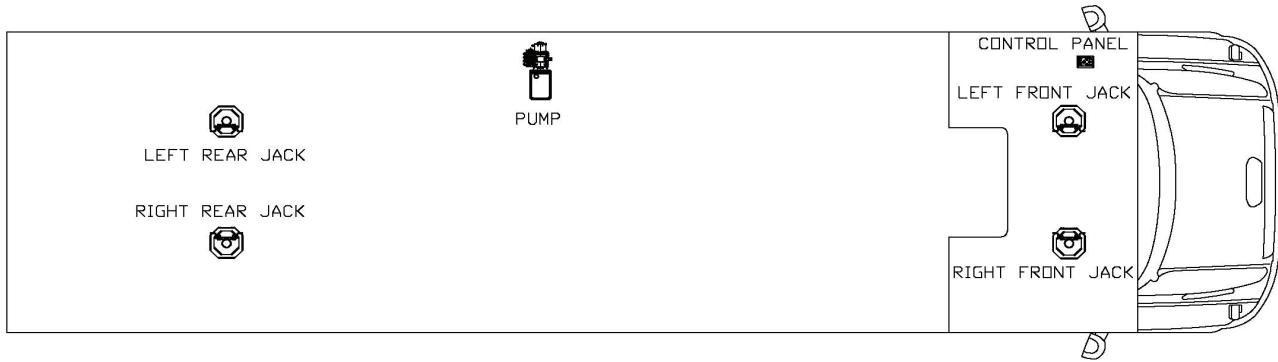
Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

Revisions

Page 9 of 11

Dynamax
2022 Dynaquest XL
3400KD, 3801TS, 37RB

**Notes:**

1/7/17 Keypad harness changed from 6942 to 6975

3/1/17 Pump changes from 70028 to 7948KS

6/15/18 Changed system to new Smart Level

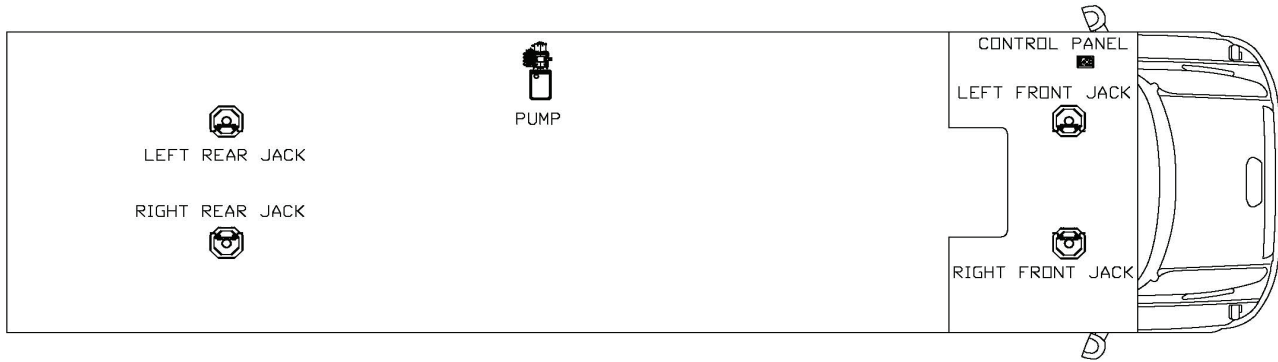
Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085B
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

Options

[illegible]

Revisions

Dynamax
2022 Dynaquest XL
3700BD

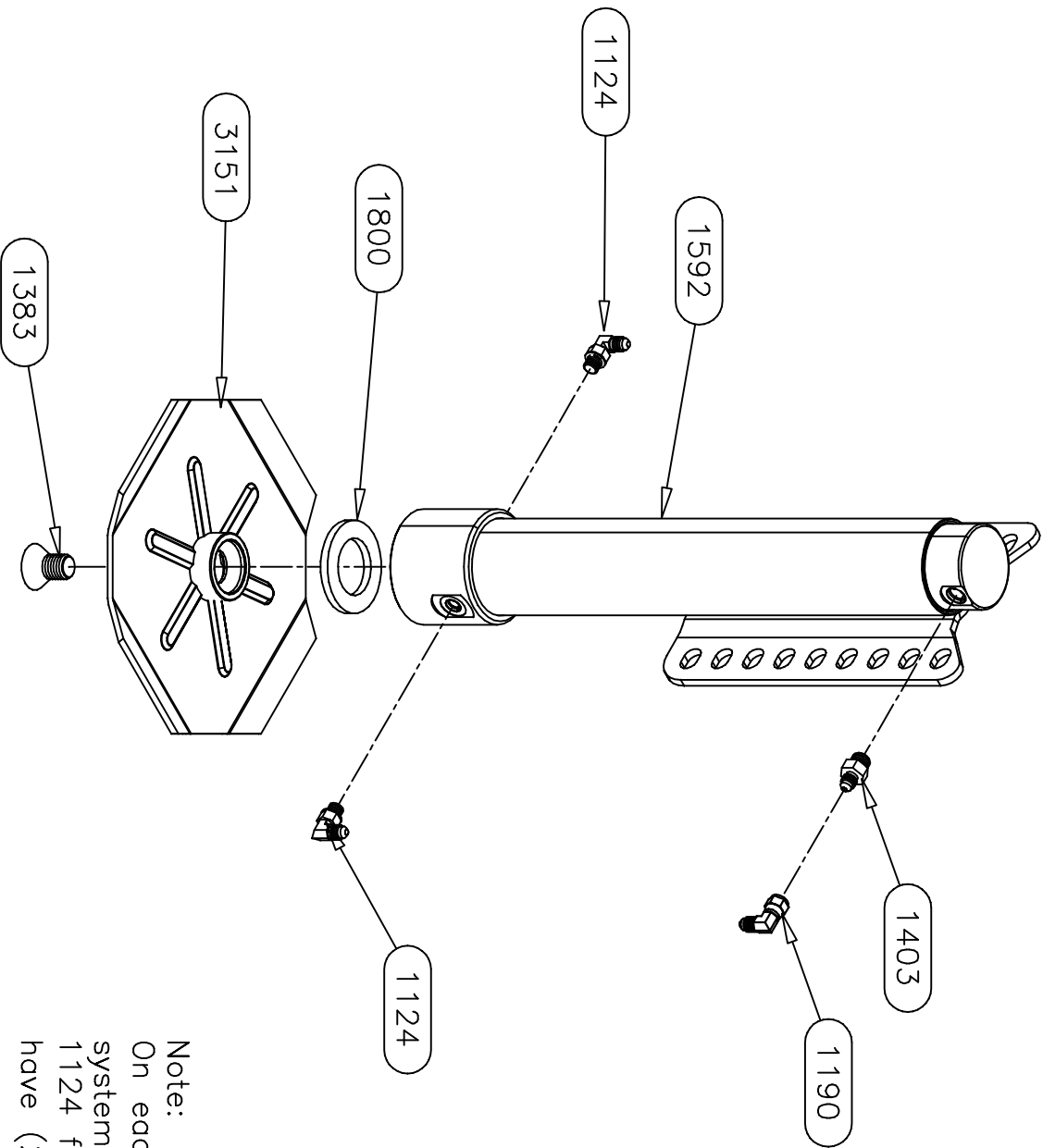


Notes:

Item, Length	Description / Location	Qty	Color	Equalizer Part No.
Kit	(Items listed below)	1		8085A & 8085C
Pump	4-Function, Jacks	1		7948KS
Jack	12,000 lbs, 16" Stroke	4		7214
Control Panel	Located to the left of the drivers seat	1		3197SBT
Harness	Connects Pump to Control Panel	1		6133-30
Hose Kit	Complete Set of Hoses	1		70029
Hose, 8'	LR Jack Bottom to RR Jack Bottom	1	Org. Stripe/Yel Stripe	2463
Hose, 10'	Pump to Jack, Left Front Bottom	1	Brw Stripe/Wht Stripe	2465
Hose, 14'	Pump to Jack, Left Rear Top	1	Orange Solid	2469
Hose, 14'	Pump to Jack, Left Rear Bottom	1	Orange Stripe	2469
Hose, 16'	Pump to Jack, Left Front Bottom	1	Brown Stripe	2471
Hose, 16'	Pump to Jack, Left Front Top	1	Brown Solid	2471
Hose, 18'	Pump to Jack, Right Rear Top	1	Yellow Solid	2473
Hose, 20'	Pump to Jack, Right Front Top	1	White Solid	2475

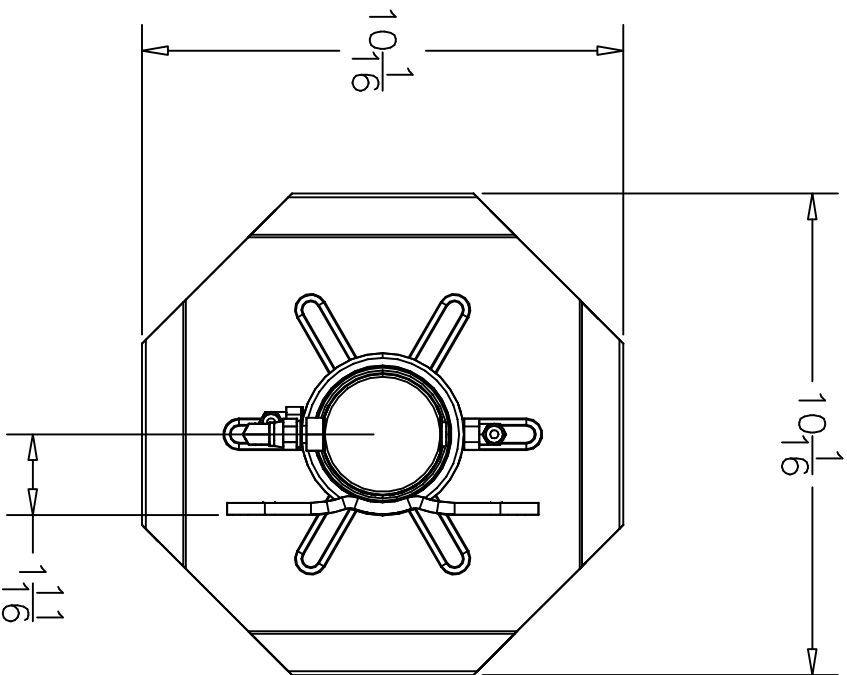
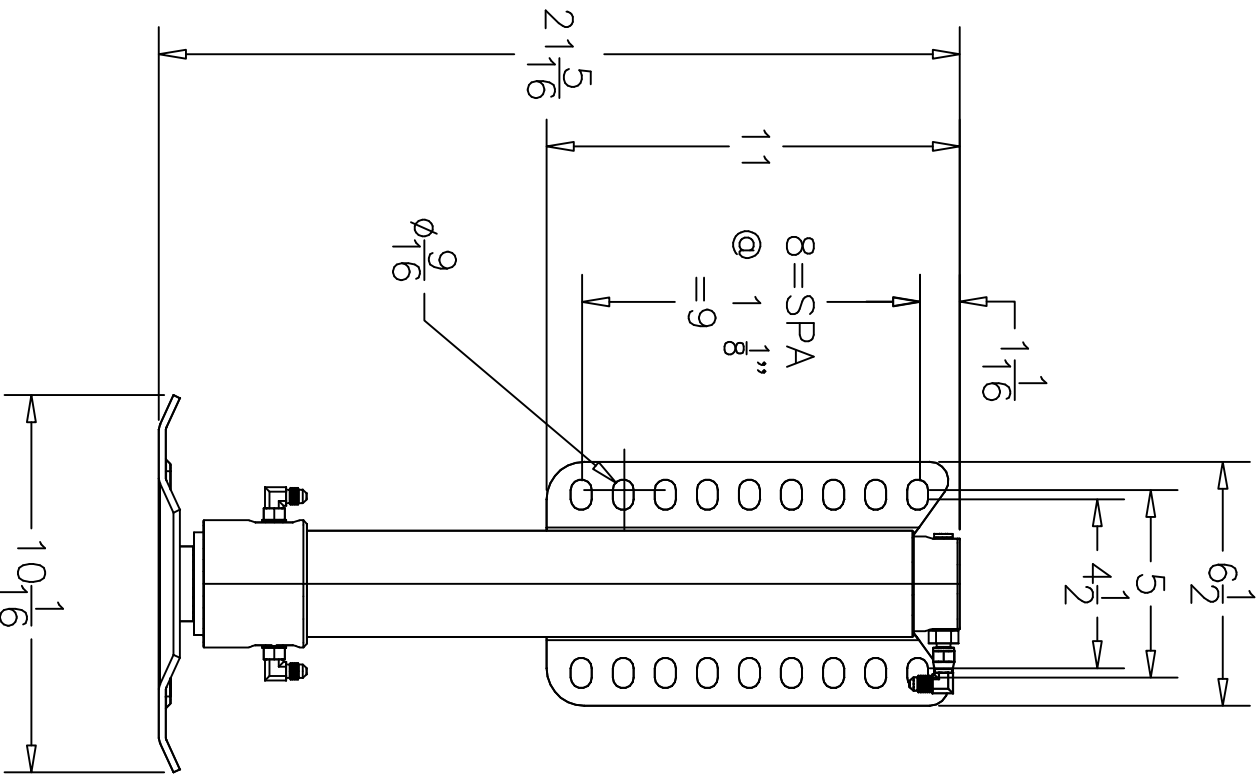
Options

Revisions



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 COUNTRY ROAD 3 ELKHART, IN 46515		#		REVISIONS		BY:		DATE:		UNLESS OTHERWISE SPECIFIED:		TITLE		USED ON:	
NOTICE - This drawing, including principles of design, is the property of Doye 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 Doye Corporation. Acceptance of this will be construed as an agreement of the above.		CHANGED TO MONARCH STYLE CYLINDER		A				SU		2/23/17		TOLERANCES: .XXX ± 0.010 .X ± 0.030 ANG. ± 1/2° REMOVE ALL BURRS AND SHARP EDGES .015 MAX		SL 16 S LEG ASSEMBLY		DYNAMAX	
												SIZE SCALE MATERIAL		A 1:1 A S		NOTED	
												DRW BY: DATE:		SU 12/9/14		PART NAME:	
																SL 16 S LEG ASSEMBLY	
																PAGE: 2 OF 3	
																DWG NO.: P7214-7949	
																REV: A	



Equalizer

55169 COUNTRY ROAD 3
ELKHART, IN 46515

#

REVISIONS
CHANGED TO MONARCH STYLE CYLINDER

BY:

DATE:

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

TITLE

SL 16 S LEG ASSEMBLY

USED ON:
DYNAMAX

NOTED

PART NAME:

SL 16 S LEG ASSEMBLY

NOTICE - This drawing, including principles of design, is the property of Doye 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 Doye Corporation. Acceptance of this will be construed as an agreement of the above.

REV:

PAGE:

3 OF 3

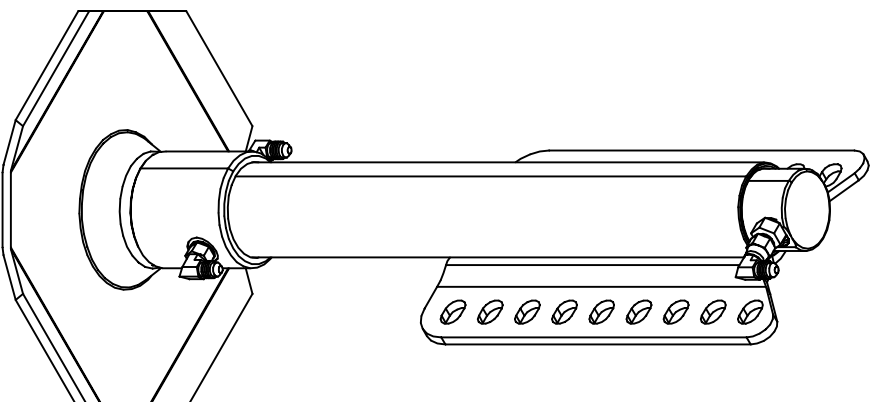
DWG NO.:

P7214-7949

REV:

A

PART #	DESCRIPTION	QUAN
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7949 PARTS LIST (FOUR JACKS)[illegible]

Equalizer

55169 COUNTY ROAD 3
ELKHART, IN 46515

#	A
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CHANGED TO MONARCH STYLE CYLINDER

BY:	
SJ	

DATE: 2/23/17

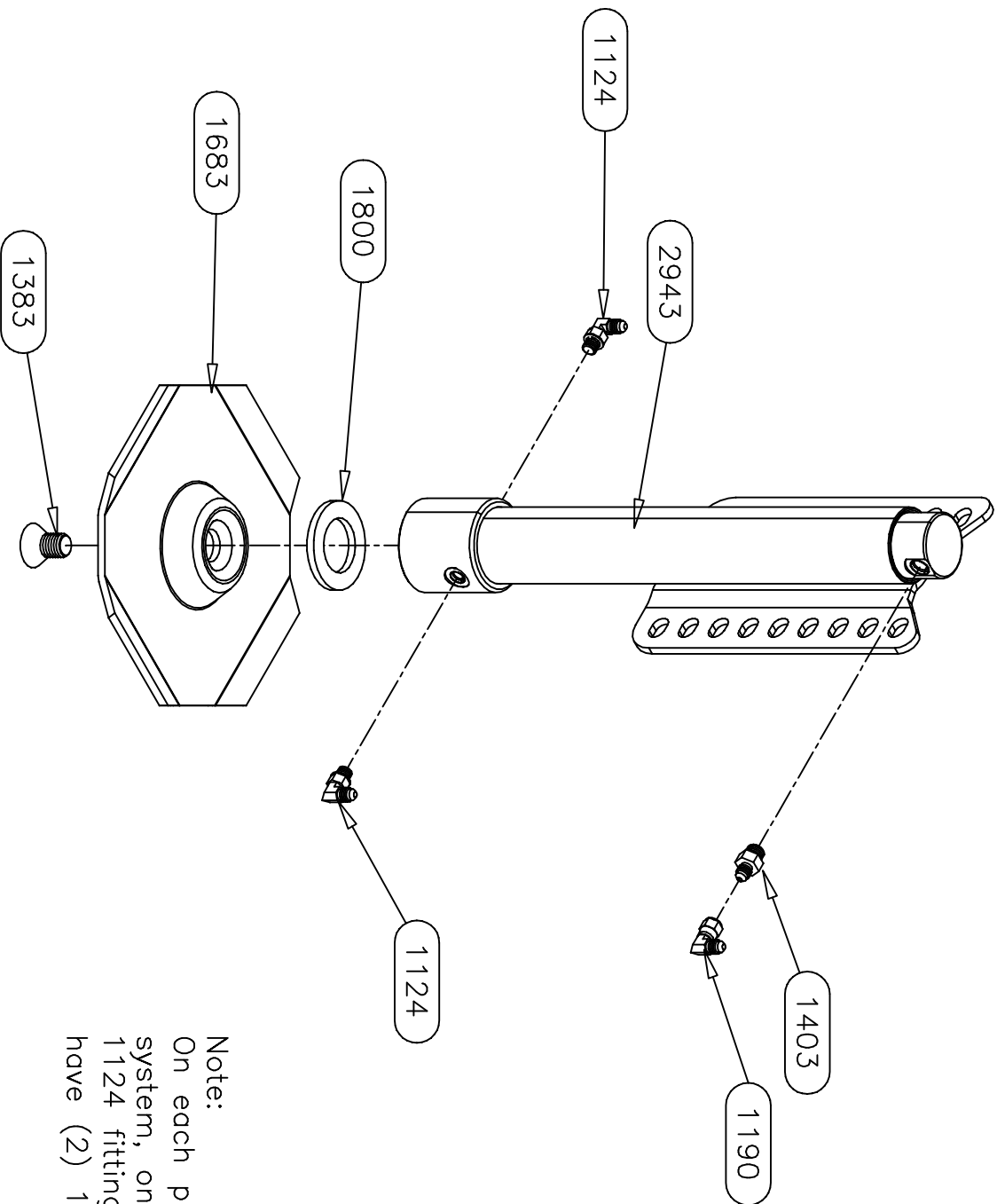
UNLESS OTHERWISE SPECIFIED:

TITLE	
MH 15 SL LEG ASSEMBLY	

USED ON:
DYNAMAX

1

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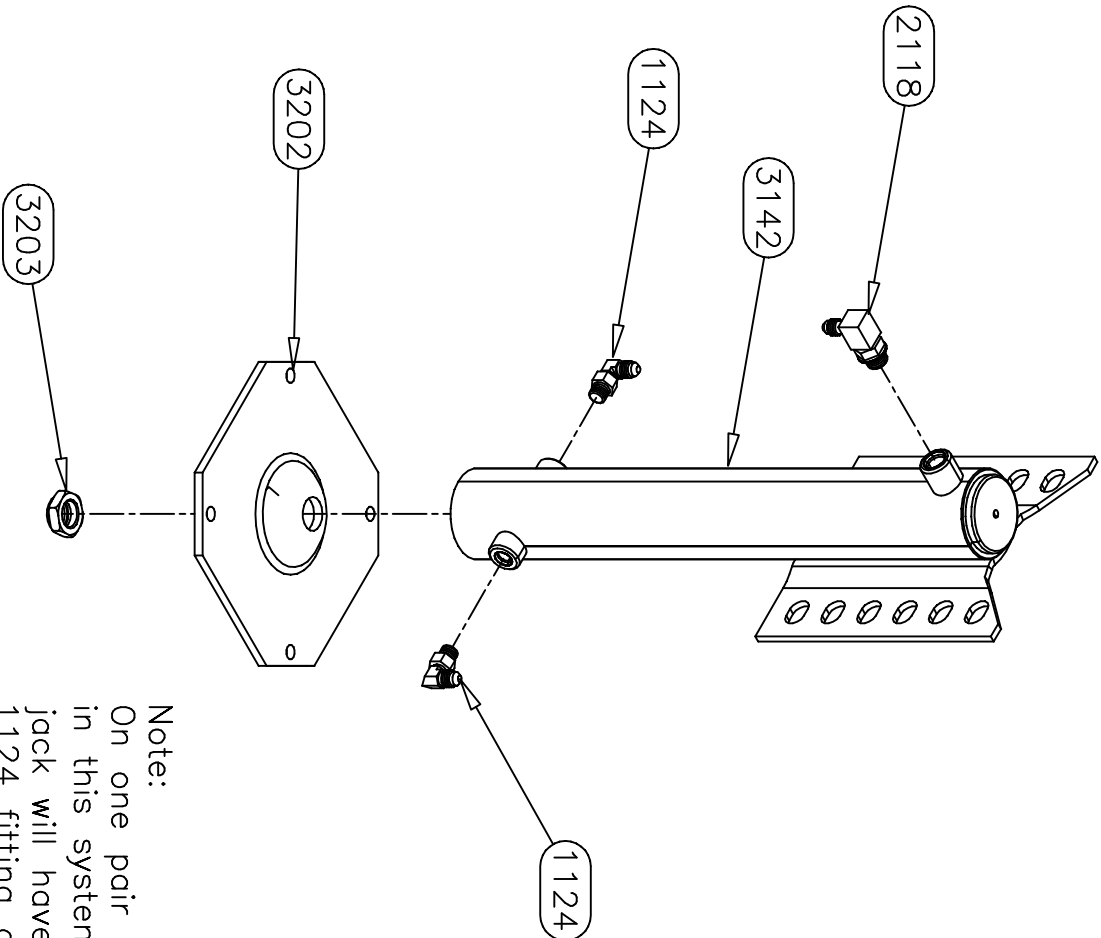
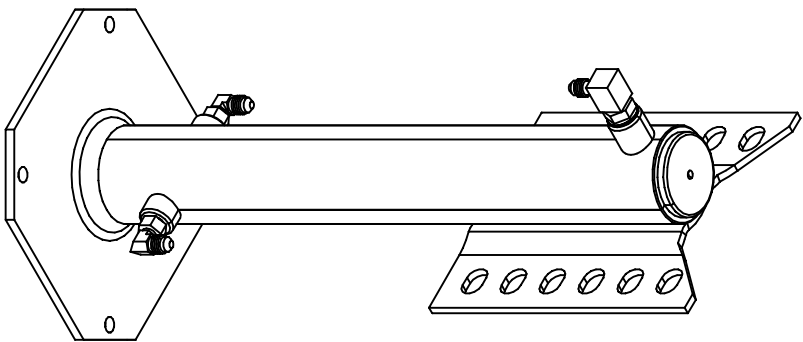


Note:
On each pair of jacks in this system, one jack will have (1) 1124 fitting and the other will have (2) 1124 fittings.

Equalizer		55169 COUNTY ROAD 3 ELKHART, IN 46515		#		REVISIONS		BY:		DATE:		UNLESS OTHERWISE SPECIFIED:		TITLE		USED ON:	
NOTICE - This drawing, including principles of design, is the property of Doye 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 Doye Corporation. Acceptance of this will be construed as an agreement of the above.		A		CHANGED TO MONARCH STYLE CYLINDER		SU		2/23/17		TOLERANCES:		MH 15 SL LEG ASSEMBLY		DYNAMAX		PART NAME:	
										.XXX ± 0.010		A 1: 1 AS		NOTED		MH 15 SL LEG ASSEMBLY	
										.XX ± 0.030		SU				PAGE:	
										ANG. ± 1/2"		9/6/16				2 OF 2	
										REMOVE ALL BURRS AND SHARP EDGES .015 MAX						P7636/7949	
																REV:	
																A	

7842 PARTS LIST

PART#	DESCRIPTION	QUAN
3142	CYLINDER-2 X 13 SL	1
3202	FOOT-SL 7 X 7	1
3203	NUT-3/4-16 NYLOCK JAM	1
FITTINGS REQ'D (FOR 4 JACKS)		
1124	FITTING-#4 JIC X #4 OR MALE 90	5
2118	FITTING-#6 OR X #4 JIC 90 RESTRICTOR	4



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

Equalizer

55169 COUNTRY 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 13 SL LEG ASSEMBLY
SIZE SCALE MATERIAL
A 1:1 AS

USED ON:
DYNAMAX SPRINTER CHASSIS

NOTED

PART NAME:

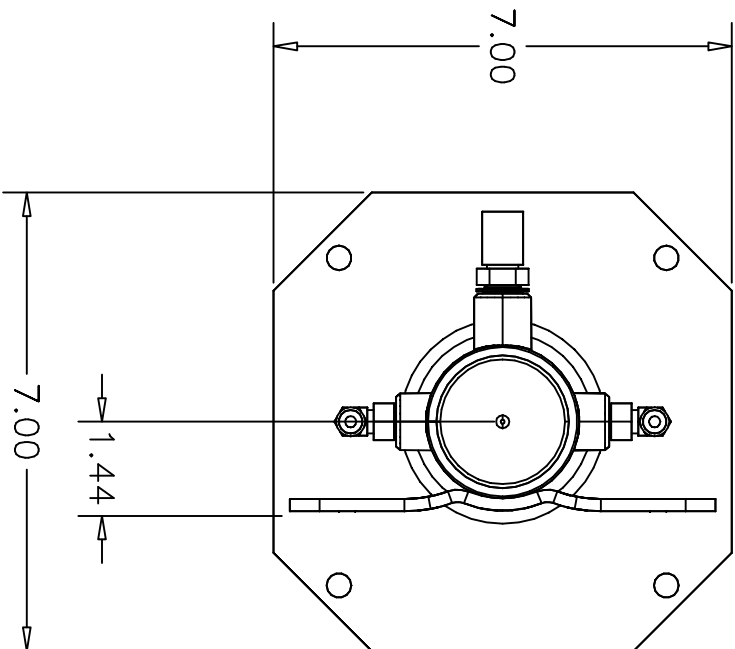
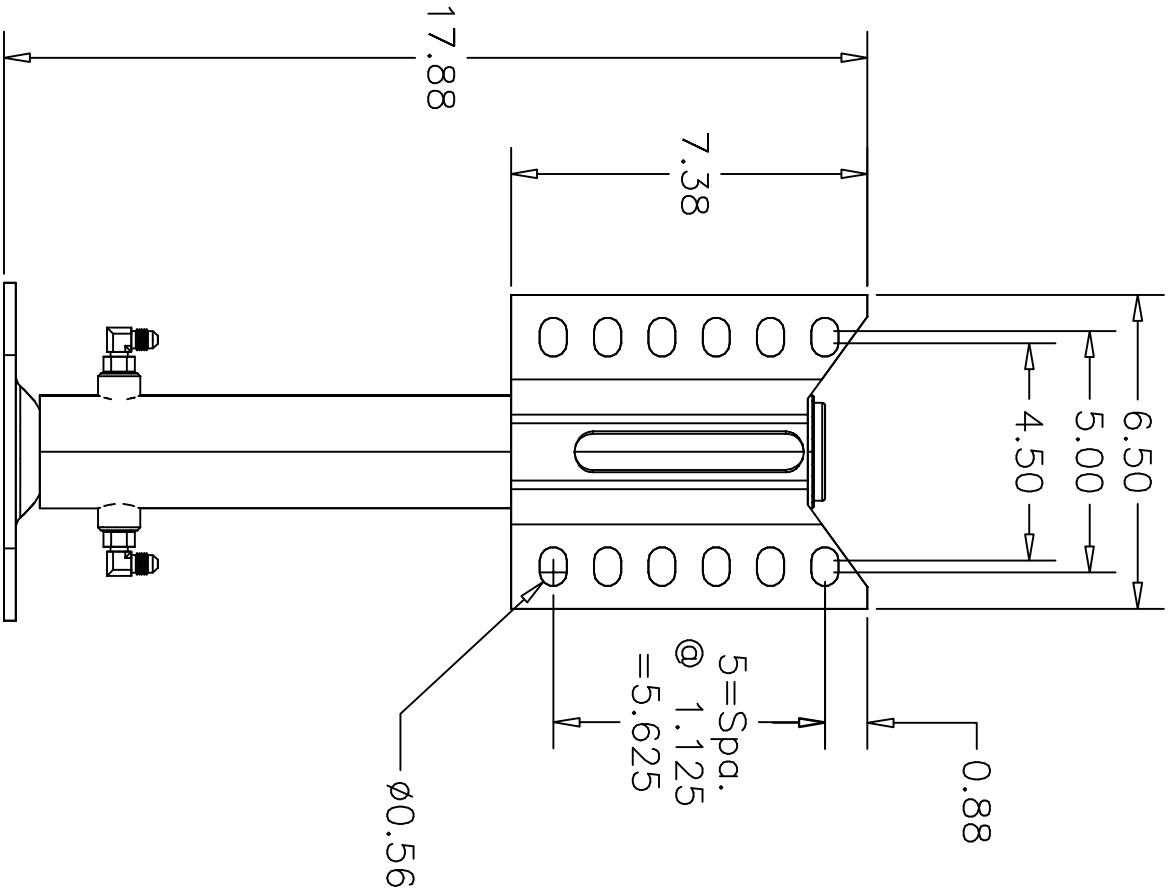
MH 13 SL LEG ASSEMBLY

PAGE:

1 OF 2

REV:

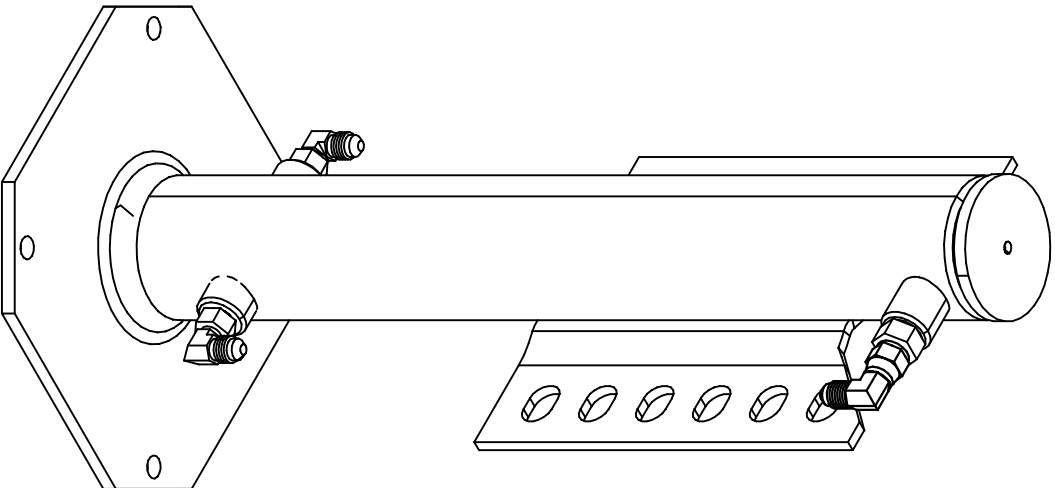
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<i>Equalizer</i>		55169 COUNTRY ROAD 3 ELKHART, IN 46515			
#	REVISIONS	BY:	DATE:		
UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2° REMOVE ALL BURRS AND SHARP EDGES .015 MAX				TITLE MH 13 SL LEG ASSEMBLY	USED ON: DYNAMAX SPRINTER CHASSIS
SIZE A	SCALE 1:1	MATERIAL AS	NOTED	PART NAME: MH 13 SL LEG ASSEMBLY	
DRW BY: SU	DATE: 2/23/17	DATE:		PAGE: 2 OF 2	DWG NO.: P7842
				REV:	

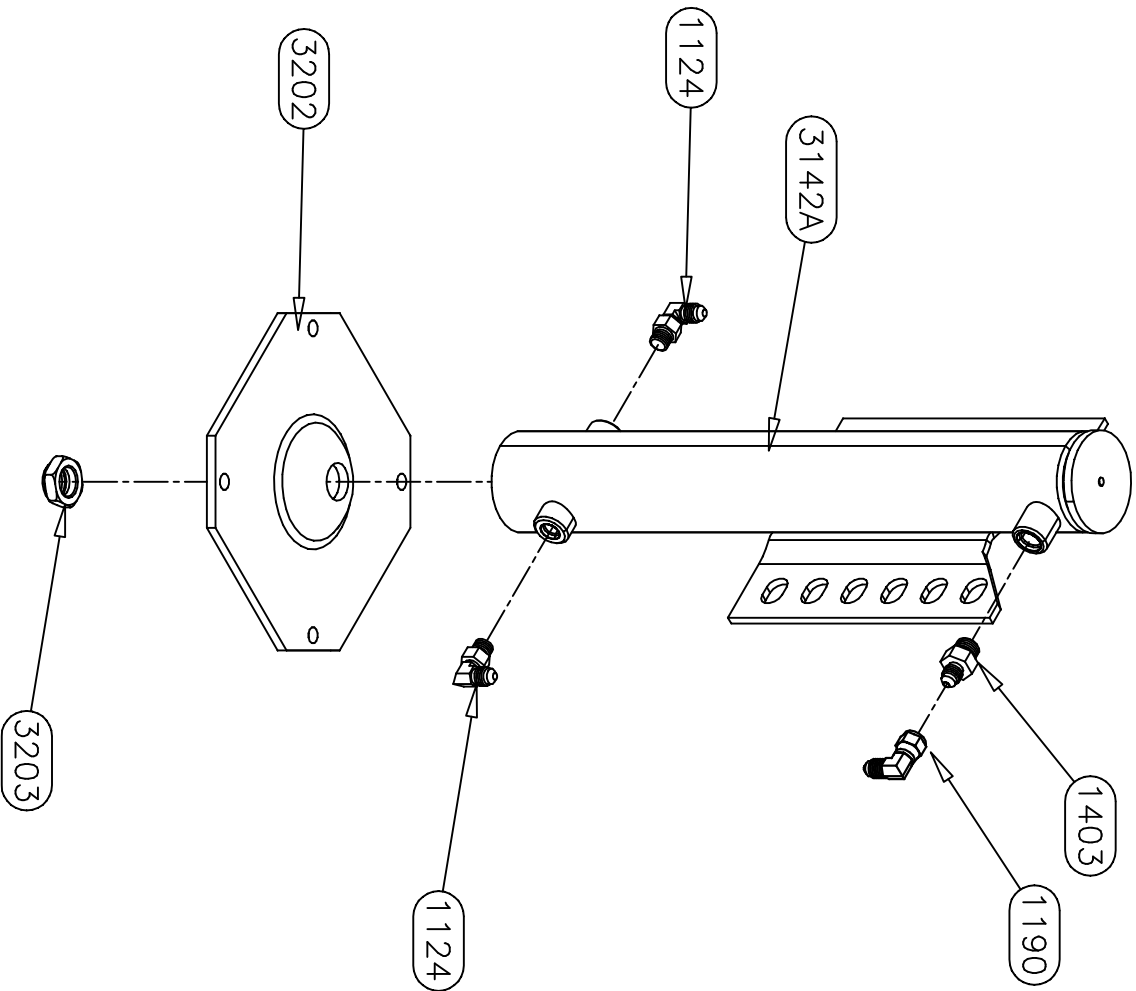
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7842A PARTS LIST (ONE JACK)		
PART#	DESCRIPTION	QUAN
3142A	CYLINDER-SL 2 X 13 LP	1
3202	FOOT-SL 7 X 7	1
3203	NUT-3/4-16 NYLOCK JAM	1
7949 PARTS LIST (FOUR JACKS)		
PART#	DESCRIPTION	QUAN
1124	FITTING-#4 JIC X #4 OR MALE 90	6
1190	FITTING-#4 X #4 JIC SWIVEL 90	4
1403	FITTING-RESTRICTOR #6 X #4-042" ORIFICE	4



Equalizer		55169 COUNTRY ROAD 3 ELKHART, IN 46515	
#	REVISIONS	BY:	DATE:
A	CHANGED TO MONARCH STYLE CYLINDER	SJ	2/23/17
UNLESS OTHERWISE SPECIFIED:		TITLE	
TOLERANCES:		SL 13 LEG ASSEMBLIES	
.XXX ± 0.010		SIZE SCALE MATERIAL	
.XX ± 0.010		A 1:1 AS	
.X ± 0.030		DRAW BY: DATE:	
ANG. ± 1/2"		SU 12/9/14	
REMOVE ALL BURRS AND SHARP EDGES .015 MAX		AP'D BY DATE:	
		—	
USED ON:		PART NAME:	
DYNAMAX		SL 13 LP LEG ASSEMBLY	
		PAGE: 1 OF 3	
		DWG NO.: P7842A-7949	
		REV: A	

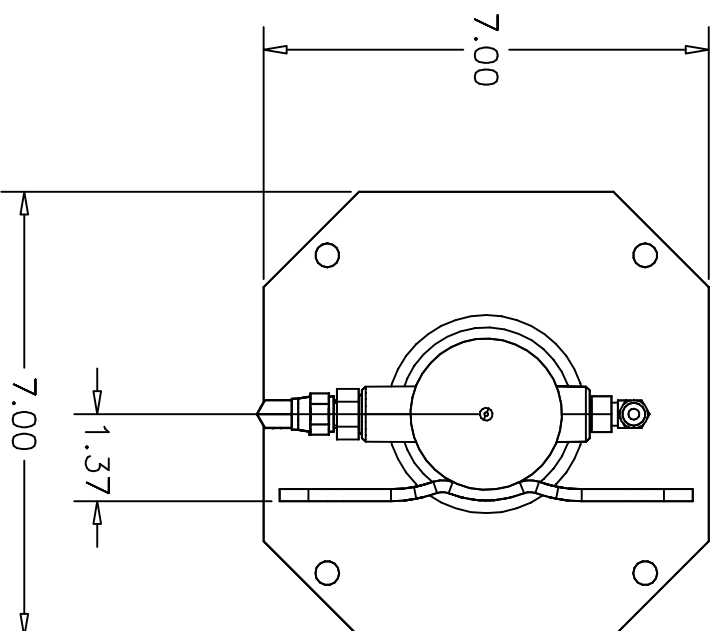
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In this system each pair of jacks (front and rear) will have one jack with (1) 1124 fitting and one jack with (2) 1124 fittings.

Equalizer		55169 COUNTRY ROAD 3 ELKHART, IN 46515		#	REVISIONS		BY:	DATE:	UNLESS OTHERWISE SPECIFIED:		TITLE		USED ON:	
				A	CHANGED TO MONARCH STYLE CYLINDER		SJ	2/23/17	TOLERANCES:		SL 13 LEG ASSEMBLIES		DYNAMAX	
									.XXX ± 0.010		SIZE SCALE MATERIAL		NOTED	
									.XX ± 0.010		A 1:1 AS			
									.X ± 0.030		DRW BY: DATE:		PART NAME:	
									ANG. ± 1/2"		12/9/14		SL 13 LP LEG ASSEMBLY	
									REMOVE ALL BURRS AND SHARP EDGES .015 MAX		AP'D BY DATE:		PAGE: 2 OF 3	
													DWG NO.: P7842A-7949	
													REV: A	

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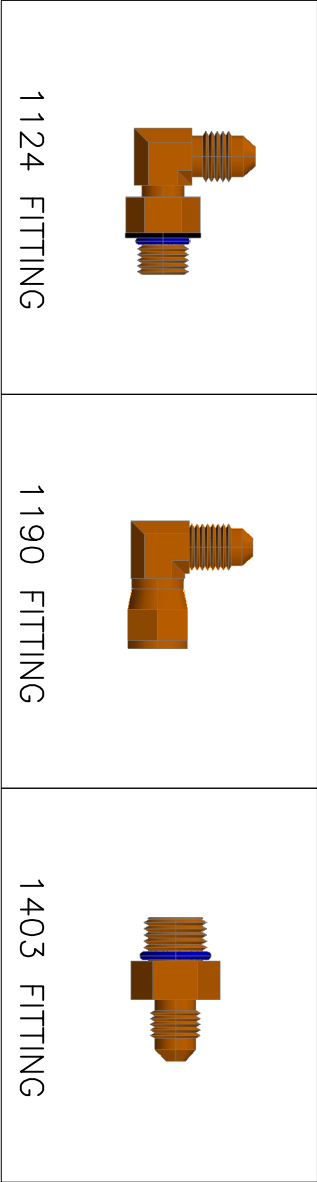
<i>Equalizer</i>	55169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED:	TITLE	USED ON:
		A	CHANGED TO MONARCH STYLE CYLINDER	SJ	2/23/17	TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2° REMOVE ALL BURNS AND SHARP EDGES .015 MAX	SL 13 LEG ASSEMBLIES	DYNAMAX
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							SIZE SCALE MATERIAL	
							A 1: 1 A S	
							DRW BY: DATE:	
							SJ 12/9/14	
							APP'D BY: DATE:	
							PART NAME:	
							SL 13 LP LEG ASSEMBLY	
							PAGE: DWG NO.: REV:	
							3 OF 3 P78A42A-7949 A	

7963 PARTS LIST

ITEM	PART #	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2463	HOSE-8'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
2	2463	HOSE-8'	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	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
5	2471	HOSE-16'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
6	2471	HOSE-16'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2471	HOSE-16'	1	ORANGE STRIPE	PUMP PORT B3 TO BOTTOM OF LR JACK
8	2475	HOSE-20'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK

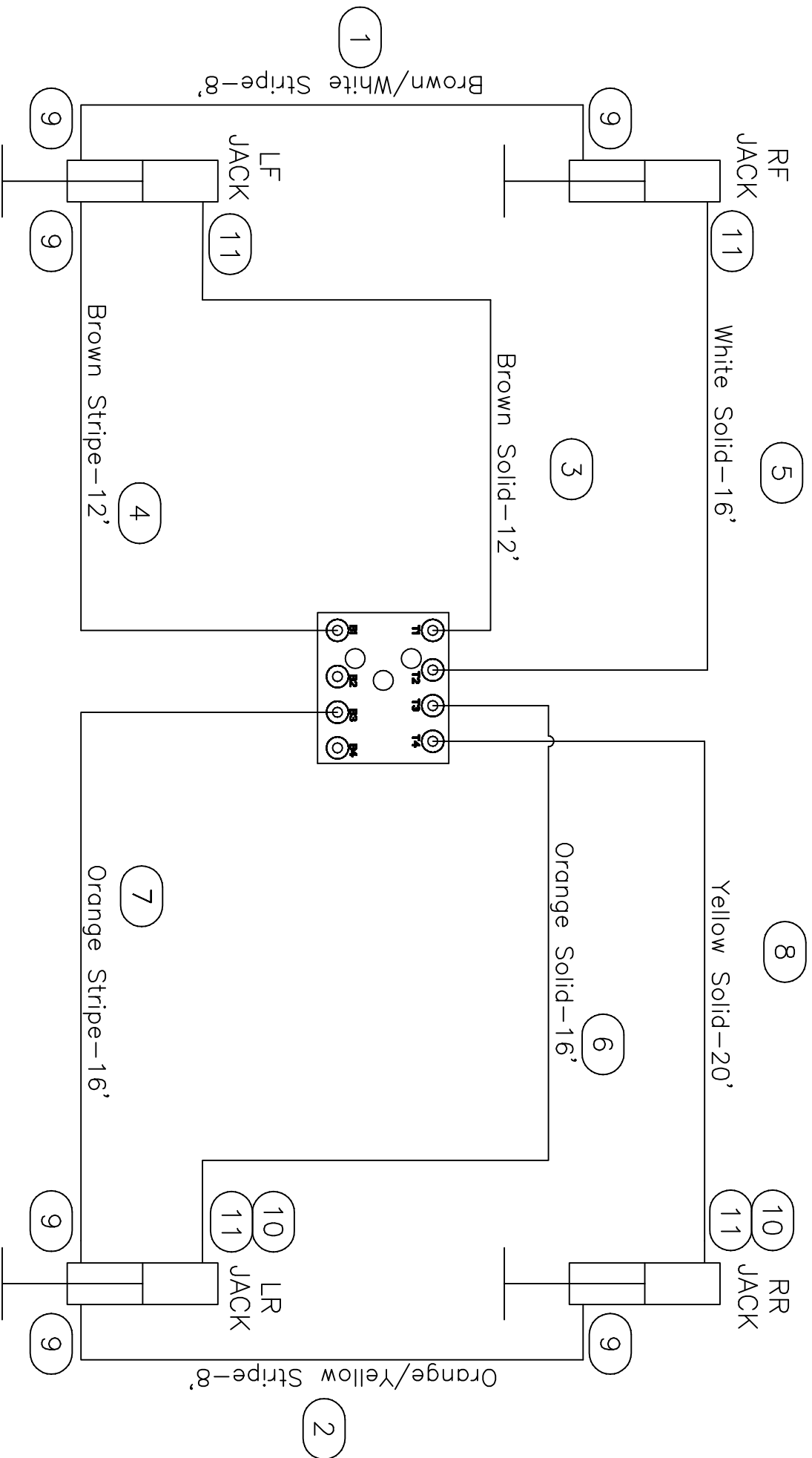
REQUIRED JACK FITTINGS

ITEM	PART #	DESCRIPTION	QUAN
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	2
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4



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

Equalizer 55169 COUNTRY ROAD 3 ELKHART, IN 46515	#	REVISIONS		BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.020 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE	DYNAMAX HOSE CHART	USED ON:			
	A	Added jack fittings.		SJ	5/10/17		SIZE SCALE	MATERIAL	ISATA 5 CHASSIS			
							DRW BY:	DATE:	PART NAME:			
							PSF	8/29/2016	HOSE KIT-DYNAMAX 8758			
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<i>Equalizer</i>		55169 COUNTRY ROAD 3 ELKHART, IN 46515		#		REVISIONS		BY:		DATE:		TITLE		USED ON:	
				A		Added jack fittings.		SJ		5/10/17		DYNAMAX HOSE CHART		ISATA 5 CHASSIS	
												SIZE SCALE MATERIAL		NOTED	
												A N/A A S			
												DRW BY: DATE:		PART NAME:	
												PSF 8/29/2016		HOSE KIT-DYNAMAX 8758	
												AP'D BY DATE:		PAGE: 2 OF 2	
														DWG NO.: P7963	
														REV: A	

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
.XXX ± 0.010
.XX ± 0.020
.X ± 1/2"
ANG. ± 1/2"
REMOVE ALL BURRS AND SHARP EDGES .015 MAX

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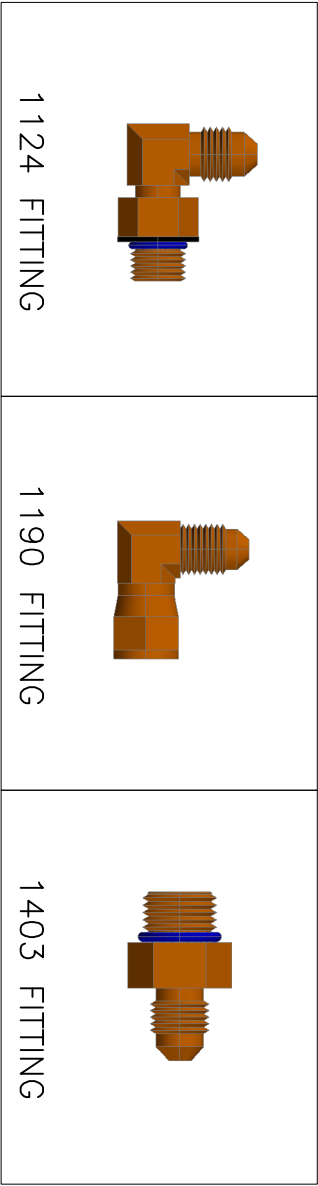
Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

70024 PARTS LIST

ITEM	PART #	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
2	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
3	2467	HOSE-12'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
4	2467	HOSE-12'	1	ORANGE STRIPE	PUMP PORT B3 TO BOTTOM OF LR JACK
5	2469	HOSE-14'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
6	2471	HOSE-16'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
7	2471	HOSE-16'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
8	2473	HOSE-18'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK

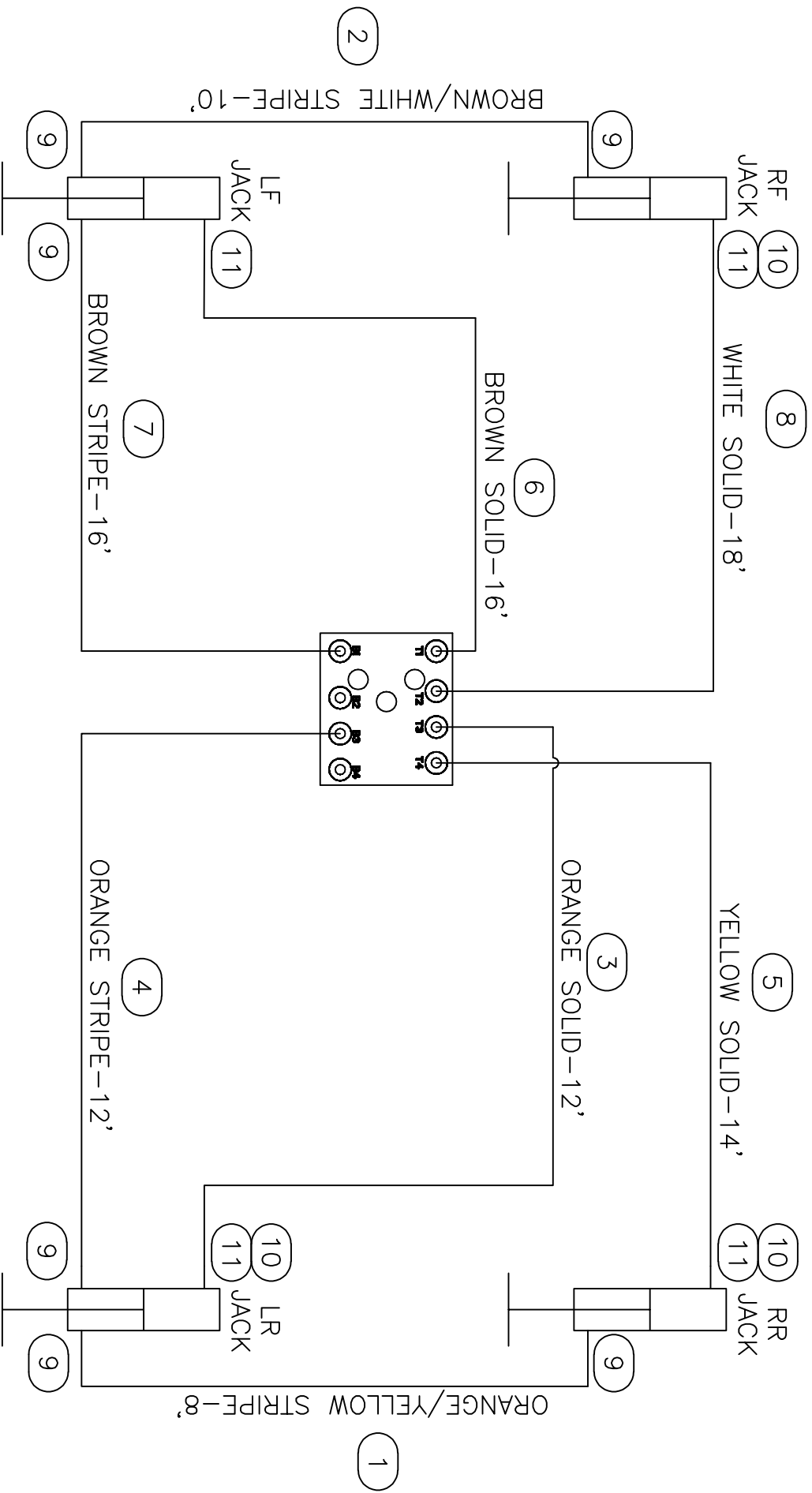
REQUIRED JACK FITTINGS

ITEM	PART #	DESCRIPTION	QUAN
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	3
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4



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

Equalizer 55169 COUNTRY ROAD 3 ELKHART, IN 46515	#	REVISIONS		BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.020 .X ± 1/2" ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE	DYNAMAX HOSE CHART	USED ON:			
	A	Added jack fittings		SJ	5/10/17		SIZE SCALE	MATERIAL	ISATA 4 CHASSIS			
							A	1:1	AS			
							DRW BY:	DATE:	PART NAME:			
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Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

<i>Equalizer</i>		55169 COUNTRY ROAD 3 ELKHART, IN 46515		#		REVISIONS		BY:		DATE:		TITLE		USED ON:	
				A		Added jack fittings		SJ		5/10/17		DYNAMAX HOSE CHART		ISATA 4 CHASSIS	
												SIZE SCALE MATERIAL		NOTED	
												A N/A AS			
												DRW BY: DATE:		PART NAME:	
												PSF 8/23/2016		HOSE KIT-DYNAMAX 8772	
												AP'D BY DATE:		PAGE: 2 OF 2	
														DWG NO.: P70024	
														REV: A	

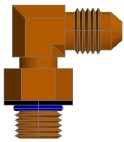
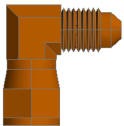
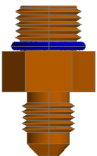
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70029 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
2	2465	HOSE-10'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
3	2469	HOSE-14'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
4	2469	HOSE-14'	1	ORANGE STRIPE	PUMP PORT B3 TO BOTTOM OF LR JACK
5	2471	HOSE-16'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
6	2471	HOSE-16'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
7	2473	HOSE-18'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2475	HOSE-20'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK

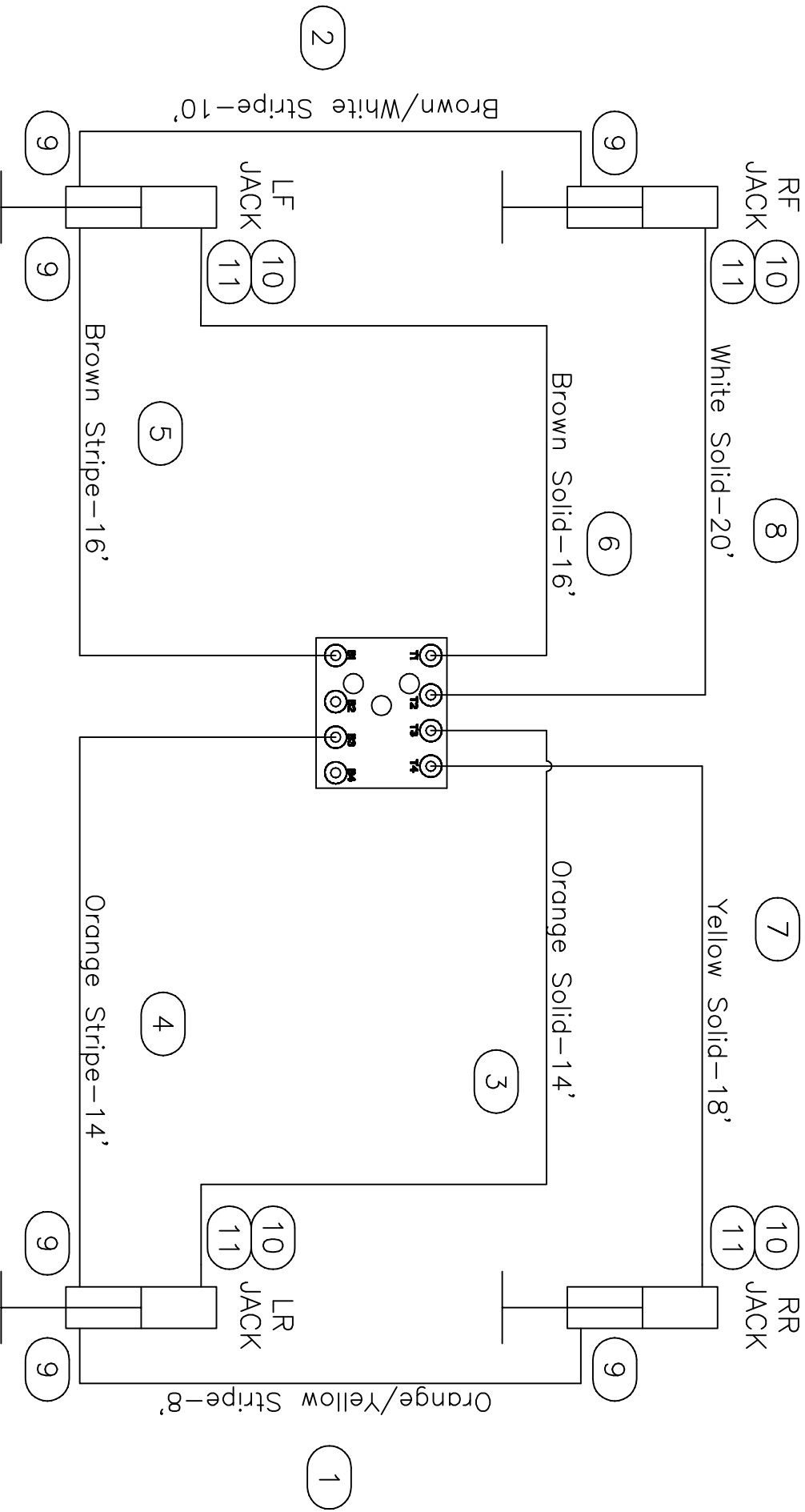
REQUIRED JACK FITTINGS

ITEM	PART#	DESCRIPTION	QUAN
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6
10	1190	FITTING-#4 X #4 JIC SWVEL 90	4
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4

		
1124 FITTING	1190 FITTING	1403 FITTING

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

Equalizer 55169 COUNTRY ROAD 3 ELKHART, IN 46515	#	REVISIONS		BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.030 .X ± 0.050 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX	TITLE	DYNAMAX HOSE CHART	USED ON:			
	A	Added jack fittings.		SJ	5/10/17		SIZE SCALE	MATERIAL	DX3 CHASSIS			
							A	1:1	AS			
							DRW BY:	DATE:	PART NAME:			
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<i>Equalizer</i>			55169 COUNTRY ROAD 3 ELKHART, IN 46515			#		
						A		
			REVISIONS			BY:		
			Added jack fittings.			SU		
						DATE:		
						5/10/17		
			UNLESS OTHERWISE SPECIFIED:			TITLE		
			TOLERANCES:			DYNAMAX HOSE CHART		
			.XXX ± 0.010			SIZE SCALE MATERIAL		
			.XX ± 0.010			A N/A A S		
			.X ANG. ± 1/2"			DRW BY: DATE:		
			REMOVE ALL BURRS AND SHARP EDGES .015 MAX			PSF 8/24/2016		
						AP'D BY DATE:		
						—		
						PART NAME:		
						HOSE KIT-DYNAMAX 8085		
						PAGE: 2 OF 2		
						DWG NO.: P70029		
						REV: A		

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

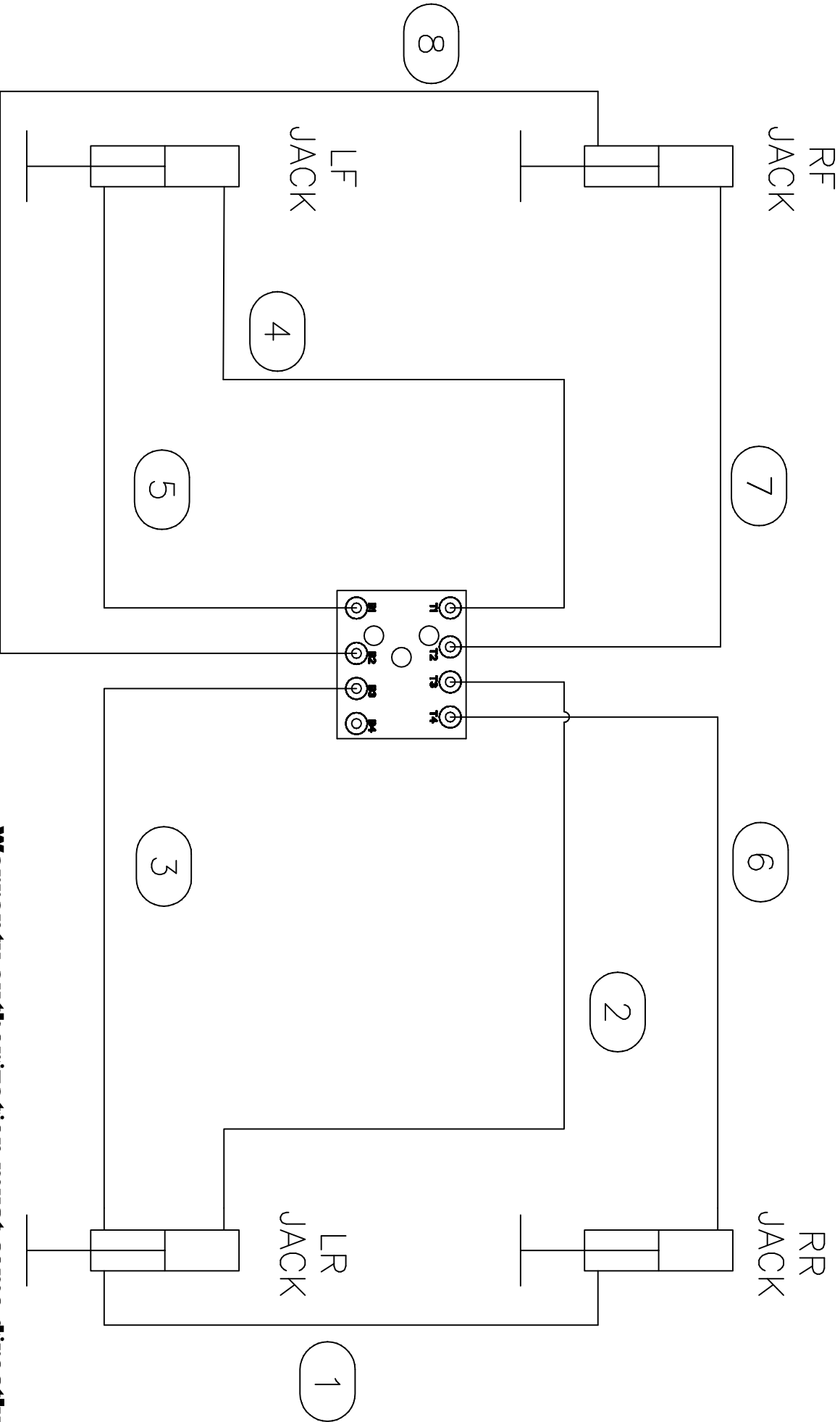
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70053 PARTS LIST

ITEM	PART #	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2461	HOSE-6'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
2	2465	HOSE-10'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
3	2465	HOSE-10'	1	ORANGE STRIPE	PUMP PORT B3 TO BOTTOM OF LR JACK
4	2465	HOSE-10'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
5	2465	HOSE-10'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
6	2465	HOSE-10'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
7	2467	HOSE-12'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
8	2467	HOSE-12'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK

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: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX		TITLE DYNAMAX HOSE CHART		USED ON: ISATA 3 CHASSIS	
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<i>Equalizer</i>		55169 COUNTY ROAD 3 ELKHART, IN 46515			
#	REVISIONS	BY:	DATE:		
UNLESS OTHERWISE SPECIFIED:				TITLE	
TOLERANCES:				DYNAMAX HOSE CHART	
.XXX ± 0.010				SIZE SCALE	MATERIAL
.XX ± 0.010				A	N/A
.X ± 0.030				DRW BY:	DATE:
ANG. ± 1/2"				SU	2/23/17
REMOVE ALL BURRS AND SHARP EDGES .015 MAX				AP'D BY	DATE:
				—	—
				USED ON:	
				ISATA 3 CHASSIS	
				NOTED	
				PART NAME:	HOSE KIT—DYNAMAX—8757DYN
				PAGE:	2 OF 2
				DWG NO.:	P70053
				REV:	—

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

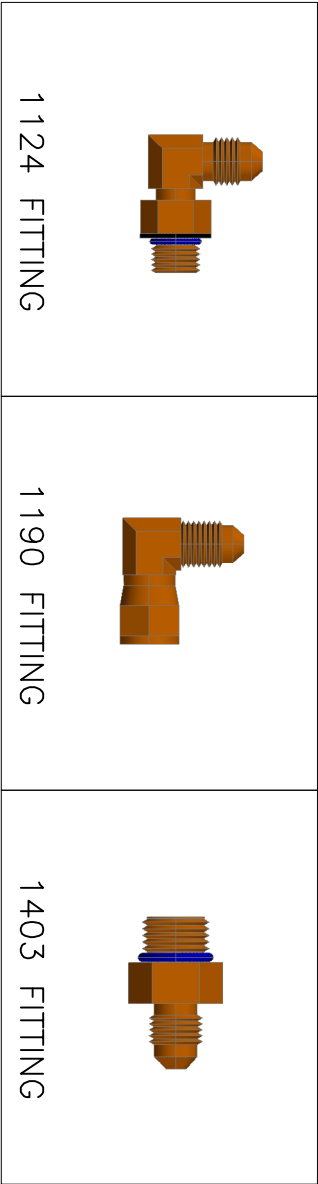
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70066 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
2	2463	HOSE-8'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
3	2467	HOSE-12'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
4	2467	HOSE-12'	1	ORANGE STRIPE	PUMP PORT B3 TO BOTTOM OF LR JACK
5	2471	HOSE-16'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
6	2471	HOSE-16'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
7	2471	HOSE-16'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2475	HOSE-20'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK

REQUIRED JACK FITTINGS

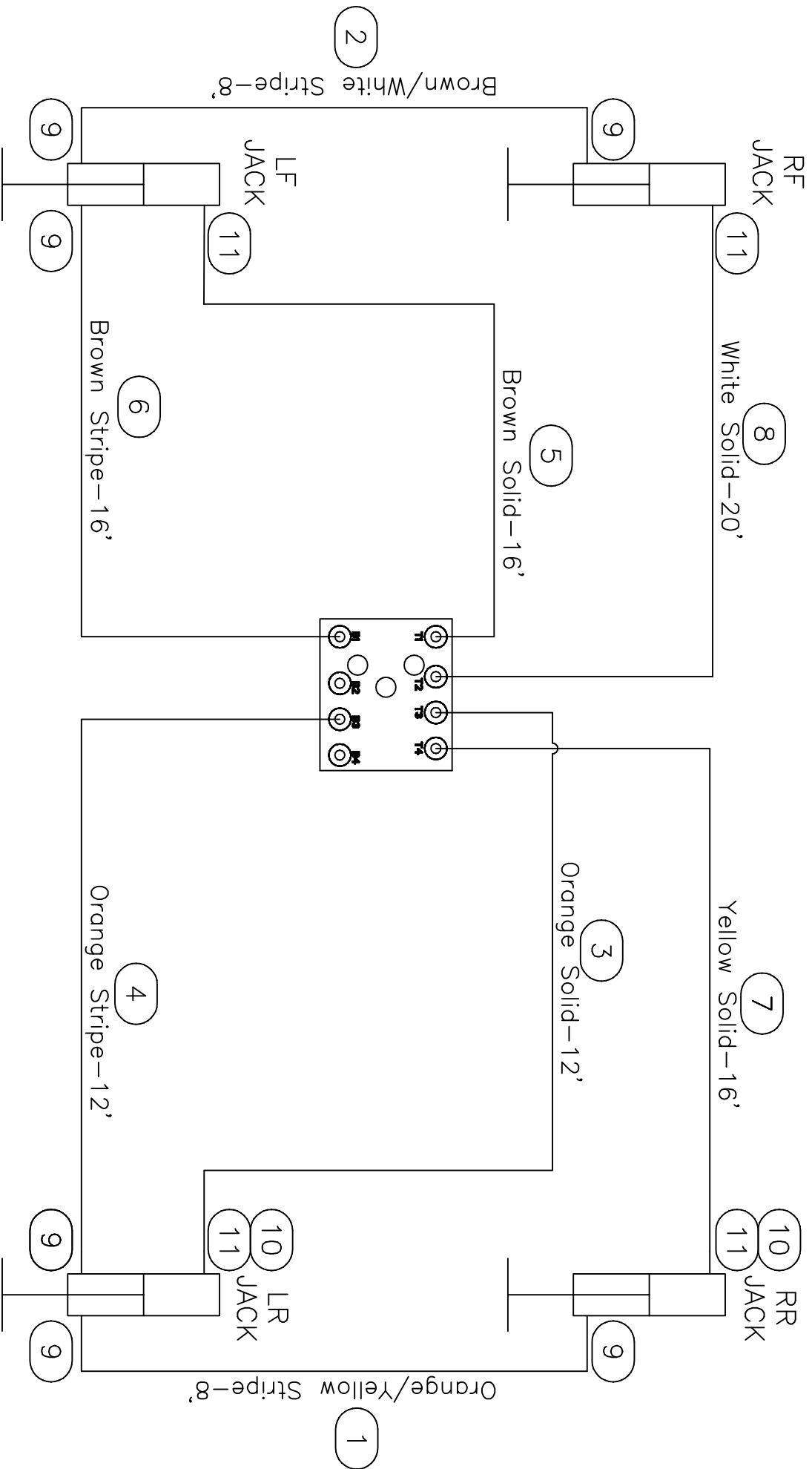
ITEM	PART#	DESCRIPTION	QUAN
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	2
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4



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

Equalizer 55169 COUNTRY ROAD 3 ELKHART, IN 46515		#	REVISIONS		BY:	DATE:	UNLESS OTHERWISE SPECIFIED:		TITLE	USED ON:	
		A	Added jack fittings		SJ	5/10/17	TOLERANCES:		DYNAMAX HOSE CHART	ISATA 5 (30FW) CHASSIS	
							.XXX ± 0.010		SIZE SCALE	MATERIAL	
							.XX ± 0.020		A	1:1	
							.X ± 1/2"		DRW BY:	DATE:	
							REMOVE ALL BURRS AND SHARP EDGES .015 MAX		SJ	2/23/17	
									AP'D BY	DATE:	
									—	—	
										PART NAME:	
										HOSE KIT-DYNAMAX 8758A	
									PAGE:	DWG NO.:	
									1 OF 2	P70066	
										REV:	
										A	

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<i>Equalizer</i>		55169 COUNTY ROAD 3 ELKHART, IN 46515		#		REVISIONS		BY:		DATE:		TITLE		USED ON:	
				A		Added jack fittings		SU		5/10/17		DYNAMAX HOSE CHART		ISATA 5 (30FW) CHASSIS	
												SIZE SCALE MATERIAL		NOTED	
												DRW BY: DATE:		PART NAME:	
												SU		2/23/17	
												APPD BY DATE:		HOSE KIT-DYNAMAX 8758A	
												PAGE: 2 OF 2		DWG NO.: P700066	
														REV: A	

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

NOTICE – This drawing, including principles of design, is the property of Doye 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 Doye Corporation. Acceptance of this will be construed as an agreement of the above.

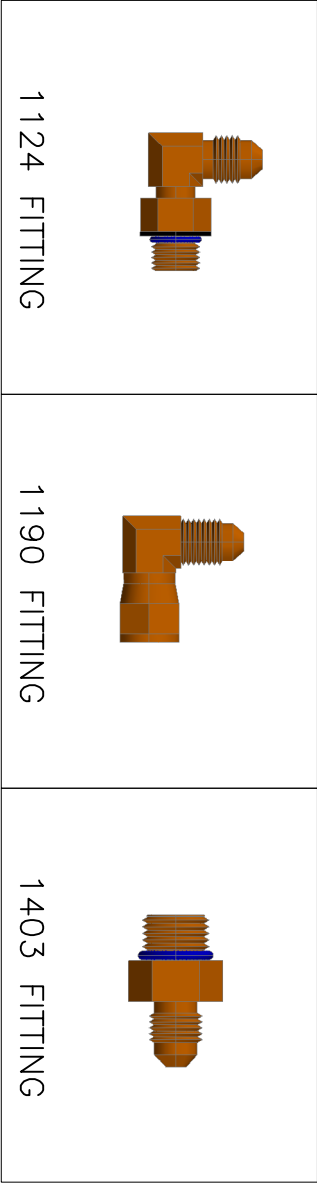
Warranty authorization must come directly from Equalizer Systems. (800) 846-9659.

70066 PARTS LIST

ITEM	PART#	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
2	2463	HOSE-8'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
3	2467	HOSE-12'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2467	HOSE-12'	1	BROWN STRIPE	PUMP PORT B1 TO BOTTOM OF LF JACK
5	2471	HOSE-16'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
6	2471	HOSE-16'	1	ORANGE STRIPE	PUMP PORT B3 TO BOTTOM OF LR JACK
7	2471	HOSE-16'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
8	2475	HOSE-20'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK

REQUIRED JACK FITTINGS

ITEM	PART#	DESCRIPTION	QUAN
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	2
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4



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

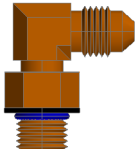
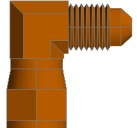
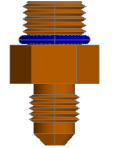
Equalizer		55169 COUNTRY ROAD 3 ELKHART, IN 46515	
#	REVISIONS	BY:	DATE:
A	Added jack fittings	SJ	5/10/17
B	Front to rear jack lengths swapped starting unit 2179	SJ	9/12/17
UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XX ± 0.010 .X ± 0.020 ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX		TITLE DYNAMAX HOSE CHART SIZE SCALE MATERIAL A 1:1 A S DRAW BY: DATE: 2/23/17 SU AP'D BY: DATE: USED ON: ISATA 5 (30FW) CHASSIS	
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70089 PARTS LIST

ITEM	PART #	DESCRIPTION	QUAN	COLOR CODE	LOCATION
1	2463	HOSE-8'	1	BROWN STRIPE/WHITE STRIPE	BOTTOM OF LF JACK TO BOTTOM OF RF JACK
2	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2482	HOSE-32'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2535	HOSE-28'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
5	2535	HOSE-28'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK
6	2467	HOSE-12'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2463	HOSE-8'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2463	HOSE-8'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

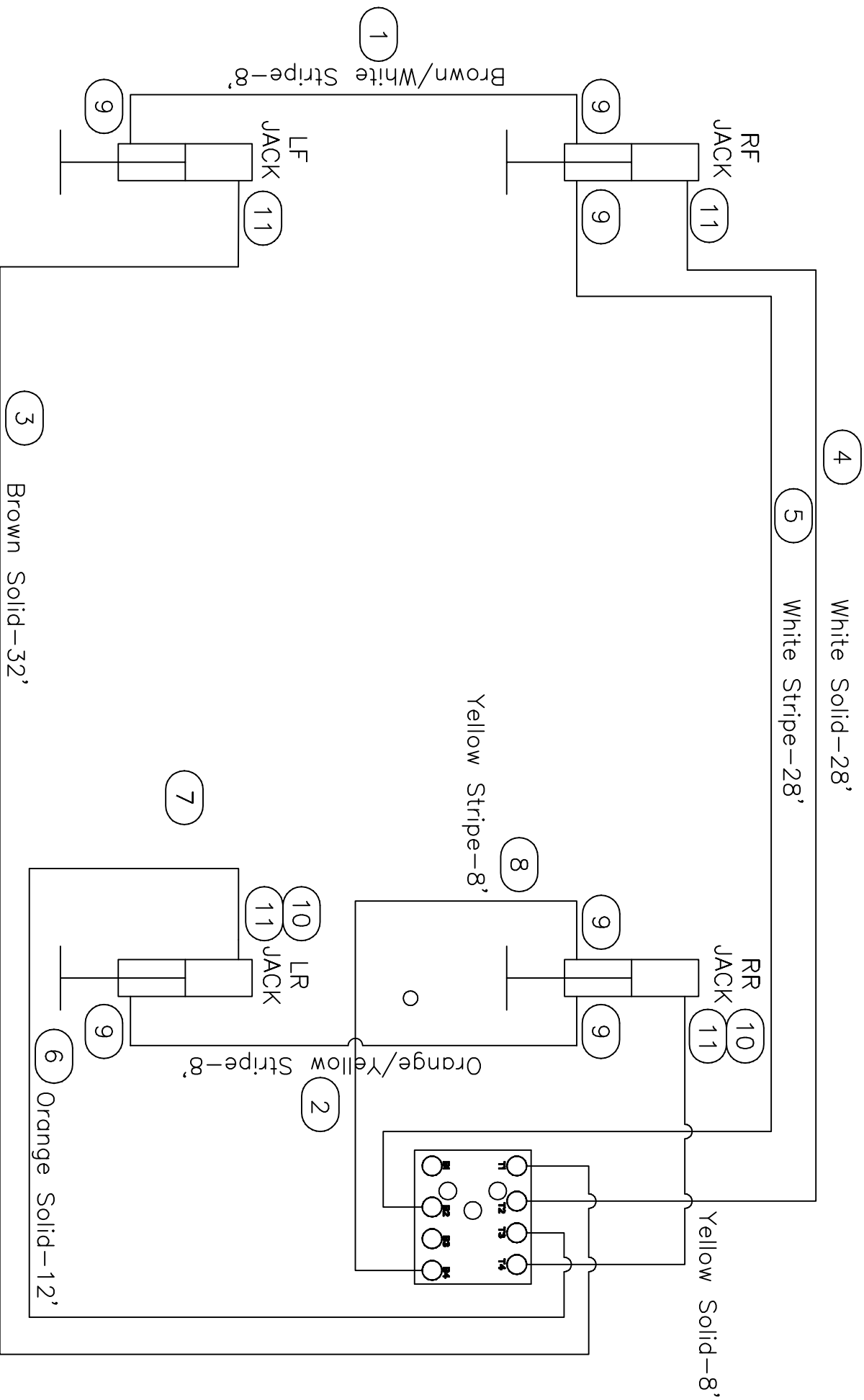
REQUIRED JACK FITTINGS

ITEM	PART #	DESCRIPTION	QUAN	
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6	
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	2	
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4	

		
1124 FITTING	1190 FITTING	1403 FITTING

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

Equalizer	55169 COUNTRY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.030 .X ± 1/2" ANG. ± 1/2" REMOVE ALL BURRS AND SHARP EDGES .015 MAX		TITLE DYNAMAX HOSE CHART	USED ON: ISATA 5 CHASSIS
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							DRW BY: DATE: 1/19/18	PART NAME: HOSE KIT-DYNAMAX 8628	
							APPROVED BY: DATE:	PAGE: 1 OF 2	REV: DWG NO.: P70089



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

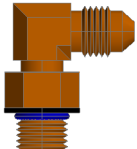
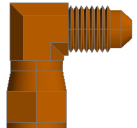
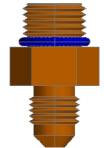
<div>Equalizer</div> <div>NOTICE — This drawing, including principles of design, is the property of Days Corporation, Elkhart, Indiana, with the agreement that it is not to be reproduced, copied, or loaned in any manner that may constitute a detriment directly or indirectly to Days Corporation. Acceptance of this will be construed as an agreement of the above.</div>	53169 COUNTY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	<div>UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/32 REMOVE ALL BURRS AND SHARP EDGES .015 MAX</div>	TITLE DYNAMAX HOSE CHART	USED ON: ISATA 5 CHASSIS	
							SIZE SCALE MATERIAL A N/A S	NOTED PART NAME: HOSE KIT—DYNAMAX 8628	
							DRW BY: DATE: SU 1/19/18		
							APPD BY: DATE: — —		PAGE: 2 OF 2
							DWG NO.: P70089		REV: —

70278 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	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2535	HOSE-28'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2478	HOSE-24'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
5	2478	HOSE-24'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK
6	2467	HOSE-12'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2463	HOSE-8'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2463	HOSE-8'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

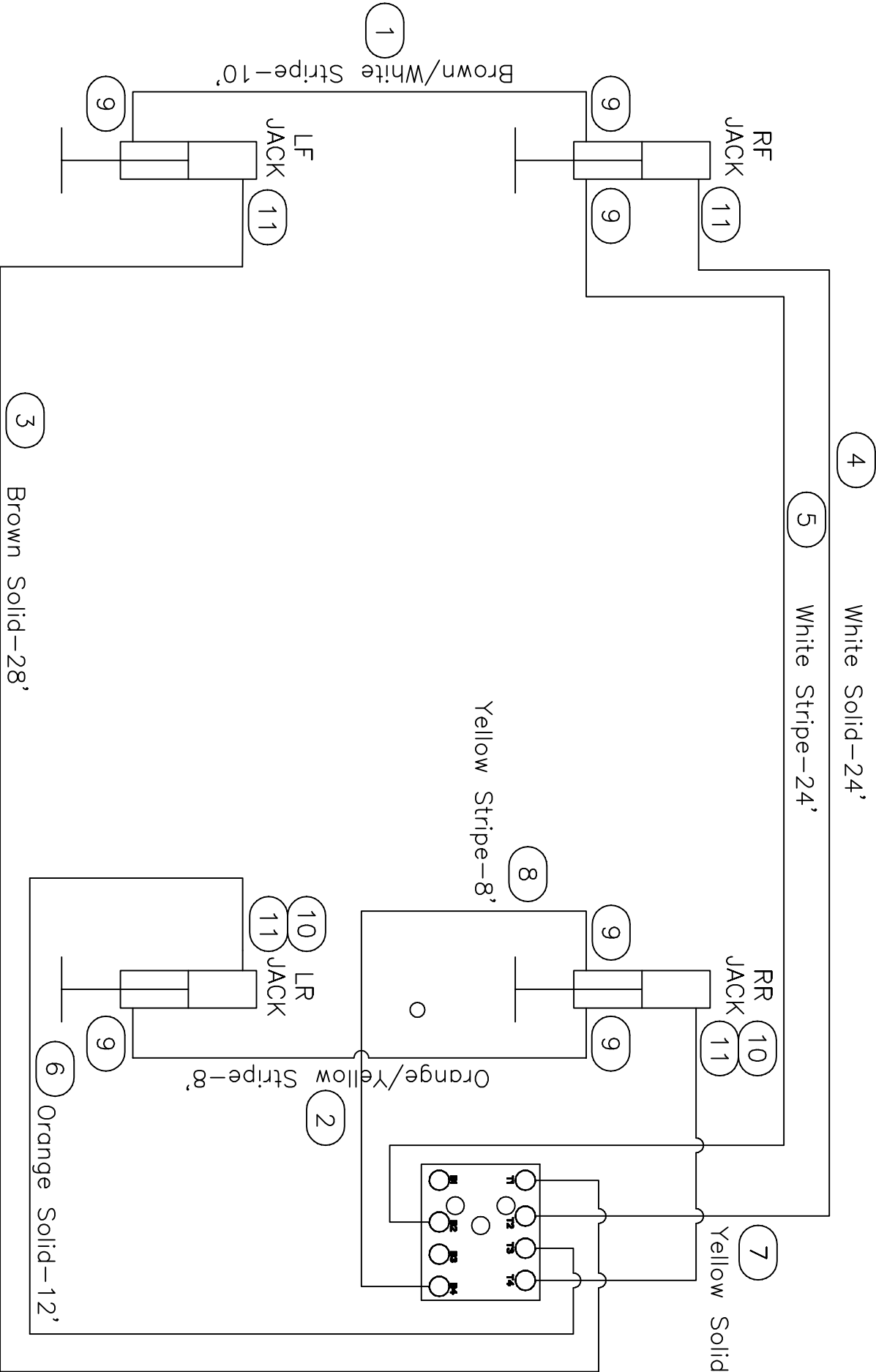
REQUIRED JACK FITTINGS

ITEM	PART #	DESCRIPTION	QUAN	
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6	
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	2	
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4	

		
1124 FITTING	1190 FITTING	1403 FITTING

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

Equalizer	55169 COUNTRY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.030 .X ± 0.050 ANG. ± 1/2° REMOVE ALL BURRS AND SHARP EDGES .015 MAX		TITLE DYNAMAX HOSE CHART	USED ON: EUROPA CHASSIS
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								DRW BY: DATE: 7/29/20	PART NAME: HOSE KIT-DYNAMAX 8856A
								AP'D BY: DATE:	PAGE: 1 OF 2 DWG NO.: P70278 REV: -



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

<i>Equalizer</i>			55169 COUNTY ROAD 3 ELKHART, IN 46515		
#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED:	
				TOLERANCES:	
				.XXX ± 0.010	
				.XX ± 0.010	
				.X ± 0.020	
				ANG. ± 1/2°	
				REMOVE ALL BURRS AND SHARP EDGES .015 MAX	
TITLE		DYNAMAX HOSE CHART		USED ON:	
SIZE SCALE		MATERIAL		EUROPA CHASSIS	
A N/A		A S		NOTED	
DRW BY:		DATE:		PART NAME:	
SU		7/29/20		HOSE KIT-DYNAMAX 8856A	
AP'D BY		DATE:		PAGE:	
—		—		2 OF 2	
				DWG NO.: P70278	
				REV:	
				—	

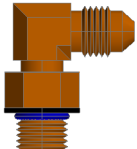
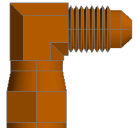
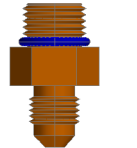
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70278 PARTS LIST

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	2463	HOSE-8'	1	ORANGE STRIPE/YELLOW STRIPE	BOTTOM OF LR JACK TO BOTTOM OF RR JACK
3	2535	HOSE-28'	1	BROWN SOLID	PUMP PORT T1 TO TOP OF LF JACK
4	2478	HOSE-24'	1	WHITE SOLID	PUMP PORT T2 TO TOP OF RF JACK
5	2478	HOSE-24'	1	WHITE STRIPE	PUMP PORT B2 TO BOTTOM OF RF JACK
6	2467	HOSE-12'	1	ORANGE SOLID	PUMP PORT T3 TO TOP OF LR JACK
7	2463	HOSE-8'	1	YELLOW SOLID	PUMP PORT T4 TO TOP OF RR JACK
8	2463	HOSE-8'	1	YELLOW STRIPE	PUMP PORT B4 TO BOTTOM OF RR JACK

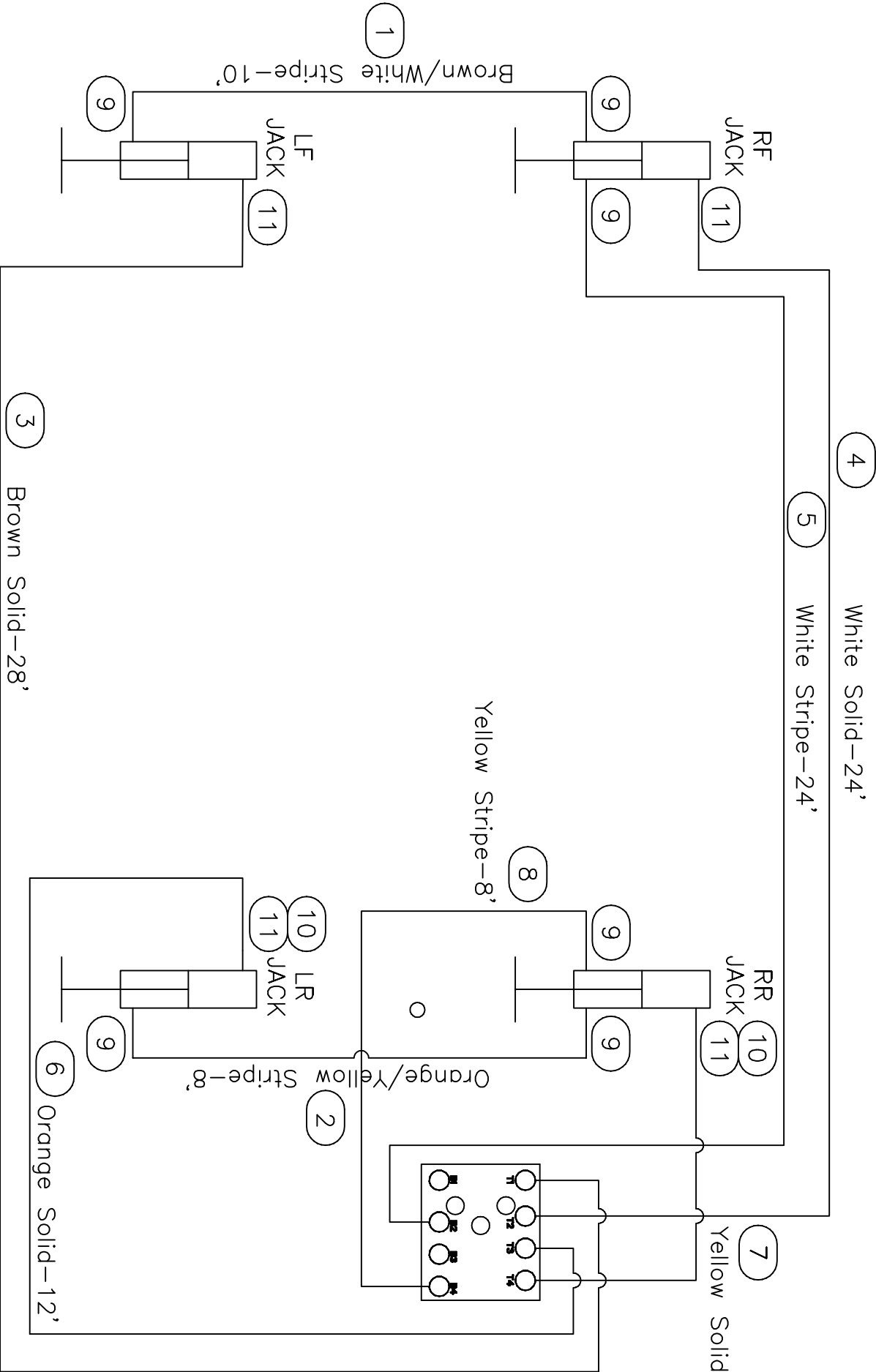
REQUIRED JACK FITTINGS

ITEM	PART #	DESCRIPTION	QUAN
9	1124	FITTING-#4 JIC X #4 OR MALE 90	6
10	1190	FITTING-#4 X #4 JIC SWIVEL 90	2
11	1403	FITTING-RESTRICTOR #6 X #4-042 ORIFICE	4

		
1124 FITTING	1190 FITTING	1403 FITTING

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

Equalizer	55169 COUNTRY ROAD 3 ELKHART, IN 46515	#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.030 .X ± 0.050 ANG. ± 1/2° REMOVE ALL BURRS AND SHARP EDGES .015 MAX		TITLE DYNAMAX HOSE CHART	USED ON: EUROPA CHASSIS
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								DRW BY: DATE: 7/29/20	PART NAME: HOSE KIT-DYNAMAX 8856A
								APPROVED BY: DATE:	PAGE: 1 OF 2 DWG NO.: P70278 REV: -



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

<i>Equalizer</i>		55169 COUNTY ROAD 3 ELKHART, IN 46515		#		REVISIONS		BY:		DATE:		UNLESS OTHERWISE SPECIFIED:		TITLE		USED ON:	
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												.XXX ± 0.010		SIZE SCALE MATERIAL		NOTED	
												.XX ± 0.010		A N/A S			
												.X ± 0.020		DRW BY: DATE:		PART NAME:	
												ANG. ± 1/2"		SU 7/29/20		HOSE KIT-DYNAMAX 8856A	
												REMOVE ALL BURRS AND SHARP EDGES .015 MAX		AP'D BY DATE:		PAGE: 2 OF 2	
																DWG NO.: P70278	
																REV:	

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

Equalizer

55169 COUNTRY 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
4 FUNCTION PUMP

USED ON:

DNAMAX

SIZE SCALE MATERIAL

A 1:1

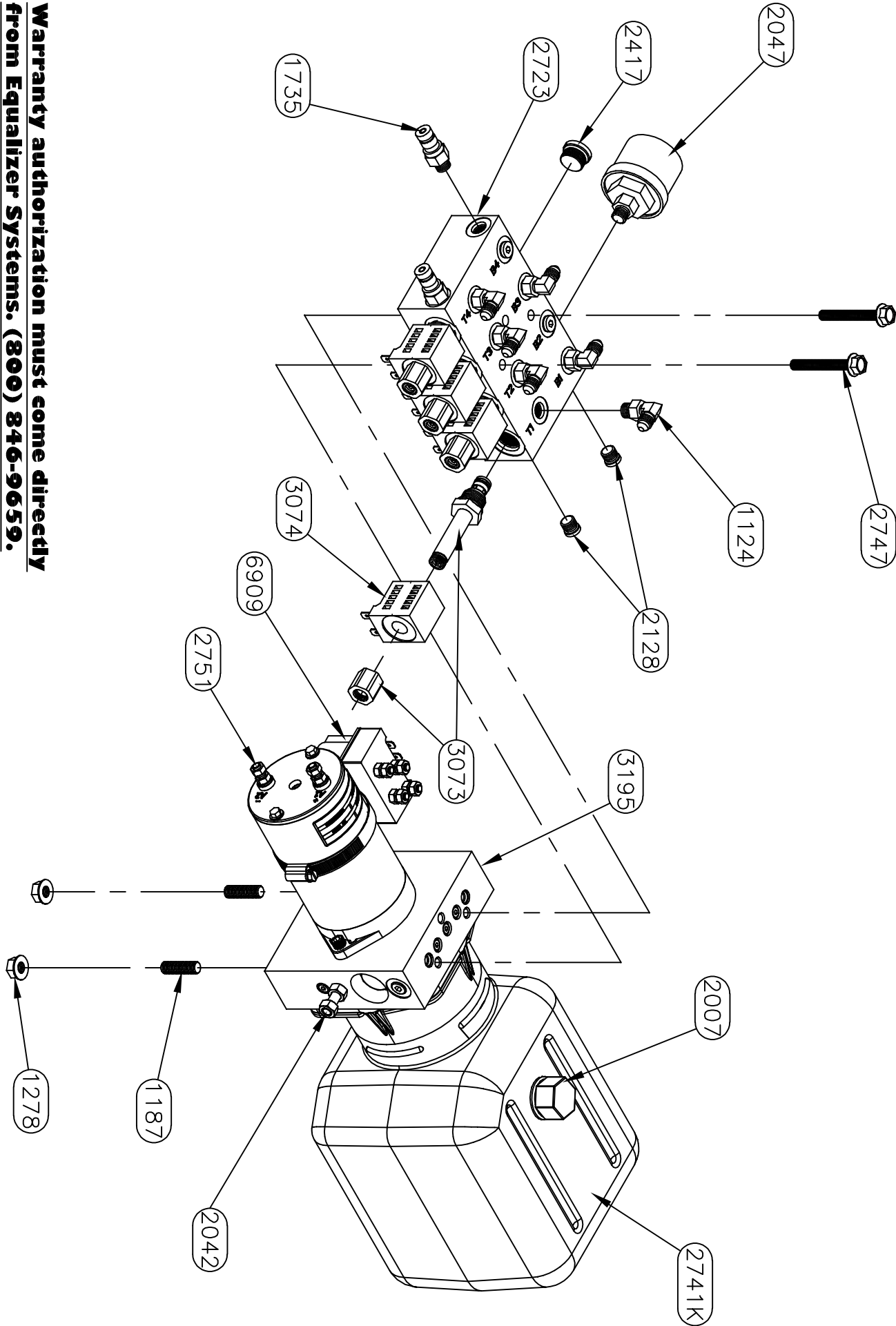
DRW BY: DATE:

SU 12/10/14

AP'D BY DATE:

—

PART NAME: PUMP & MAN 4 FUNC BIROT 3 IN-FRD
PAGE: 2 OF 2 DWG NO.: P7948
REV: —

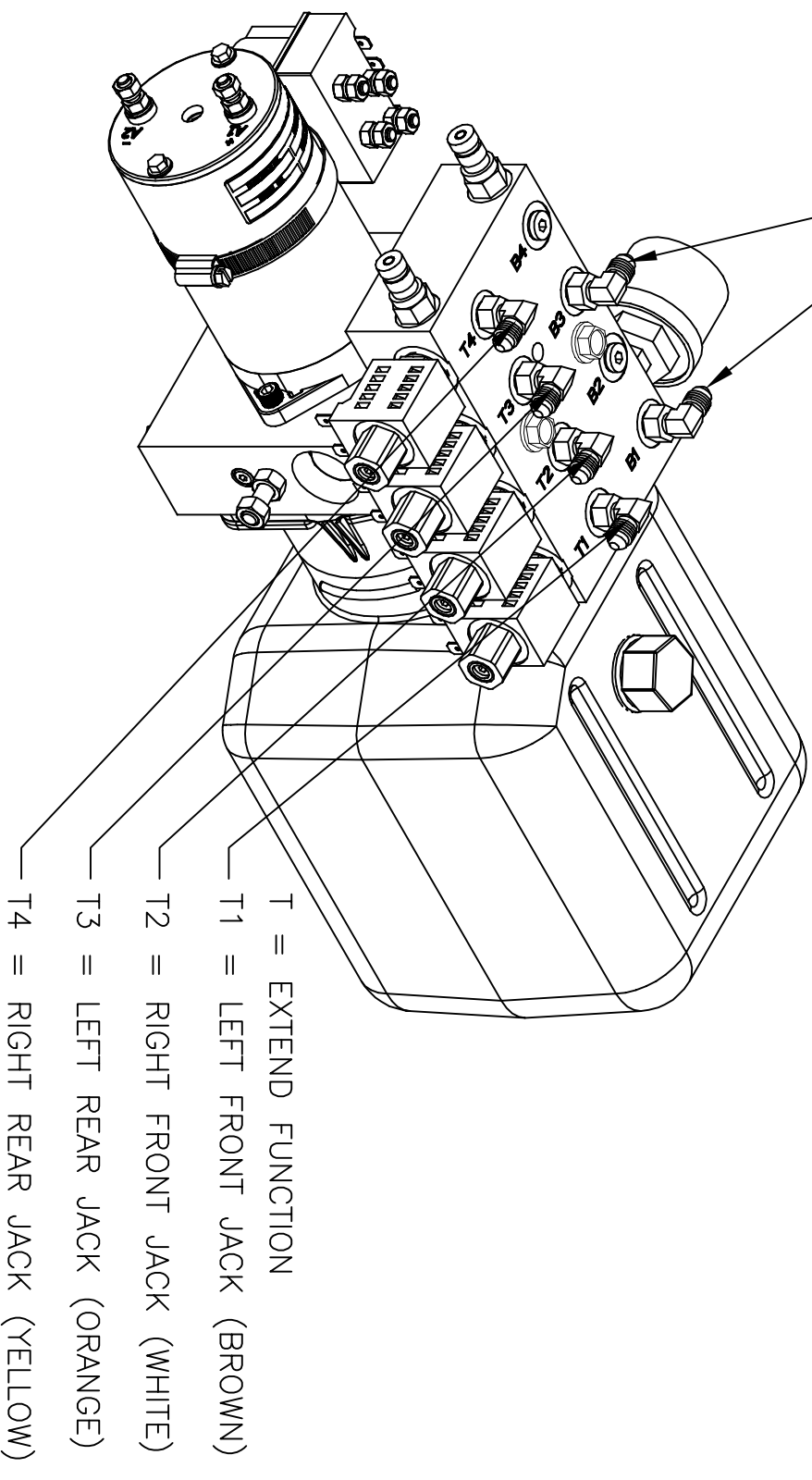


HYDRAULIC HOSE CONNECTIONS 7948 PUMP

B = RETRACT FUNCTION

B1 = LEFT FRONT JACK
(BROWN/BLACK)

B3 = LEFT REAR JACK
(ORANGE/BLACK)



T = EXTEND FUNCTION

T1 = LEFT FRONT JACK (BROWN)

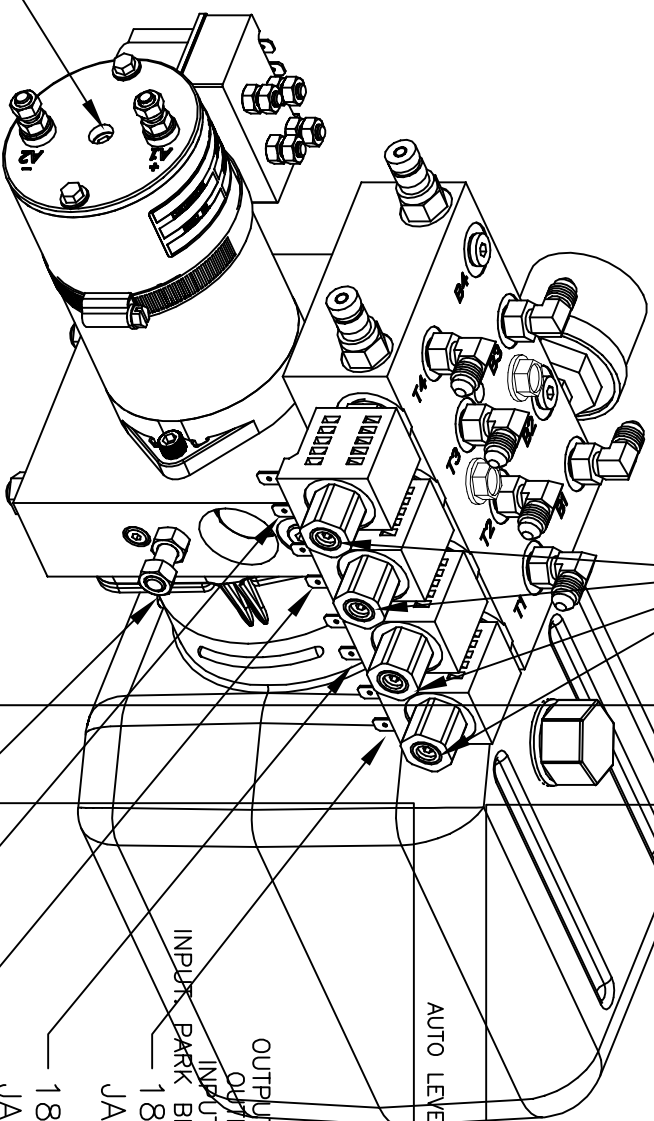
T2 = RIGHT FRONT JACK (WHITE)

T3 = LEFT REAR JACK (ORANGE)

T4 = RIGHT REAR JACK (YELLOW)

7948 PUMP WIRING

MANUAL OVERRIDE SCREWSKEY PAD #3103

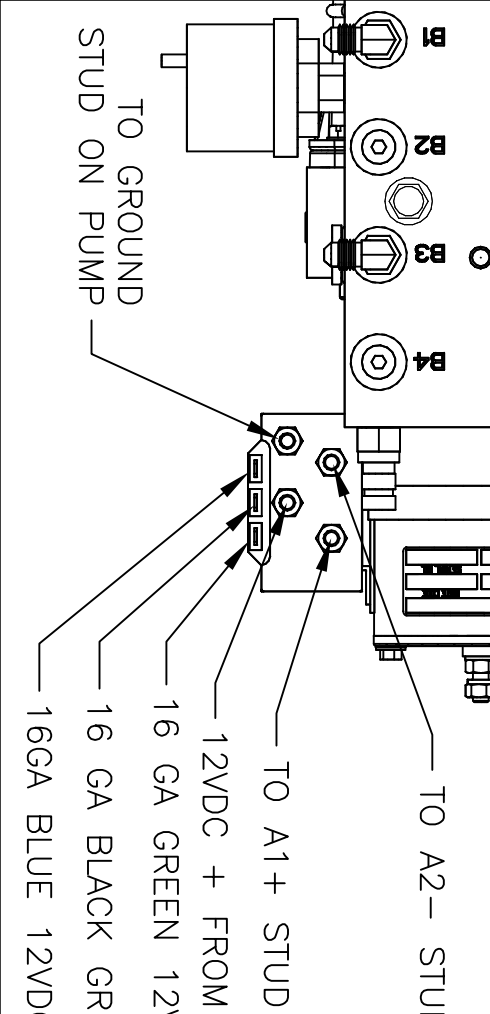


PIN	GAGE	COLOR
1	18	RED
2	18	BLACK/WHITE
3	18	BROWN/WHITE
4	18	GRN/WHITE

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

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

18GA WHITE 12VDC JACK-16GA BLACK GROUND
18GA WHITE 12VDC JACK-16GA BLACK GROUND
18GA WHITE 12VDC JACK-16GA BLACK GROUND
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
OUTPUT 12V+ TO PUMP VALVE L
OUTPUT 12V+ TO PUMP VALVE R
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE RL
OUTPUT 12V+ TO PUMP VALVE RB
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE RL
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE RL
OUTPUT 12V+ TO PUMP VALVE RR
GROUND STUD FOR PUMP ASSEMBLY

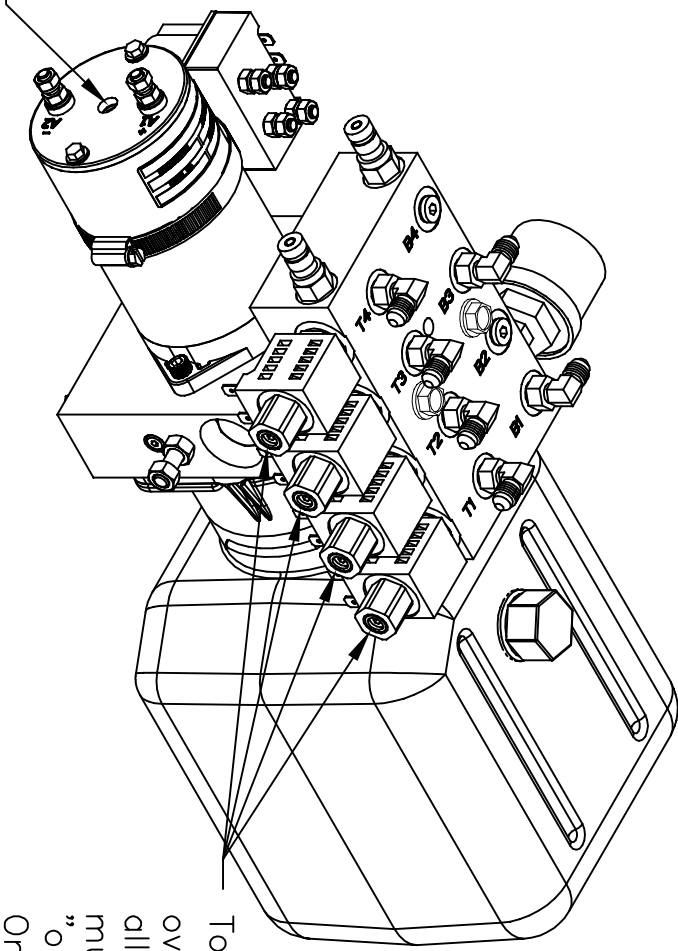


55169 COUNTRY ROAD 3
ELKHART, IN 46515

#	
A	3/1/17 Pump

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Small Bi-Rotational Pump Assembly



Manual override screw, is under this sticker. Using a 2000 rpm minimum drill, retract jacks by turning counter clockwise. To extend, turn screw clockwise.

To perform the manual override procedure, using a $\frac{1}{8}$ " allen wrench, all set screws must be turned clockwise "open" until they are snug. Once all levelers are retracted, turn all valve screws counter clockwise "closed" until snug.

GAGE		COLOR	
18	INPUT. PARK BRAKE GND WHEN BRAKE ON	BLK/YELLOW-BUTT SPL	
18	INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.	PINK-BUTT SPLICE	

[illegible]

Equalizer

USED ON:
DYNA MAX

PART NAME:	PUMP & MAN 4 FUNC BIROT-KS	
PAGE:	1 OF 2	DWG NO.: P7948KS
REV	-	

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

Equalizer

55169 COUNTRY 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
4 FUNCTION PUMP

USED ON:
PUMP & MAN 4 FUNC BIROT-KS

SIZE SCALE MATERIAL
A 1:1

DRW BY: DATE:
SU 2/24/17

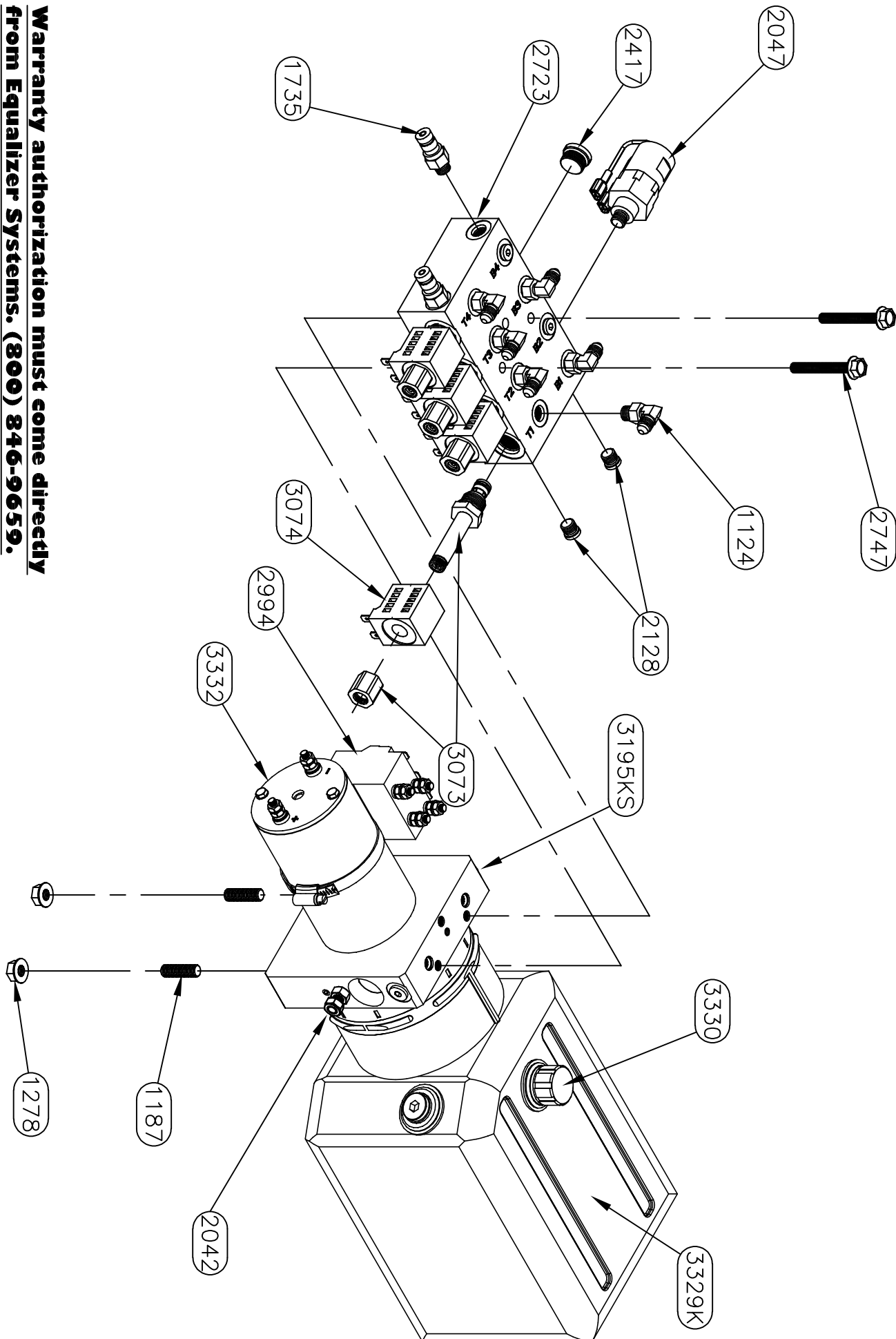
AP'D BY DATE:

PAGE: 2 OF 2

DWG NO.: P7948KS

PART NAME:
PUMP & MAN 4 FUNC BIROT-KS

REV: 2 OF 2 P7948KS

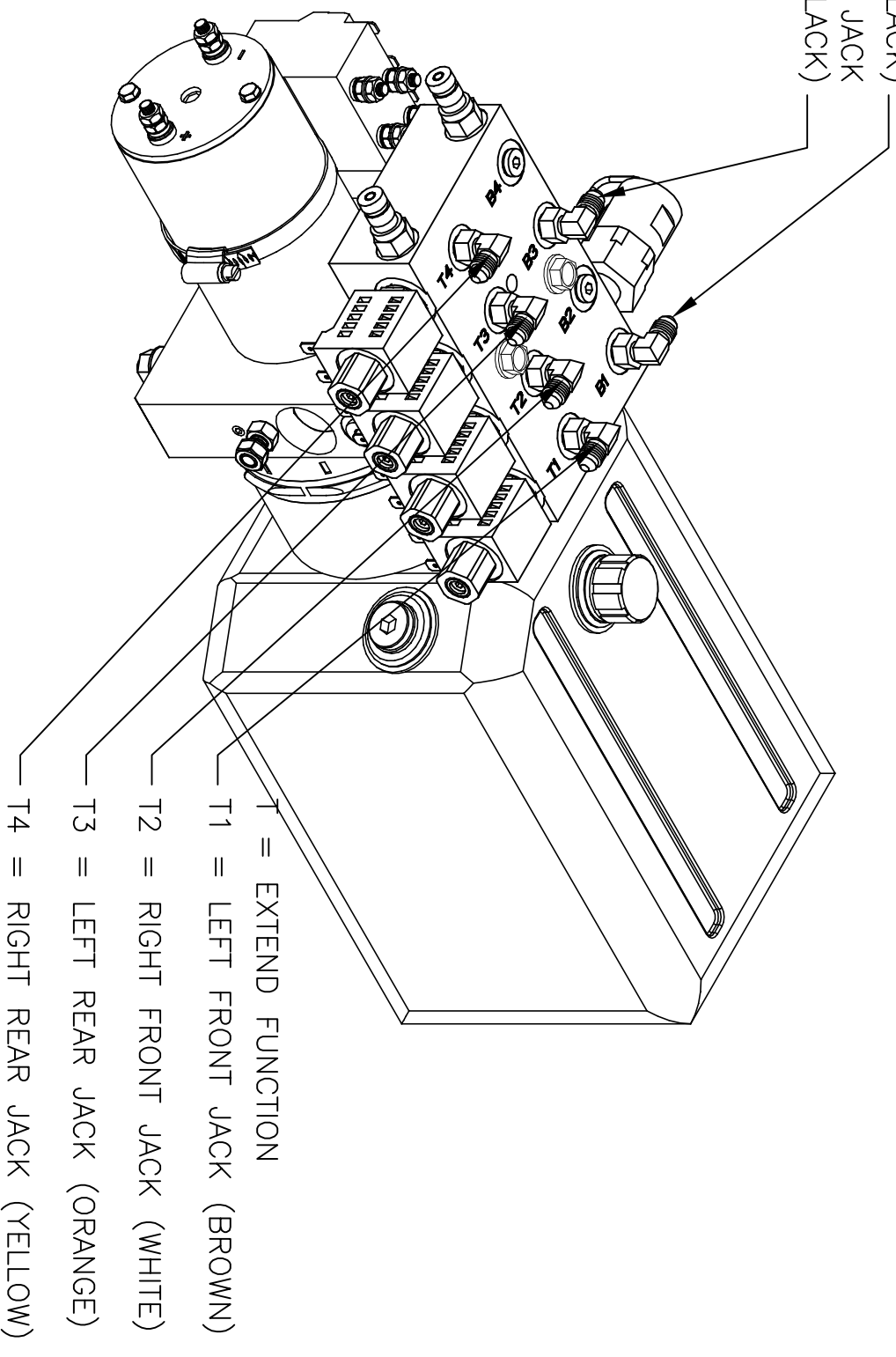


HYDRAULIC HOSE CONNECTIONS 7948KS PUMP

B = RETRACT FUNCTION

B1 = LEFT FRONT JACK
(BROWN/BLACK)

B3 = LEFT REAR JACK
(ORANGE/BLACK)



T = EXTEND FUNCTION

T1 = LEFT FRONT JACK (BROWN)

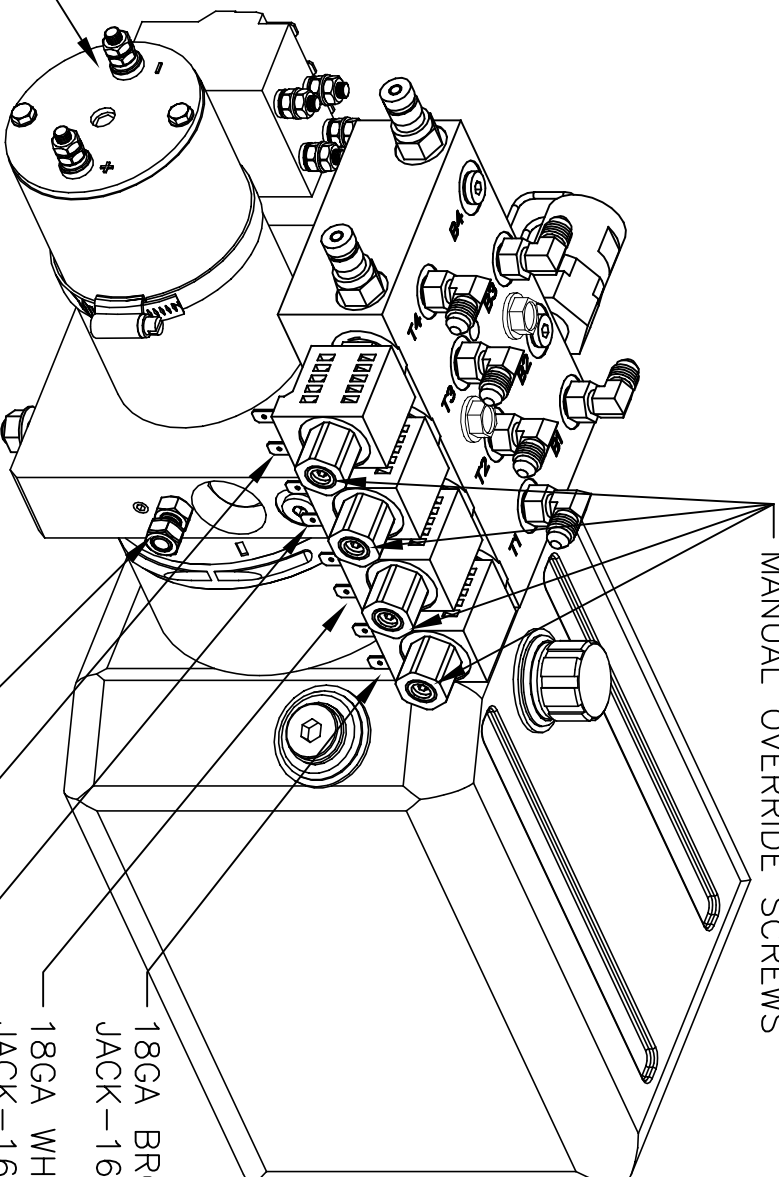
T2 = RIGHT FRONT JACK (WHITE)

T3 = LEFT REAR JACK (ORANGE)

T4 = RIGHT REAR JACK (YELLOW)

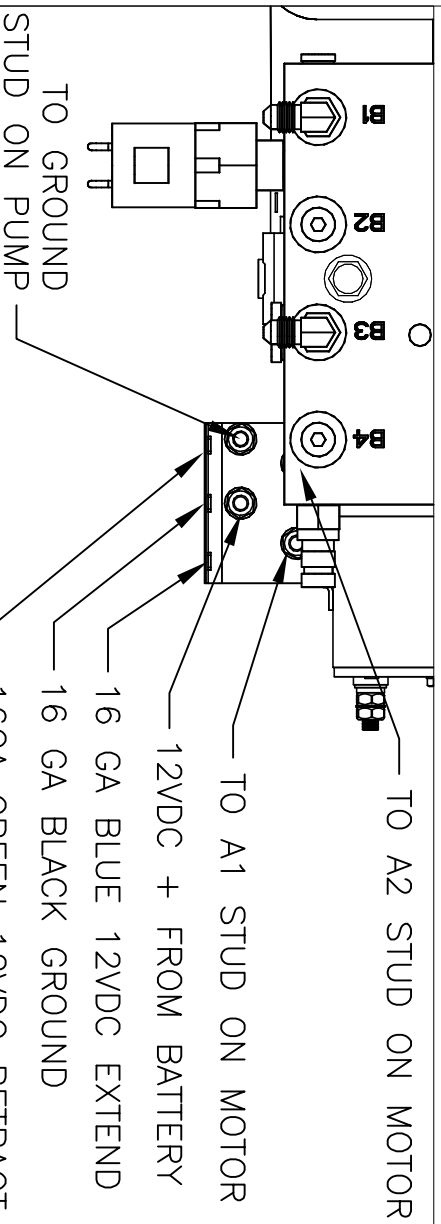
7948KS PUMP WIRING

MANUAL OVERRIDE SCREWS

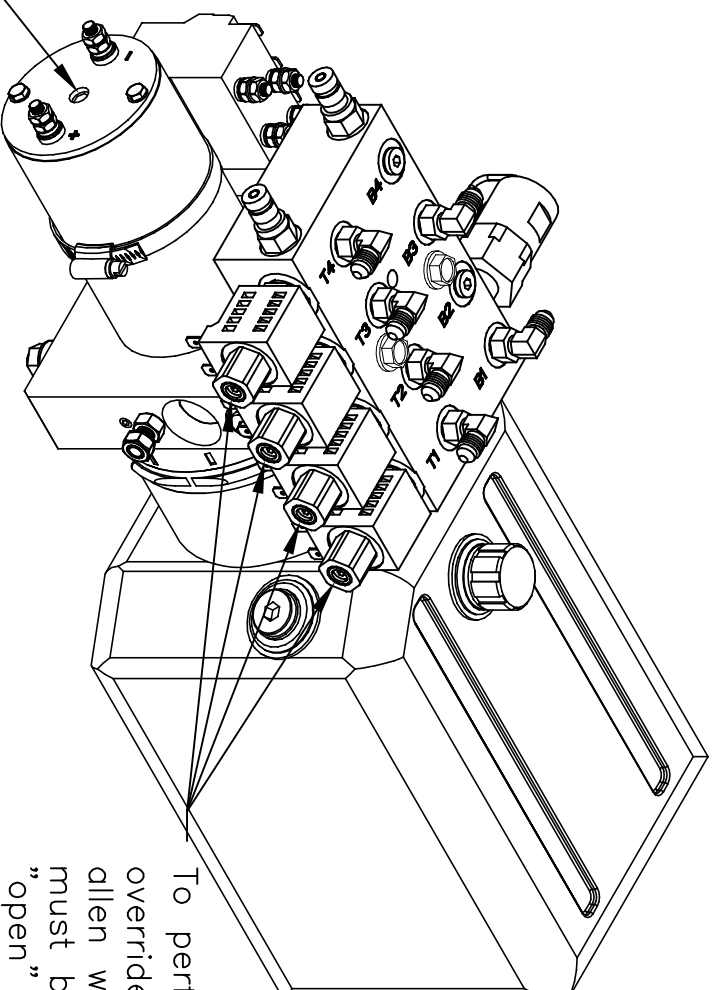


1/4" ALLEN SOCKET MANUAL
OVERRIDE LOCATED UNDER
STICKER

18GA BROWN 12VDC LEFT FRONT
JACK-16GA BLACK GROUND
18GA WHITE 12VDC RIGHT FRONT
JACK-16GA BLACK GROUND
18GA ORANGE 12VDC LEFT REAR
JACK-16GA BLACK GROUND
18GA YELLOW 12VDC RIGHT REAR
JACK-16GA BLACK GROUND
GROUND STUD FOR PUMP ASSEMBLY



Small Bi-Rotational Pump Assembly



Manual override screw, 6mm allen head, is under this sticker. Using a 2000 rpm minimum drill, retract jacks by turning counter clockwise. To extend, turn screw clockwise.

To perform the manual override procedure, using a $\frac{1}{8}$ " allen wrench, all set screws must be turned clockwise "open" until they are snug. Once all levelers are retracted, turn all valve screws counter clockwise "closed" until snug.

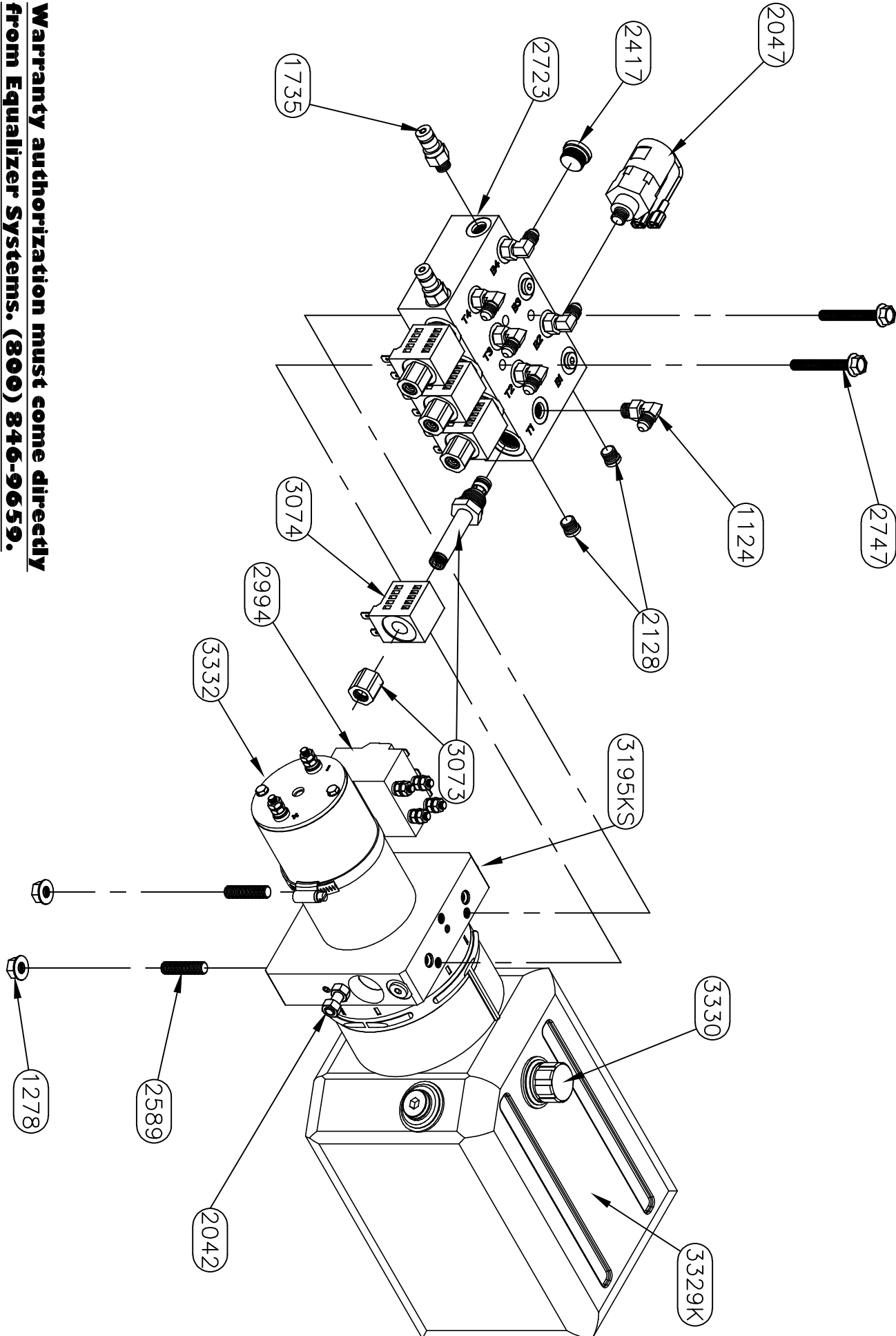
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Equalizer
55169 COUNTRY ROAD 3
ELKHART, IN 46515

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#	REVISIONS	BY:	DATE:	TITLE	USED ON:
				4 FUNCTION PUMP	DYNAMAX

UNLESS OTHERWISE SPECIFIED:		TOLERANCES:		SIZE SCALE MATERIAL		DATE:		PART NAME:	
.XXX ± 0.010		.XX ± 0.010		A 1: 1		5/30/17		PUMP & MAN 4 FUNC BIROT-KS	
.X ± 0.030		ANG. ± 1/2°		SU		AP'D BY DATE:		PAGE: 2 OF 2	
REMOVE ALL BURRS AND SHARP EDGES .015 MAX								DWG NO.: P7960KS	
								REV:	

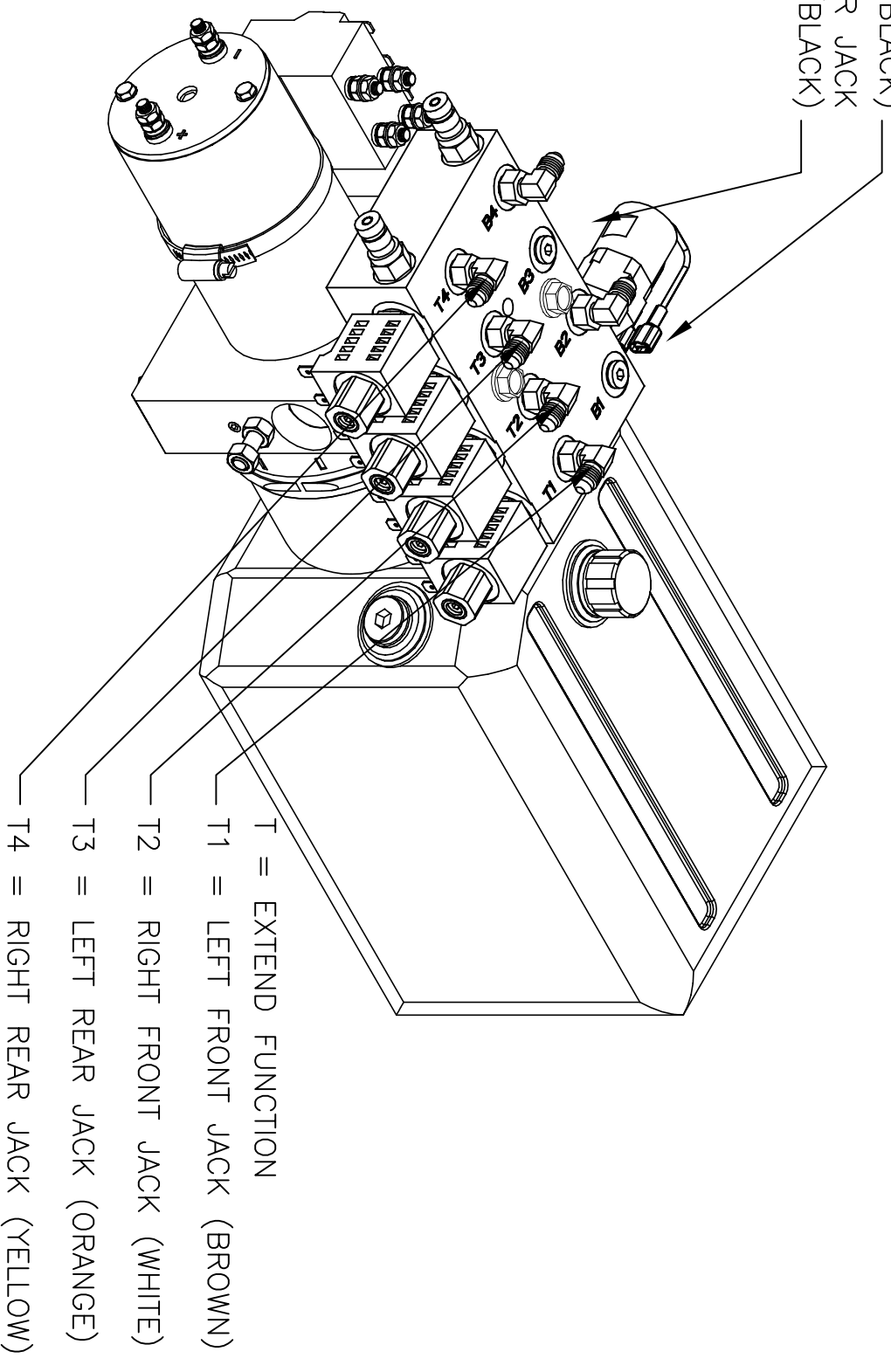


HYDRAULIC HOSE CONNECTIONS 7960KS PUMP

B = RETRACT FUNCTION

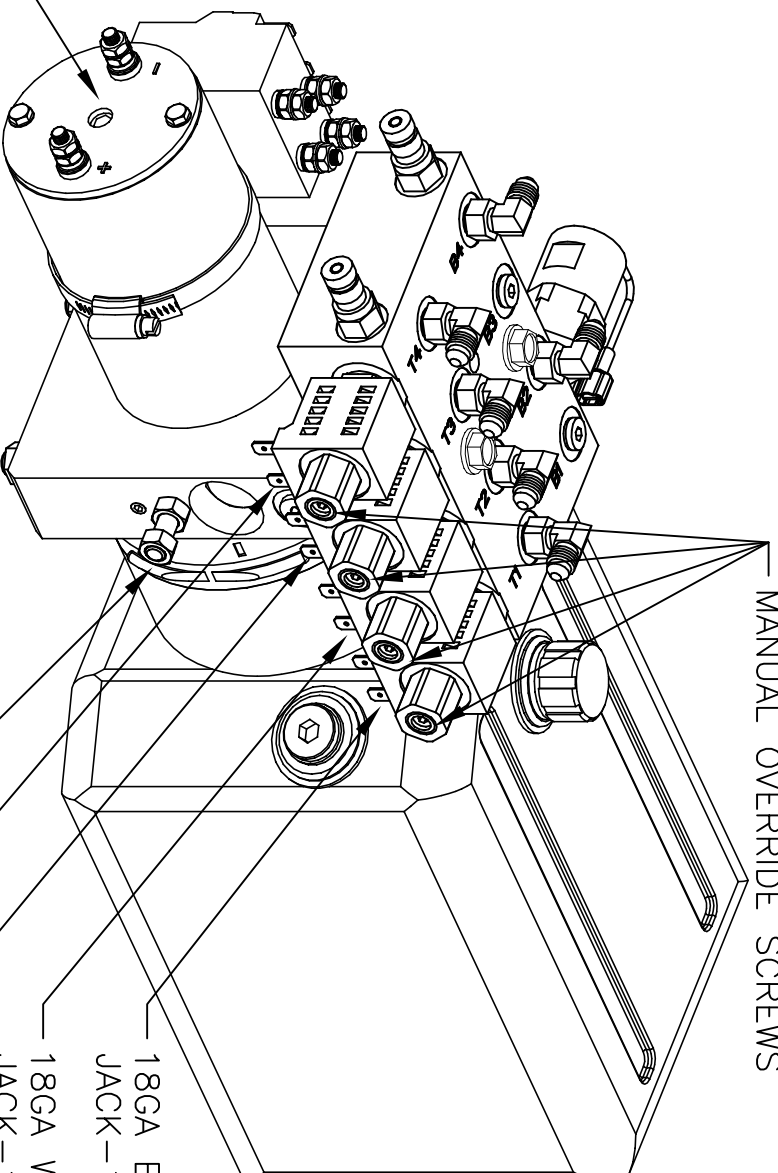
B1 = LEFT FRONT JACK
(BROWN/BLACK)

B3 = LEFT REAR JACK
(ORANGE/BLACK)



7960KS PUMP WIRING

MANUAL OVERRIDE SCREWS



1/4" ALLEN SOCKET MANUAL
OVERRIDE LOCATED UNDER
STICKER

- 18GA BROWN 12VDC LEFT FRONT JACK-16GA BLACK GROUND
- 18GA WHITE 12VDC RIGHT FRONT JACK-16GA BLACK GROUND
- 18GA ORANGE 12VDC LEFT REAR JACK-16GA BLACK GROUND
- 18GA YELLOW 12VDC RIGHT REAR JACK-16GA BLACK GROUND
- GROUND STUD FOR PUMP ASSEMBLY

TO A2+ STUD ON MOTOR

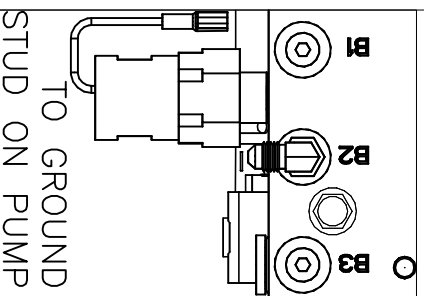
TO A1- STUD ON MOTOR

12VDC + FROM BATTERY

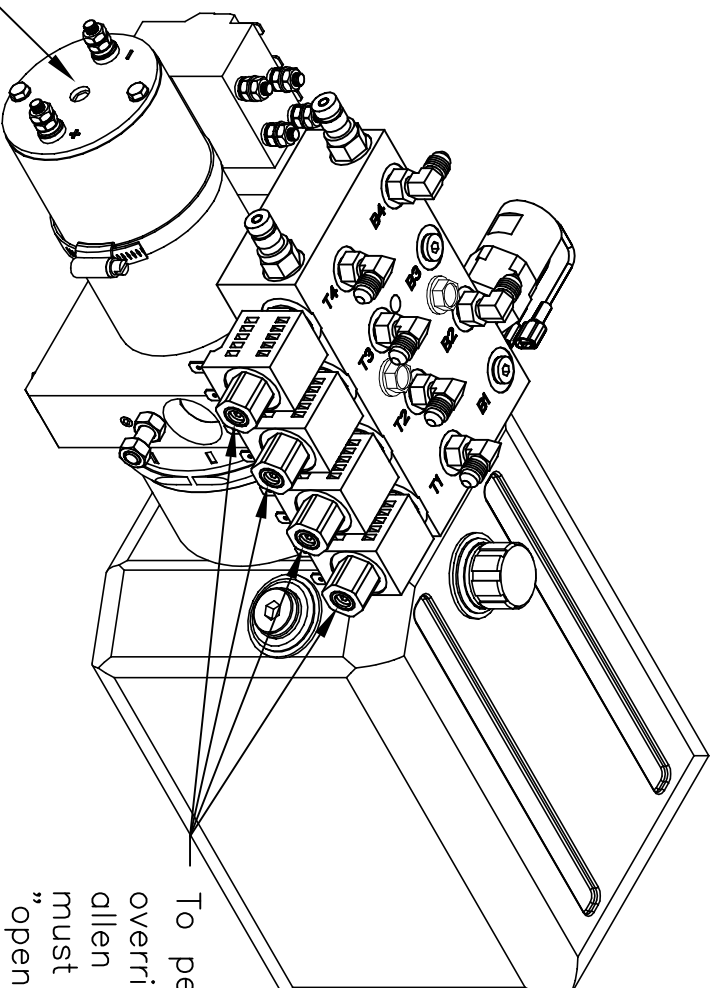
16 GA BLUE 12VDC EXTEND

16 GA BLACK GROUND

16 GA GREEN 12VDC RETRACT



Small Bi-Rotational Pump Assembly



Manual override screw, is under this sticker. Using a 2000 rpm minimum drill, retract jacks by turning counter clockwise. To extend, turn screw clockwise.

To perform the manual override procedure, using a $\frac{1}{8}$ " allen wrench, all set screws must be turned clockwise "open" until they are snug. Once all levelers are retracted, turn all valve screws counter clockwise "closed" until snug.

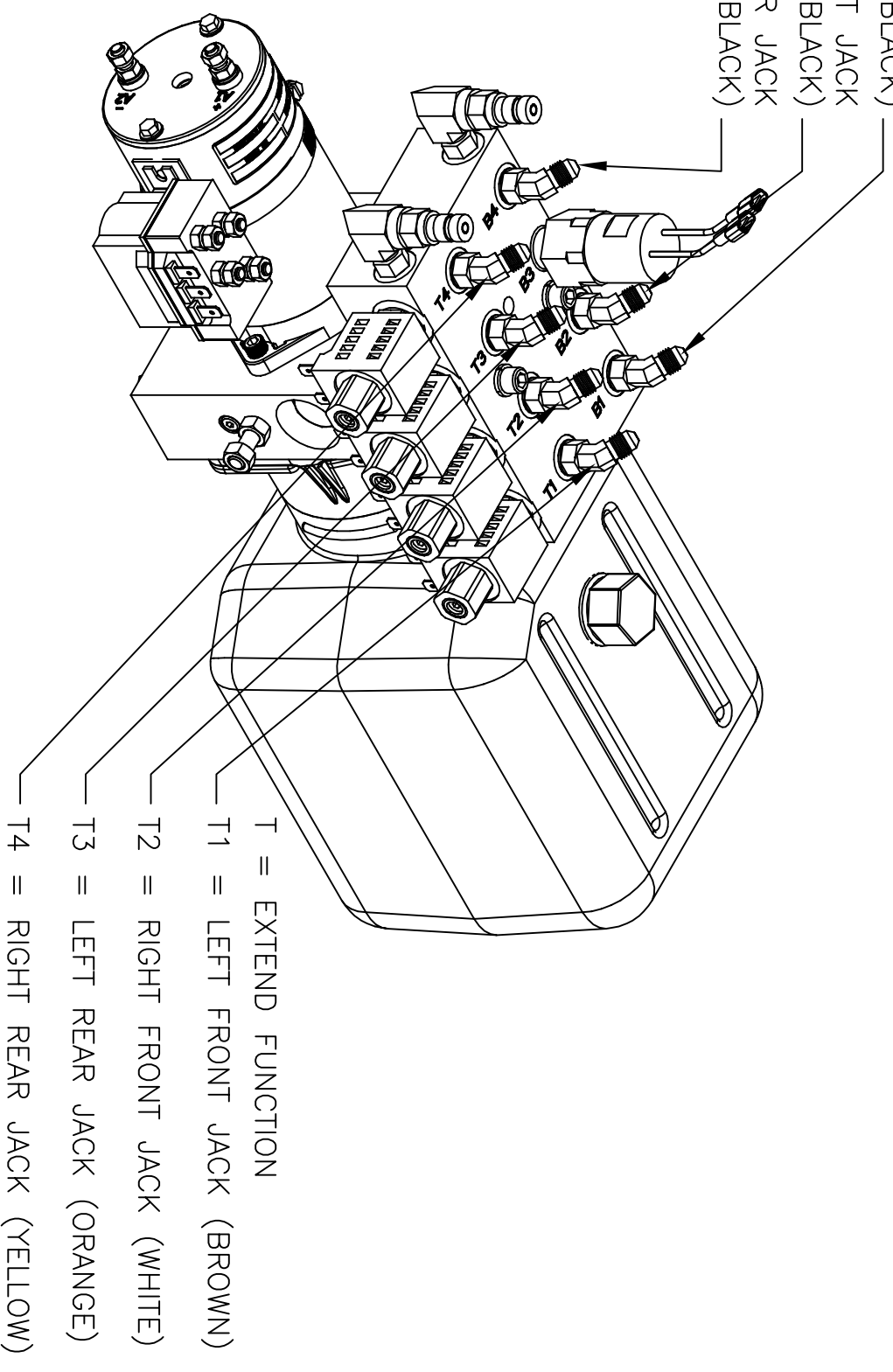
HYDRAULIC HOSE CONNECTIONS 7982DYN PUMP

B = RETRACT FUNCTION

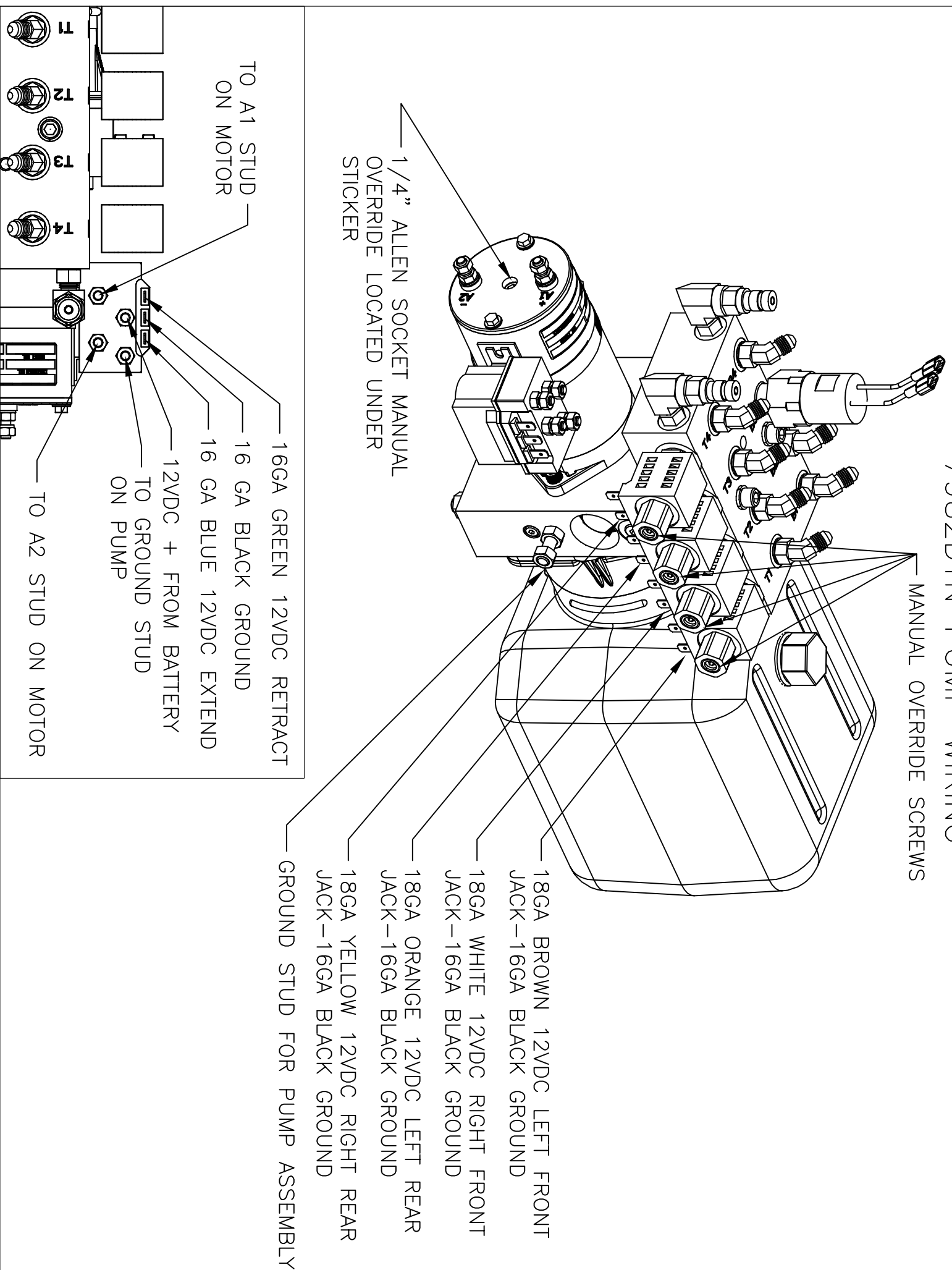
B1 = LEFT FRONT JACK
(BROWN/BLACK)

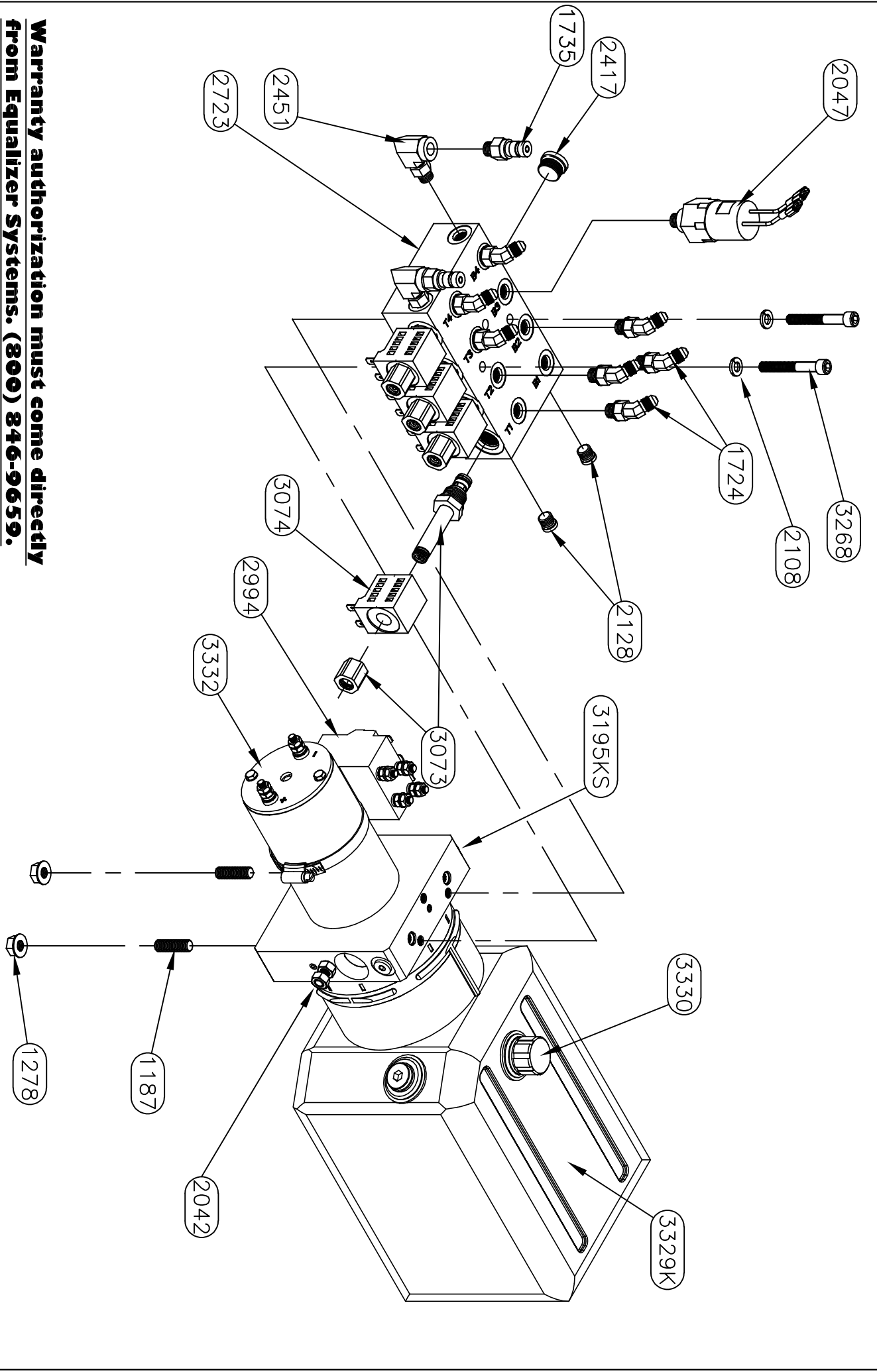
B2 = RIGHT FRONT JACK
(WHITE/BLACK)

B4 = RIGHT REAR JACK
(YELLOW/BLACK)



7982DYN PUMP WIRING





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

Equalizer

55169 COUNTRY ROAD 3
ELKHART, IN 46515

#	REVISIONS	BY:	DATE:	TITLE	USED ON:
				4- FUNCTION PUMP	DYNAMAX SPRINT
				SIZE SCALE MATERIAL	
				A 1: 1	
				DRW BY: SU	
				DATE: 2/24/17	
				AP'D BY: DATE:	
				PAGE: 2 OF 2	
				PART NAME: PUMP & MNT 4 FUNC BROT M/O 3 IN-DYNAMAX	
				DWG NO.: P7982KSDYN	
				REV: -	

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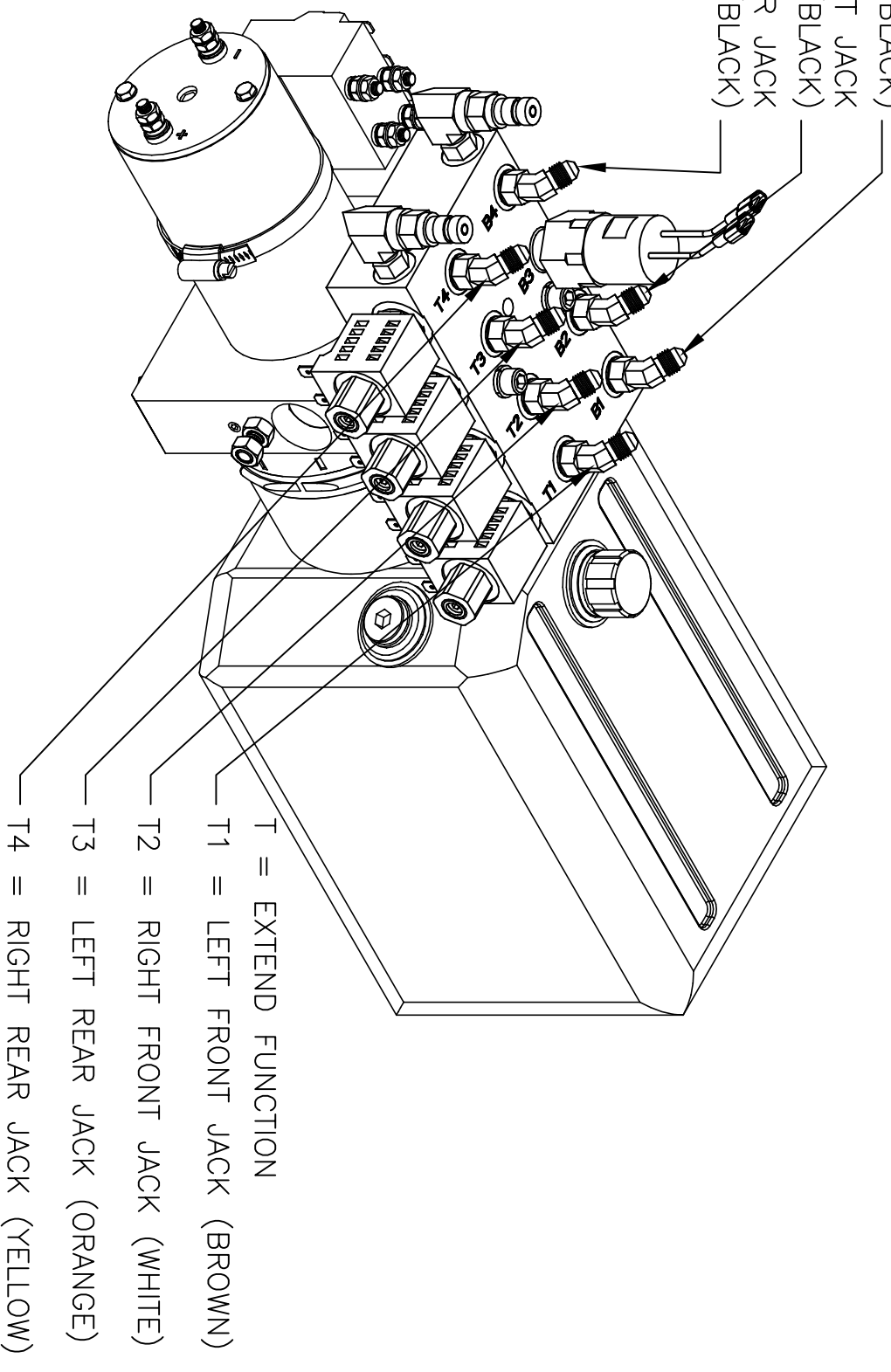
HYDRAULIC HOSE CONNECTIONS 7982KSDYN PUMP

B = RETRACT FUNCTION

B1 = LEFT FRONT JACK
(BROWN/BLACK)

B2 = 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)

7982KSDYN PUMP WIRING

MANUAL OVERRIDE SCREWS

1/4" ALLEN SOCKET MANUAL
OVERRIDE LOCATED UNDER
STICKER

18GA BROWN 12VDC LEFT FRONT
JACK-16GA BLACK GROUND
18GA WHITE 12VDC RIGHT FRONT
JACK-16GA BLACK GROUND
18GA ORANGE 12VDC LEFT REAR
JACK-16GA BLACK GROUND
18GA YELLOW 12VDC RIGHT REAR
JACK-16GA BLACK GROUND
GROUND STUD FOR PUMP ASSEMBLY

TO A1 STUD ON MOTOR

TO A2 STUD
ON MOTOR

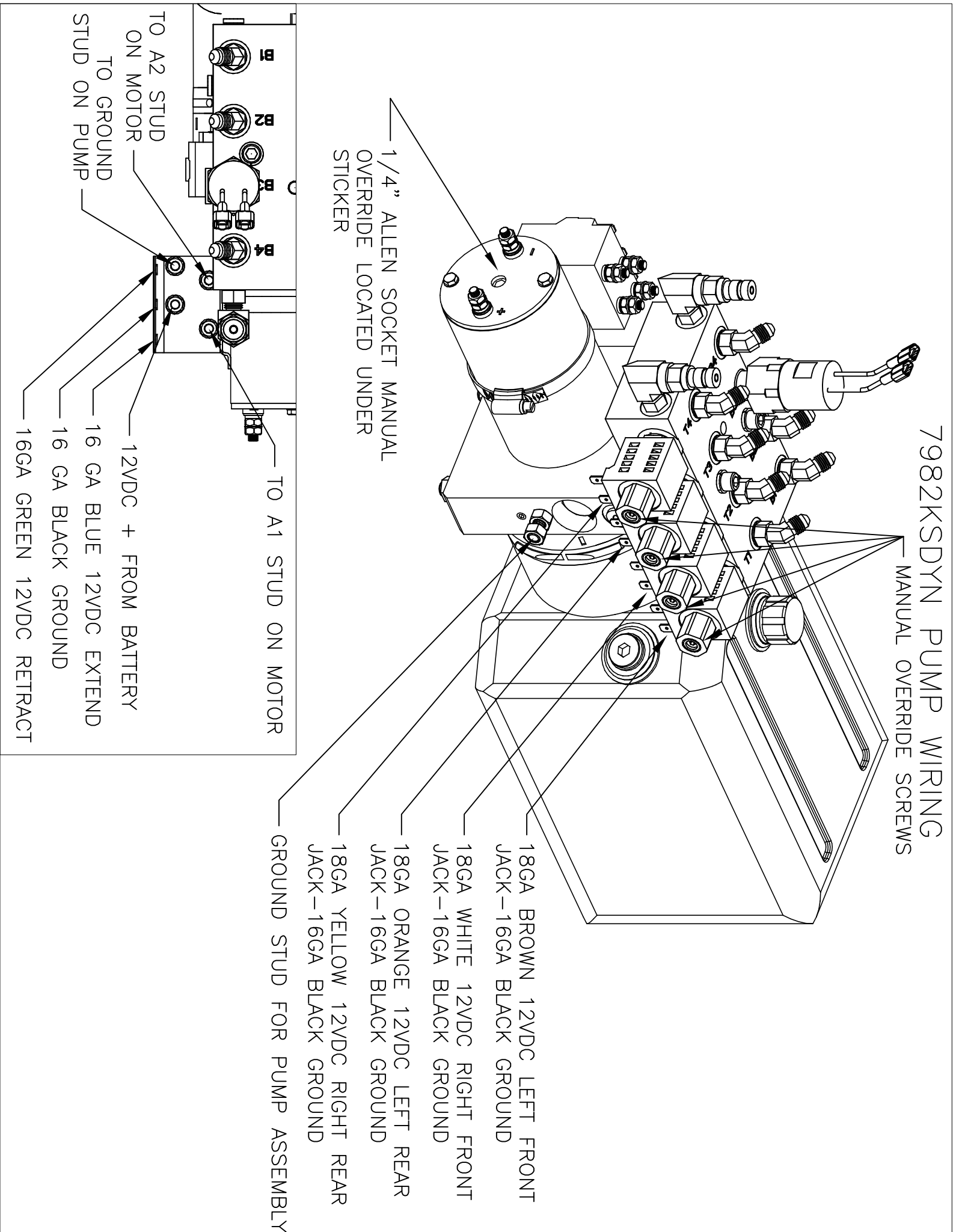
TO GROUND
STUD ON PUMP

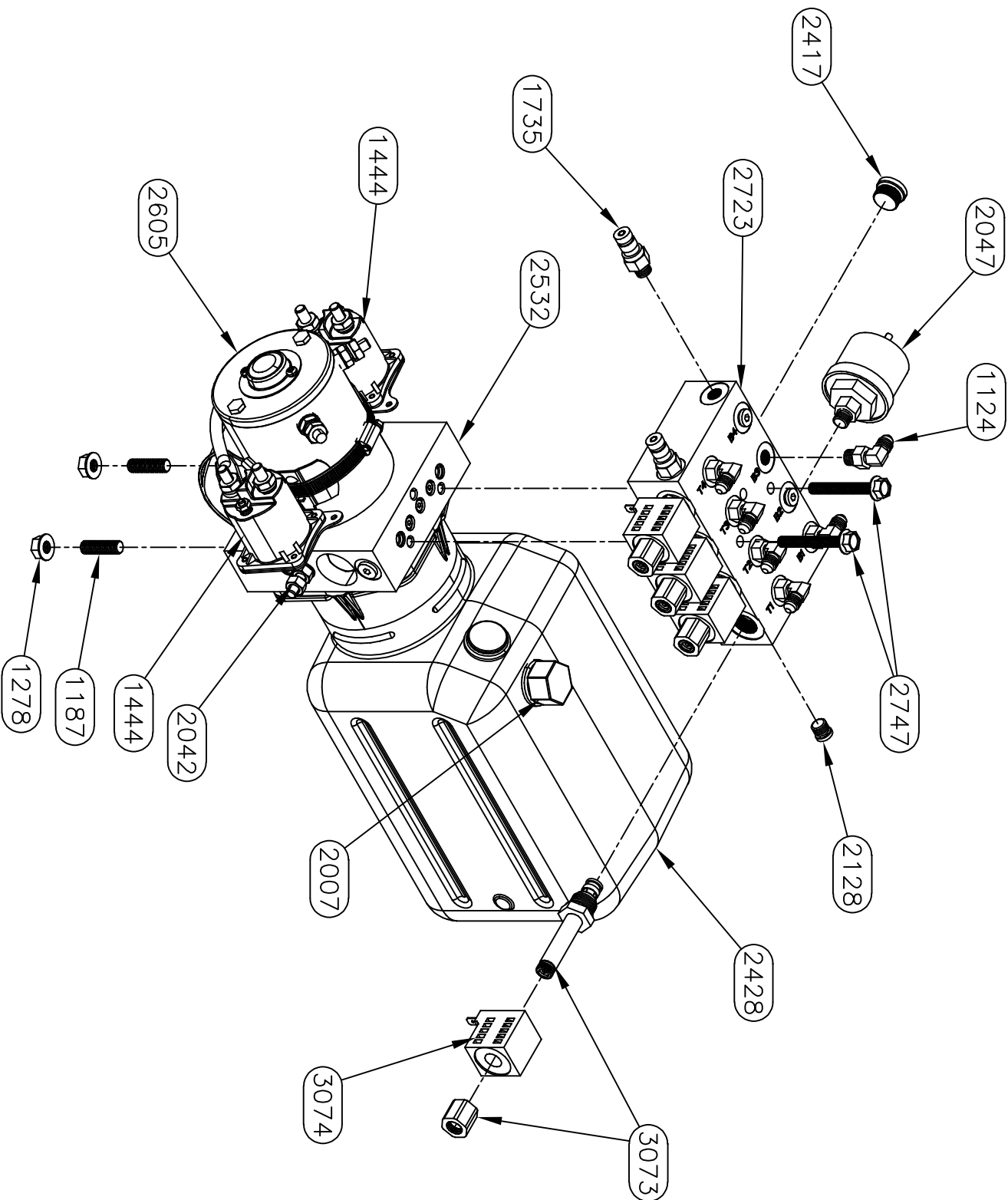
12VDC + FROM BATTERY

16 GA BLUE 12VDC EXTEND

16 GA BLACK GROUND

16GA GREEN 12VDC RETRACT





Equalizer

55169 COUNTRY ROAD 3
ELKHART, IN 46515

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#	REVISIONS	BY:	DATE:	TITLE	USED ON:
				4 FUNC. BI ROT PUMP ASSEMBLY	DYNAMAX DX3, DYNAQUEST XL, FORCE
				SIZE SCALE MATERIAL	
				DRW BY: N/A	AS
				DATE: 08/16/2016	PART NAME: PUMP & MAN 4 FUN BI ROT-DYNAMAX
				PSF	PAGE: 2 OF 3
				AP'D BY: DATE:	DWG NO.: P700028
					REV: -

UNLESS OTHERWISE SPECIFIED:

TOLERANCES:

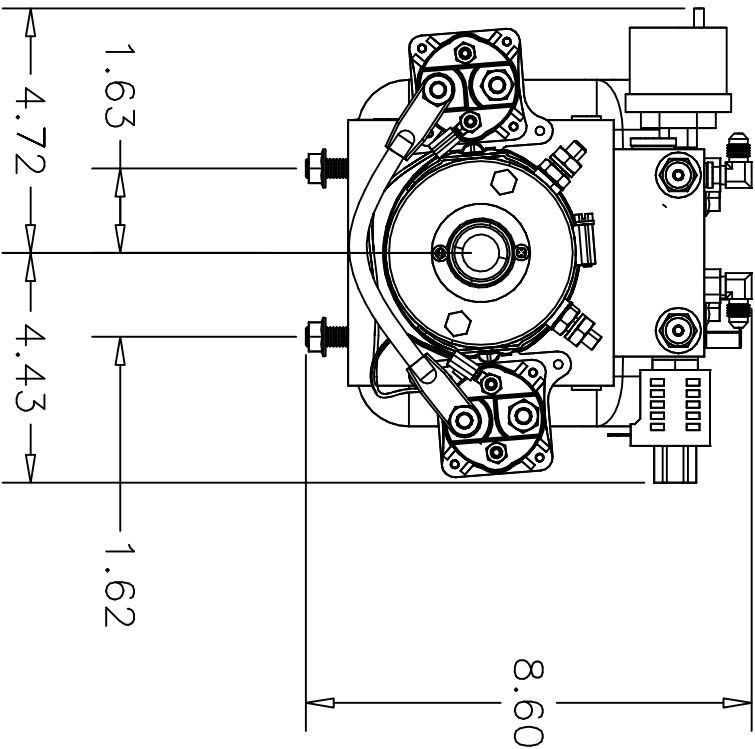
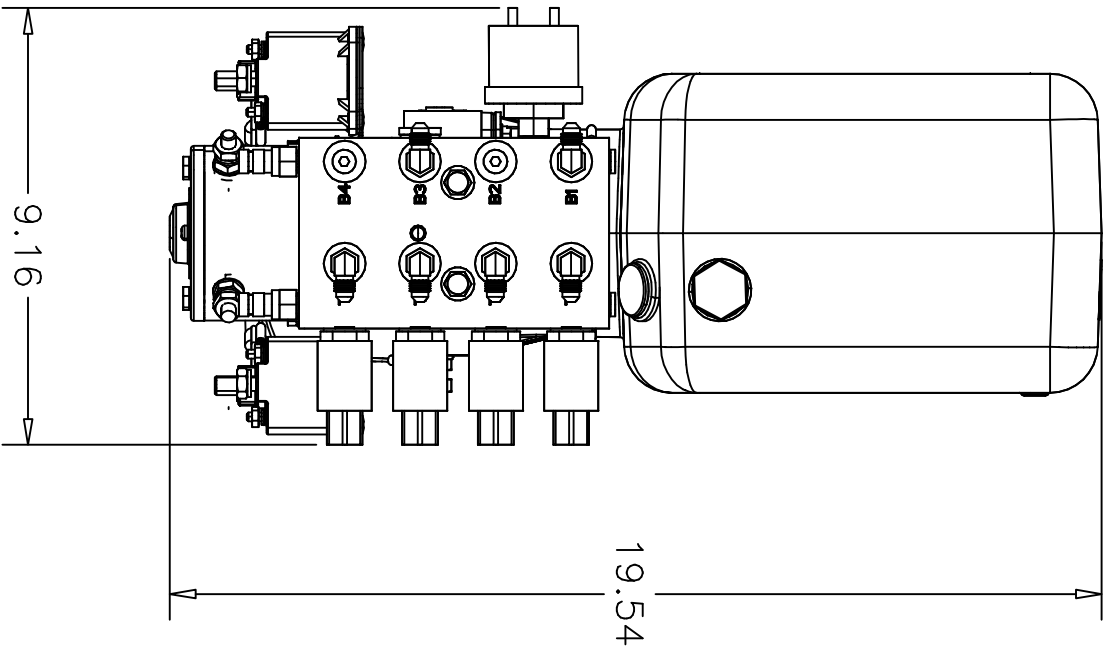
.XXX ± 0.010

.XX ± 0.010

.X ± 0.030

ANG. ± 1/2°

REMOVE ALL BURRS AND SHARP EDGES .015 MAX



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
4 FUNC. BI ROT PUMP ASSEMBLY

USED ON:
DYNAMAX DX3, DYNAQUEST XL, FORCE

SIZE SCALE MATERIAL

A N/A AS

PSF

DATE: 08/16/2016

DATE:

AP'D BY

—

NOTED

PART NAME:

PUMP & MAN 4 FUN BI ROT-DYNAMAX

PAGE: 3 OF 3

DWG. NO.: P700028

REV: —

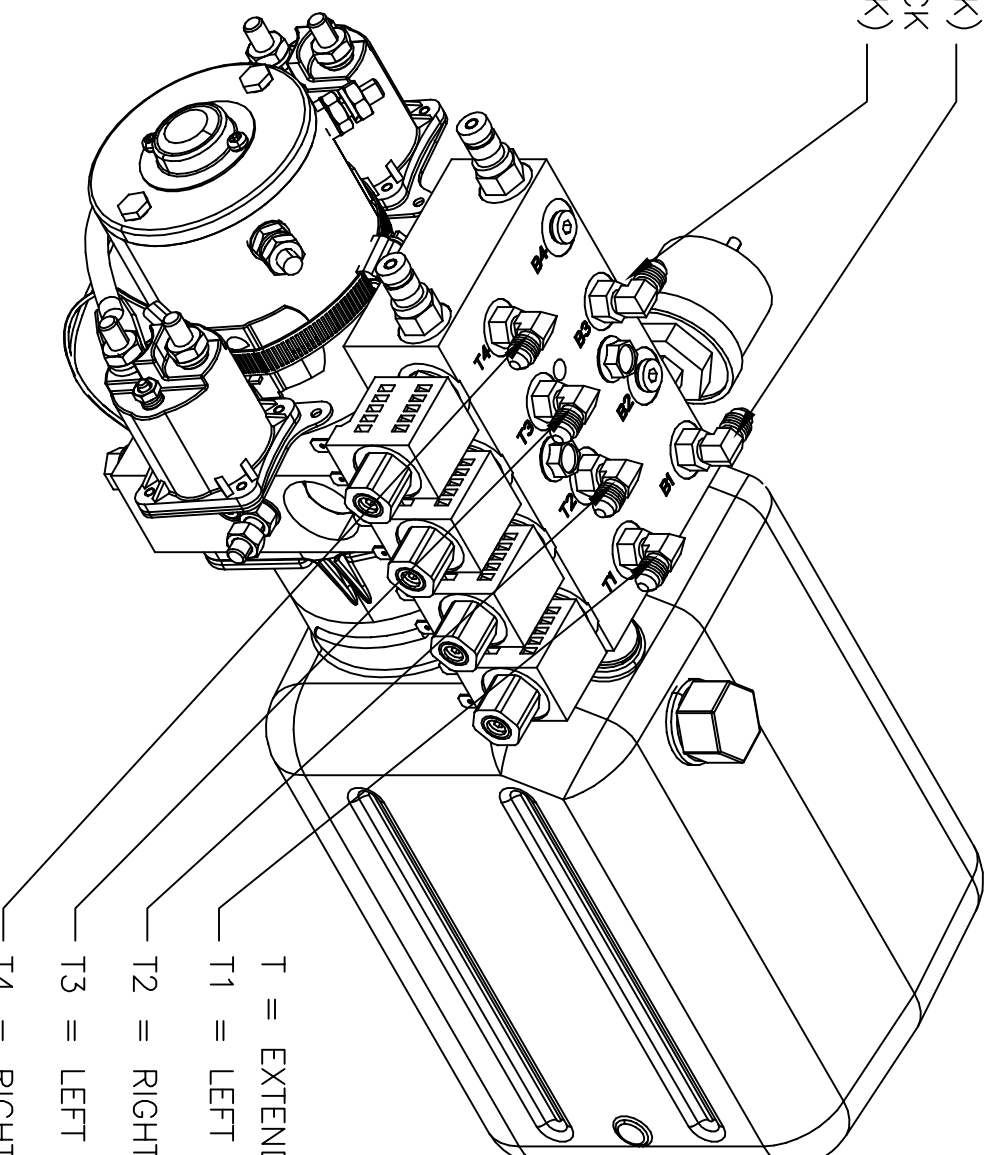
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HYDRAULIC HOSE CONNECTIONS 70028 PUMP

B = RETRACT FUNCTION

B1 = RIGHT FRONT JACK
(WHITE/BLACK)

B3 = RIGHT REAR JACK
(YELLOW/BLACK)



T = EXTEND FUNCTION

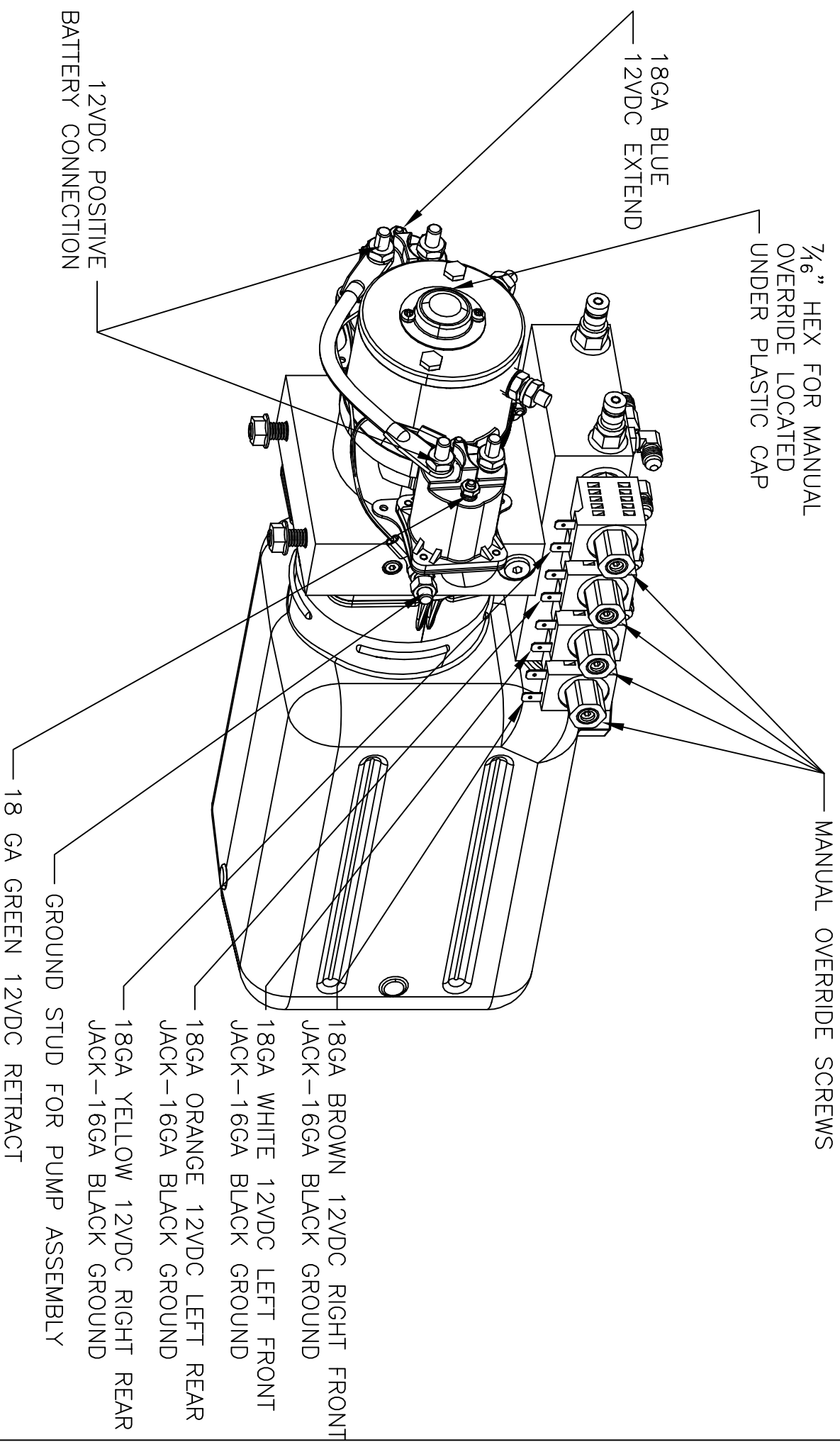
T1 = LEFT FRONT JACK (BROWN)

T2 = RIGHT FRONT JACK (WHITE)

T3 = LEFT REAR JACK (ORANGE)

T4 = RIGHT REAR JACK (YELLOW)

70028 PUMP WIRING



clockwise "closed" until snug.

KEYPAD TO CONTROLLER HARNESS #6975
PUMP TO CONTROLLER HARNESS #6955

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

BI-ROTATIONAL PUMP #7948KS

UMP WIRING

ANUAL OVERRIDE SCREWS KEY PAD #3103

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

AUTO LEVEL CONTROLLER #2730

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

INPUT. DATA	1 18 BROWN/WHITE
INPUT. DATA	2 18 GREEN/WHITE
OUTPUT. POWER TO KEY PAD	3 18 RED
OUTPUT. GND TO KEY PAD	4 18 BLACK/WHITE
INPUT. 12V+ WHEN IGN ON	5 18 PINK
INPUT. PARK BRAKE GND. SEE NOTES	6 18 BLACK/YELLOW
18GA BROWN 12VDC LEFT FRONT	7 18
JACK-16GA BLACK GROUND	8 18
18GA WHITE 12VDC RIGHT FRONT	
JACK-16GA BLACK GROUND	
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)	1 12 RED
18GA BROWN 12VDC REAR	2 12
OUTPUT 12V+ TO PUMP VALVE LR	3 18 BROWN
OUTPUT 12V+ TO PUMP VALVE RR	4 18 BROWN
OUTPUT 12V+ TO PUMP VALVE RR	5 18 YELLOW
OUTPUT 12V+ TO PUMP VALVE RR	6 18
OUTPUT 12V+ TO PUMP VALVE RR	7 18
OUTPUT 12V+ TO PUMP VALVE RR	8 18
OUTPUT 12V+ TO PUMP VALVE RR	9 18

GROUND STUD FOR PUMP ASSEMBLY

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

HARNESS 6791BR

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 6572

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.

D ON MOTOR
BATTERY
55169 COUNTRY ROAD 3
ELKHART, IN 46515

#	REVISIONS
A	3/1/17 Pump changed from 70028 to 7948KS

BY:	DATE:
SJ	2/27/17

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

TITLE
AUTO LEVEL SCHEMATIC
SIZE SCALE MATERIAL
A 1: 1

USED ON:
DYNAMAX

2VDC RETRACT
property of Days Corporation, Elkhart, Indiana, with the
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in any manner that may constitute a detriment directly or
indirectly to Days Corporation. Acceptance of this will be
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DRW BY:	DATE:
PSF	8/30/16
APP'D BY	DATE:
—	—

REMOVE ALL BURRS AND
SHARP EDGES .015 MAX

DRW BY:	DATE:	PART NAME:	PAGE:	DWG. NO.:	REV:
PSF	8/30/16	AUTO LEVEL WIRING SCHEMATIC	1 OF 1	P8085	A

PUMP TO CONTROL PANEL HARNESS
#6133-30

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7948KS

HARNESS 6910

PIN/GAGE	COLOR	PIN/GAGE	COLOR
1 18	ORANGE	1 18	ORANGE
2 18	WHITE	2 18	WHITE
3 18	BLUE	3 16	DARK BLUE
4 18	YELLOW	4 18	YELLOW
5 18	BROWN	5 18	BROWN
6 18	GREEN	6 16	DARK GREEN
7		7	
8		8	
9 18	YELLOW/BLACK	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	PIN/GAGE	COLOR
B 16	BLACK	B 12	BLACK
A 12	RED	A 12	RED

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

SMART LEVEL CONTROL PANEL #3197SBT

PIN/GAGE	COLOR
1 16	RED
2 16	RED
3 16	BLACK

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP

PIN/GAGE	COLOR
1	
2 18	BLACK/YELLOW
3 18	PINK
4 18	YELLOW/BLACK
5	
6 18	GREEN
7	
8 18	YELLOW
9 18	ORANGE
10 18	WHITE
11 18	BROWN
12 18	BLUE

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

OUTPUT 12V+ TO PUMP RETRACT
OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP EXTEND

PIN/GAGE	COLOR
1 18	RED
2 18	BLACK
3 18	TAN
4 18	GRAY

+5V SUPPLY
GROUND
SERIAL DATA
SERIAL CLOCK

OPTIONAL REMOTE
SENSOR CABLE

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

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

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.

55169 COUNTY ROAD 3
ELKHART, IN 46515

Equalizer

#	REVISIONS	BY:	DATE:	UNLESS OTHERWISE SPECIFIED: TOLERANCES:	TITLE	USED ON:
A	3/1/17 Pump changed from 70028 to 7948KS	SJ	2/27/17	.XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2°	AUTO LEVEL SCHEMATIC	DTNMAX
B	Changed controls to smart level	SJ	6/15/18	REMOVE ALL BURRS AND SHARP EDGES .015 MAX	SIZE SCALE MATERIAL A 1: 1	PART NAME: SMART LEVEL WIRING SCHEMATIC
				DRW BY: 8/30/16	DATE:	PAGE: 1 OF 1 DWG NO.: P8085A REV: B
				PSF	DATE:	
				APP'D BY	DATE:	

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CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON. PINK(BLUNT)
INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7948KS

HARNESS 6910

PIN#	AGE	COLOR	PIN#	AGE	COLOR	INPUT. 12V+ TO LEFT REAR VALVE COIL
1	18	ORANGE	1	18	ORANGE	INPUT. 12V+ TO RIGHT FRONT VALVE COIL
2	18	WHITE	2	18	WHITE	INPUT. 12V+ TO MOTOR EXTEND SOLENOID
3	16	BLUE	3	16	DARK BLUE	INPUT. 12V+ TO RIGHT REAR VALVE COIL
4	18	YELLOW	4	18	YELLOW	INPUT. 12V+ TO LEFT FRONT VALVE COIL
5	18	BROWN	5	18	BROWN	INPUT. 12V+ TO LEFT FRONT VALVE COIL
6	18	GREEN	6	16	DARK GREEN	INPUT. 12V+ TO MOTOR RETRACT SOLENOID
7			7			
8			8			
9	18	YELLOW/BLACK	9	18	YELLOW/BLACK	PRESSURE SW 12V+ OUTPUT

SMART LEVEL CONTROL PANEL #3197SC

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)	PIN#	AGE	COLOR
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)	1	16	RED
INPUT GND FROM PUMP	2	16	RED
	3	16	BLACK

PIN#	AGE	COLOR	PIN#	AGE	COLOR
B	16	BLACK	B	12	BLACK
A	12	RED	A	12	RED

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

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

PIN#	AGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

7		GREEN
---	--	-------

OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP EXTEND

8	18	YELLOW
9	18	ORANGE
10	18	WHITE
11	18	BROWN
12	18	BLUE

PIN#	AGE	COLOR
1	18	RED
2	18	BLACK
3	18	TAN
4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

PIN#	AGE	COLOR
1	—	—
2	—	—

PIN#	AGE	COLOR
1	—	—
2	—	—

CUSTOMER PROVIDED RV-C CAN CONNECTION. THESE ARE
CONNECTED PARALLEL AND EITHER OR BOTH MAY BE USED.
TYPICALLY THE SECOND CONNECTOR WOULD BE USED TO CONTINUE
THE CAN BUS ONTO ANOTHER UNIT OR TO PLACE A TERMINATING
RESISTOR IF THE UNIT IS AT THE END OF THE LINE.

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.

55169 COUNTY ROAD 3
ELKHART, IN 46515

REVISIONS

BY: DATE:

UNLESS OTHERWISE
SPECIFIED:
TOLERANCES:

TITLE
SMART LEVEL SCHEMATIC

USED ON:

DYNAMAX

Equalizer

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#	REVISIONS	BY:	DATE:	TITLE	USED ON:
				SMART LEVEL SCHEMATIC	DYNAMAX
				SIZE SCALE MATERIAL	
				DRW BY: DATE:	PART NAME:
				SJ 7/17/21	SMART LEVEL WIRING SCHEMATIC-CAN BUS
				APP'D BY DATE:	PAGE: 1 OF 1
				REMOVE ALL BURRS AND SHARP EDGES .015 MAX	DWG NO.: 8085C
					REV: —

KEYPAD TO CONTROLLER HARNESS #6941
PUMP TO CONTROLLER HARNESS #6808

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

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

KEY PAD #3103

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

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

AUTO LEVEL CONTROLLER #3197

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

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

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

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

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 6791BR

BI-ROTATIONAL PUMP #7982KSDYN

HARNESS 6572

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.

<div>55169 COUNTY ROAD 3 ELKHART, IN 46515</div>		<div>REVISIONS</div>		<div>BY: DATE:</div>		<div>UNLESS OTHERWISE SPECIFIED: TOLERANCES: .XXX ± 0.010 .XX ± 0.010 .X ± 0.030 ANG. ± 1/2° REMOVE ALL BURRS AND SHARP EDGES .015 MAX</div>													
#		3/1/17 Pump changed from 7982DYN to 7982KSDYN		SJ 2/27/17		TITLE AUTO LEVEL SCHEMATIC		USED ON: DYNA MAX											
A						SIZE A		SCALE 1: 1		MATERIAL		PART NAME: AUTO LEVEL WIRING SCHEMATIC		PAGE: 1 OF 1		DWG NO.: P8757DYN		REV: A	
						DRW BY: PSF		DATE: 11/16/16											

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PUMP TO CONTROL PANEL HARNESS
#6133-10

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

PINK(BLUNT)

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7982KSDYN

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	16	BLACK
A	12	RED

PIN#	GAGE	COLOR
B	12	BLACK
A	12	RED

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

SMART LEVEL CONTROL PANEL #3197SBT

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP

PIN#	GAGE	COLOR
1	16	RED
2	16	RED
3	16	BLACK

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

PIN#	GAGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

6	18	GREEN
7		

OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP EXTEND

8	18	YELLOW
9	18	ORANGE
10	18	WHITE
11	18	BROWN
12	18	BLUE

+5V SUPPLY
GROUND
SERIAL DATA
SERIAL CLOCK

PIN#	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	TAN
4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

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:

TITLE
AUTO LEVEL SCHEMATIC

USED ON:

DYNAMAX

A

3/1/17 Pump changed from 7982DYN to 7982DYNKS

SJ

2/27/17

.XXX ± 0.010
.XX ± 0.010
.X ± 0.030
ANG. ± 1/2°

SIZE SCALE MATERIAL

1: 1

DATE: 11/16/16

PART NAME:
SMART LEVEL WIRING SCHEMATIC

B

SJ

5/1/18

Changed controls to smart level

DRW BY: PSF

DATE: 11/16/16

APP'D BY

PAGE: 1 OF 1 DWG NO.: P8757DYN REV: B

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PUMP TO CONTROL PANEL HARNESS
#6133-10

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7982KSDYN

HARNESS 6910

PIN#	AGE	COLOR	
1	18	ORANGE	INPUT. 12V+ TO LEFT REAR VALVE COIL.
2	18	WHITE	INPUT. 12V+ TO RIGHT FRONT VALVE COIL
3	16	DARK BLUE	INPUT. 12V+ TO MOTOR EXTEND SOLENOID
4	18	YELLOW	INPUT. 12V+ TO RIGHT REAR VALVE COIL
5	18	BROWN	INPUT. 12V+ TO LEFT FRONT VALVE COIL
6	16	DARK GREEN	INPUT. 12V+ TO MOTOR RETRACT SOLENOID
7			
8			
9	18	YELLOW/BLACK	PRESSURE SW 12V+ OUTPUT

SMART LEVEL CONTROL PANEL #3197SC

PIN#	AGE	COLOR
1	16	RED
2	16	RED
3	16	BLACK

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP

PIN#	AGE	COLOR
B	16	BLACK
A	12	RED

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

HARNESS 6572C



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



GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

OUTPUT 12V+ TO PUMP RETRACT

OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP EXTEND

PIN#	AGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK
5		
6	18	GREEN
7		
8	18	YELLOW
9	18	ORANGE
10	18	WHITE
11	18	BROWN
12	18	BLUE

PIN#	AGE	COLOR
1	18	RED
2	18	BLACK
3	18	TAN
4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

PIN#	AGE	COLOR
1	-	-
2	-	-

PIN#	AGE	COLOR
1	-	-
2	-	-

CUSTOMER PROVIDED RV-C CAN CONNECTION. THESE ARE
CONNECTED PARALLEL AND EITHER OR BOTH MAY BE USED.
TYPICALLY THE SECOND CONNECTOR WOULD BE USED TO CONTINUE
THE CAN BUS ONTO ANOTHER UNIT OR TO PLACE A TERMINATING
RESISTOR IF THE UNIT IS AT THE END OF THE LINE.

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.

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.

NOTES:

55169 COUNTY ROAD 3
ELKHART, IN 46515

Equalizer

#	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	3/1/17 Pump changed from 7982DYN to 7982DYNKS	SJ	2/27/17		AUTO LEVEL SCHEMATIC	DYNMAX
B	Changed controls to smart level	SJ	5/1/18		SIZE SCALE MATERIAL	
C	Changed control panel to Can Bus version.	SJ	7/13/21		DRW BY: DATE: 11/16/16	PART NAME: SMART LEVEL WIRING SCHEMATIC
					PSF APP'D BY DATE:	PAGE: 1 OF 1 DWG NO.: P8757DYN REV: C

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KEYPAD TO CONTROLLER HARNESS #6975
PUMP TO CONTROLLER HARNESS #6955

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

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

BI-ROTATIONAL PUMP #7948KS

HARNESS 6910

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

COLOR	
PIN/GAGE	
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

KEY PAD #3103

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

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

AUTO LEVEL CONTROLLER #3197

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

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

COLOR	
PIN/GAGE	
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

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

HARNESS 6572C

COLOR	
PIN/GAGE	
B 12	BLACK
A 12	RED

COLOR	
PIN/GAGE	
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
3/1/17 Pump changed from 7948 to 7948KS

BY:

DATE:
2/27/17

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:

BY: NMA

SIZE SCALE MATERIAL

DRW BY:

DATE:

PART NAME:

AUTO LEVEL WIRING SCHEMATIC

PSF

DATE:

DWG. NO.: P8758/8758A

APP'D BY

DATE:

REV:

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PUMP TO CONTROL PANEL HARNESS
#6133-20

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7948KS

HARNESS 6910

PIN#	GAGE	COLOR	
1	18	ORANGE	INPUT. 12V+ TO LEFT REAR VALVE COIL.
2	18	WHITE	INPUT. 12V+ TO RIGHT FRONT VALVE COIL
3	16	BLUE	INPUT. 12V+ TO MOTOR EXTEND SOLENOID
4	18	YELLOW	INPUT. 12V+ TO RIGHT REAR VALVE COIL
5	18	BROWN	INPUT. 12V+ TO LEFT FRONT VALVE COIL
6	16	GREEN	INPUT. 12V+ TO MOTOR RETRACT SOLENOID
7			
8			
9	18	YELLOW/BLACK	PRESSURE SW 12V+ OUTPUT

SMART LEVEL CONTROL PANEL #3197SBT

PIN#	GAGE	COLOR
1	16	RED
2	16	RED
3	16	BLACK

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP

PIN#	GAGE	COLOR
B	16	BLACK
A	12	RED

PIN#	GAGE	COLOR
B	12	BLACK
A	12	RED

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

HARNESS 6572C

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

PIN#	GAGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

6	18	GREEN
7		

OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP EXTEND

8	18	YELLOW
9	18	ORANGE
10	18	WHITE
11	18	BROWN
12	18	BLUE

PIN#	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	TAN
4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

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.

55169 COUNTY ROAD 3 ELKHART, IN 46515		Equalizer	
#	REVISIONS	BY:	DATE:
A	3/1/17 Pump changed from 7948 to 7948KS	SJ	2/27/17
B	Changed controls to smart level	SJ	6/15/18
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	
SIZE SCALE 1: 1		MATERIAL	
DRW BY: PSF	DATE: 8/31/16	PART NAME: SMART LEVEL WIRING SCHEMATIC	
APP'D BY	DATE:	PAGE: 1 OF 1	DWG NO.: P8758A
		REV:	B

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PUMP TO CONTROL PANEL HARNESS
#6133-20

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7948KS

HARNESS 6910

PIN#	GAGE	COLOR	PIN#	GAGE	COLOR	
1	18	ORANGE	1	18	ORANGE	INPUT. 12V+ TO LEFT REAR VALVE COIL
2	18	WHITE	2	18	WHITE	INPUT. 12V+ TO RIGHT FRONT VALVE COIL
3	18	BLUE	3	16	DARK BLUE	INPUT. 12V+ TO MOTOR EXTEND SOLENOID
4	18	YELLOW	4	18	YELLOW	INPUT. 12V+ TO RIGHT REAR VALVE COIL
5	18	BROWN	5	18	BROWN	INPUT. 12V+ TO LEFT FRONT VALVE COIL
6	18	GREEN	6	16	DARK GREEN	INPUT. 12V+ TO MOTOR RETRACT SOLENOID
7			7			
8			8			
9	18	YELLOW/BLACK	9	18	YELLOW/BLACK	PRESSURE SW 12V+ OUTPUT

SMART LEVEL CONTROL PANEL #3197SC

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)	PIN#	GAGE	COLOR
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)	1	16	RED
INPUT GND FROM PUMP	2	16	RED
	3	16	BLACK

PIN#	GAGE	COLOR
B	16	BLACK
A	12	RED

PIN#	GAGE	COLOR
B	12	BLACK
A	12	RED

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

HARNESS 6572C

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

PIN#	GAGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

6	18	GREEN
7		
8	18	YELLOW
9	18	ORANGE
10	18	WHITE
11	18	BROWN
12	18	BLUE

OUTPUT 12V+ TO PUMP VALVE RR

OUTPUT 12V+ TO PUMP VALVE LR

OUTPUT 12V+ TO PUMP VALVE RF

OUTPUT 12V+ TO PUMP VALVE LF

OUTPUT 12V+ TO PUMP EXTEND

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

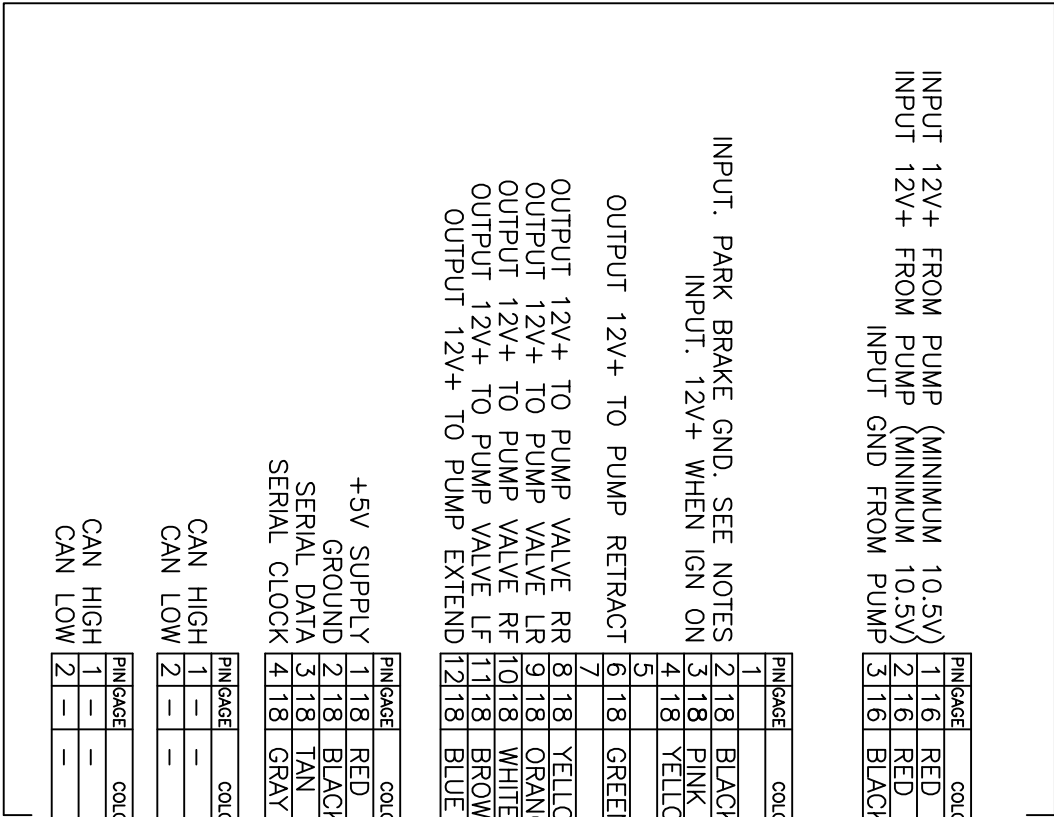
EQUALIZER SYSTEMS
MAIN 12V POWER
INPUT. FROM PUMP
MOTOR SOLENOID
AND CHASSIS
BATTERIES.

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.

CUSTOMER PROVIDED RV-C CAN CONNECTION. THESE ARE CONNECTED PARALLEL AND EITHER OR BOTH MAY BE USED. TYPICALLY THE SECOND CONNECTOR WOULD BE USED TO CONTINUE THE CAN BUS ONTO ANOTHER UNIT OR TO PLACE A TERMINATING RESISTOR IF THE UNIT IS AT THE END OF THE LINE.

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:
A	SJ	2/27/17
B	SJ	6/15/18
C	SJ	7/13/21

3/1/17 Pump changed from 7948 to 7948KS

Changed controls to smart level

Changed control panel to Can Bus Version

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

TITLE
AUTO LEVEL SCHEMATIC

USED ON:

DYNAMAX

SIZE SCALE MATERIAL

DRW BY: DATE: 8/31/16

PSF APP'D BY DATE:

PAGE: 1 OF 1 DWG NO.: P8758A REV: C

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KEYPAD TO CONTROLLER HARNESS #6941
PUMP TO CONTROLLER HARNESS #6955

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

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

KEY PAD #3103

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

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

AUTO LEVEL CONTROLLER #3197

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

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	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	

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	18	ORANGE	
2	18	WHITE	
3	18	BLUE	
4	18	YELLOW	
5	18	BROWN	
6	18	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	

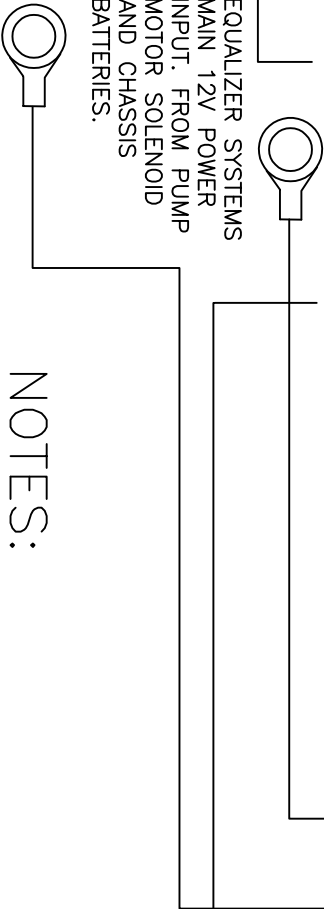
PIN		GAGE	COLOR
B	12	BLACK	
A	12	RED	

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

HARNESS 6572C

HARNESS 6910

BI-ROTATIONAL PUMP #7948KS



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
3/1/17 Pump changed from 7948 to 7948KS

BY:

DATE:
2/2717

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:

BY: N A M A X

SIZE SCALE MATERIAL

A 1: 1

DRW BY: DATE: 8/31/16

PART NAME: AUTO LEVEL WIRING SCHEMATIC

APP'D BY DATE:

PAGE: 1 OF 1

REV: A

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PUMP TO CONTROL PANEL HARNESS
#6133-15

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

PINK(BLUNT)

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7948KS

HARNESS 6910

PIN#	GAGE	COLOR	INPUT.
1	18	ORANGE	12V+ TO LEFT REAR VALVE COIL.
2	18	WHITE	INPUT. 12V+ TO RIGHT FRONT VALVE COIL
3	16	DARK BLUE	INPUT. 12V+ TO MOTOR EXTEND SOLENOID
4	18	YELLOW	INPUT. 12V+ TO RIGHT REAR VALVE COIL
5	18	BROWN	INPUT. 12V+ TO LEFT FRONT VALVE COIL
6	16	DARK GREEN	INPUT. 12V+ TO MOTOR RETRACT SOLENOID
7			
8			
9	18	YELLOW/BLACK	PRESSURE SW 12V+ OUTPUT

SMART LEVEL CONTROL PANEL #3197SBT

PIN#	GAGE	COLOR
1	16	RED
2	16	RED
3	16	BLACK

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP

PIN#	GAGE	COLOR
B 16		BLACK
A 12		RED

PIN#	GAGE	COLOR
B 12		BLACK
A 12		RED

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

HARNESS 6572C

INPUT. PARK BRAKE GND. SEE NOTES

INPUT. 12V+ WHEN IGN ON

PIN#	GAGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

6	18	GREEN
7		

OUTPUT 12V+ TO PUMP VALVE RR

8 18 YELLOW

OUTPUT 12V+ TO PUMP VALVE LR

9 18 ORANGE

OUTPUT 12V+ TO PUMP VALVE RF

10 18 WHITE

OUTPUT 12V+ TO PUMP VALVE LF

11 18 BROWN

OUTPUT 12V+ TO PUMP EXTEND

12 18 BLUE

PIN#	GAGE	COLOR
1	18	RED
2	18	BLACK
3	18	TAN
4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

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:

A

3/1/17 Pump changed from 7948 to 7948KS

SJ

2/27/17

TITLE
AUTO LEVEL SCHEMATIC

USED ON:

DYNAMAX

B

Changed controls to smart level

SJ

6/15/18

SIZE
SCALE

MATERIAL

DRW BY:

DATE:

PSF 8/31/16

PART NAME:

SMART LEVEL WIRING SCHEMATIC

APP'D BY

DATE:

PAGE: 1 OF 1 DWG NO.: P8772A

REV:

B

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PUMP TO CONTROL PANEL HARNESS
#6133-40

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

PINK(BLUNT)

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7960KS

HARNES 6910

PINPAGE	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

SMART LEVEL CONTROL PANEL #3197SBT

		PIN/GAGE	COLOR
INPUT 12V+	FROM PUMP (MINIMUM 10.5V)	1 16	RED
INPUT 12V+	FROM PUMP (MINIMUM 10.5V)	2 16	RED
INPUT	GND FROM PUMP	3 16	BLACK

PIN	GAGE	COLOR
B	16	BLACK
A	12	RED

PIN GAGE	COLOR
B 12	BLACK
A 12	RED

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

HARNES 65720

INPUT. PARK BRAKE GND. SEE NOTES	2	18	BLACK/YELLOW
INPUT. 12V+ WHEN IGN ON	3	18	PINK
	4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

OUTPUT 12V+	TO PUMP VALVE	RR	8	18	YELLOW
OUTPUT 12V+	TO PUMP VALVE	LR	9	18	ORANGE
OUTPUT 12V+	TO PUMP VALVE	RF	10	18	WHITE
OUTPUT 12V+	TO PUMP VALVE	LF	11	18	BROWN
OUTPUT 12V+	TO PUMP EXTEND		12	18	BLUE

	PN	AGE	COLOR
+5V SUPPLY	1	18	RED
GROUND	2	18	BLACK
SERIAL DATA	3	18	TAN
SERIAL CLOCK	4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

TITLE		USED ON:	
AUTO LEVEL SCHEMATIC		DYNAMAX	
SIZE	SCALE	MATERIAL	
A	1: 1		
DRW BY:	DATE:	PART NAME:	
SJ	6/29/18	SMART LEVEL WIRING SCHEMATIC	
APP'D BY	DATE:	PAGE:	DWG NO.:
		1 OF 1	P8792A
			REV:

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.

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.

NOTES:

GROUND INPUT
FROM CHASSIS
CONNECTED TO STUD
ON SIDE OF PUMP

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

55169 COUNTY ROAD 3
ELKHART, IN 46515

#

REVISIONS

BY:

DATE:

UNLESS OTHERWISE

TITLE	AUTO LEVEL SCHEMATIC

USED ON:

DYNAX

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PUMP TO CONTROL PANEL HARNESS
#6133-40

CHASSIS INTERFACE CONNECTIONS

INPUT. IGNITION FROM COACH. 12V+ WHEN IGN ON.

PINK(BLUNT)

INPUT. PARK BRAKE GND WHEN BRAKE ON BLACK/YELLOW(BLUNT)

BI-ROTATIONAL PUMP #7960KS

HARNESS 6910

PIN#	AGE	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#	AGE	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

SMART LEVEL CONTROL PANEL #3197SC

INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT 12V+ FROM PUMP (MINIMUM 10.5V)
INPUT GND FROM PUMP

PIN#	AGE	COLOR
1	16	RED
2	16	RED
3	16	BLACK

PIN#	AGE	COLOR
B	16	BLACK
A	12	RED

PIN#	AGE	COLOR
B	12	BLACK
A	12	RED

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

HARNESS 6572C

INPUT. PARK BRAKE GND. SEE NOTES
INPUT. 12V+ WHEN IGN ON

PIN#	AGE	COLOR
1		
2	18	BLACK/YELLOW
3	18	PINK
4	18	YELLOW/BLACK

OUTPUT 12V+ TO PUMP RETRACT

5		
6	18	GREEN
7		

OUTPUT 12V+ TO PUMP VALVE RR
OUTPUT 12V+ TO PUMP VALVE LR
OUTPUT 12V+ TO PUMP VALVE RF
OUTPUT 12V+ TO PUMP VALVE LF
OUTPUT 12V+ TO PUMP EXTEND

8	18	YELLOW
9	18	ORANGE
10	18	WHITE
11	18	BROWN
12	18	BLUE

+5V SUPPLY
GROUND
SERIAL DATA
SERIAL CLOCK

PIN#	AGE	COLOR
1	18	RED
2	18	BLACK
3	18	TAN
4	18	GRAY

OPTIONAL REMOTE
SENSOR CABLE

PIN#	AGE	COLOR
1	—	—
2	—	—
PIN#	AGE	COLOR
1	—	—
2	—	—

CUSTOMER PROVIDED RV-C CAN CONNECTION. THESE ARE
CONNECTED PARALLEL AND EITHER OR BOTH MAY BE USED.
TYPICALLY THE SECOND CONNECTOR WOULD BE USED TO CONTINUE
THE CAN BUS ONTO ANOTHER UNIT OR TO PLACE A TERMINATING
RESISTOR IF THE UNIT IS AT THE END OF THE LINE.

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
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CONTROLLER ARE GROUND INPUTS. IT IS PULLED
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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:

TITLE
AUTO LEVEL SCHEMATIC

USED ON:

DYNAMAX

SIZE SCALE MATERIAL

DRW BY: DATE:

SJ 7/21/21

APP'D BY DATE:

— —

PART NAME:
SMART LEVEL WIRING SCHEMATIC

PAGE: 1 OF 1 DWG NO.: P8792C-8856C-8973C REV: —

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