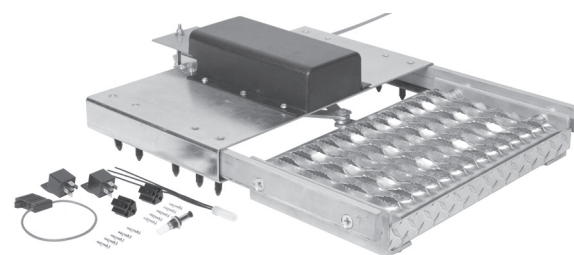


QUIC-STEP® HORIZONTAL VEHICLE STEP
MODEL HVS-1
PARTS AND INSTRUCTION MANUAL



Step-Out with Confidence

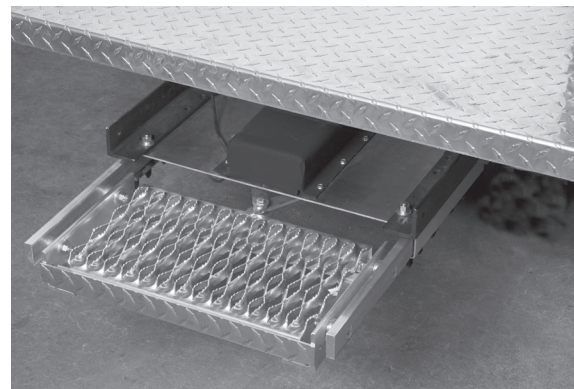
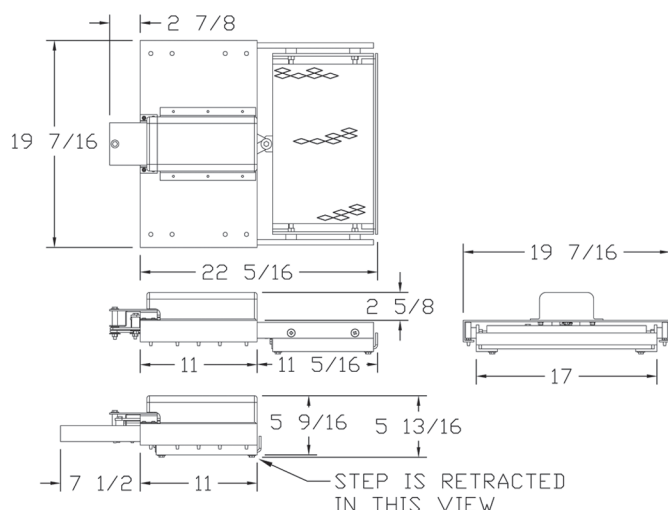
The HVS-1 meets NFPA 1901-09 requirements.



Designed specifically for use on fire and emergency vehicles. May be retrofitted onto existing apparatus.

The open diamond pattern stepping surface is 15" wide x 9.5" deep. The surface is a non-skid surface to provide traction and safety.

The HVS-1 only requires 20" wide x 11" deep mounting surface with an additional 8" clearance behind unit for the retracted arms allowing it to fit almost anywhere.



The HVS-1 is designed to sustain a static load of 500 lbs. This should be taken into account in determining strength required of mounting surface.

The HVS-1 only needs 3" spacing below mounting surface to clear components.

MODEL	DESCRIPTION	WT./@ IN LBS.
HVS-1	Horizontal Vehicle Step	24.1

FIGURE 1 - FIELD WIRING DIAGRAM

MODE OF OPERATION

- * PROVIDE POWER TO HVS-1

EXTEND MODE:

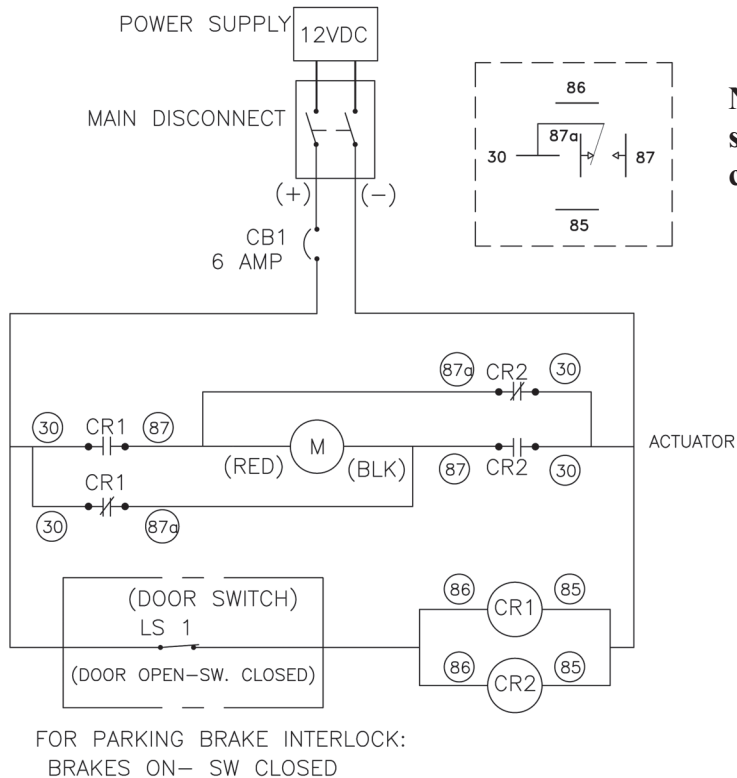
- * STEP WILL AUTOMATICALLY EXTEND AS SOON AS THE DOOR IS OPENED.
- * STEP WILL REMAIN EXTENDED SO LONG AS DOOR REMAINS OPEN.

RETRACTED MODE:

- * STEP WILL AUTOMATICALLY RETRACT AS SOON AS THE DOOR IS CLOSED.
- * STEP WILL REMAIN RETRACTED AS LONG AS DOOR REMAINS CLOSED.

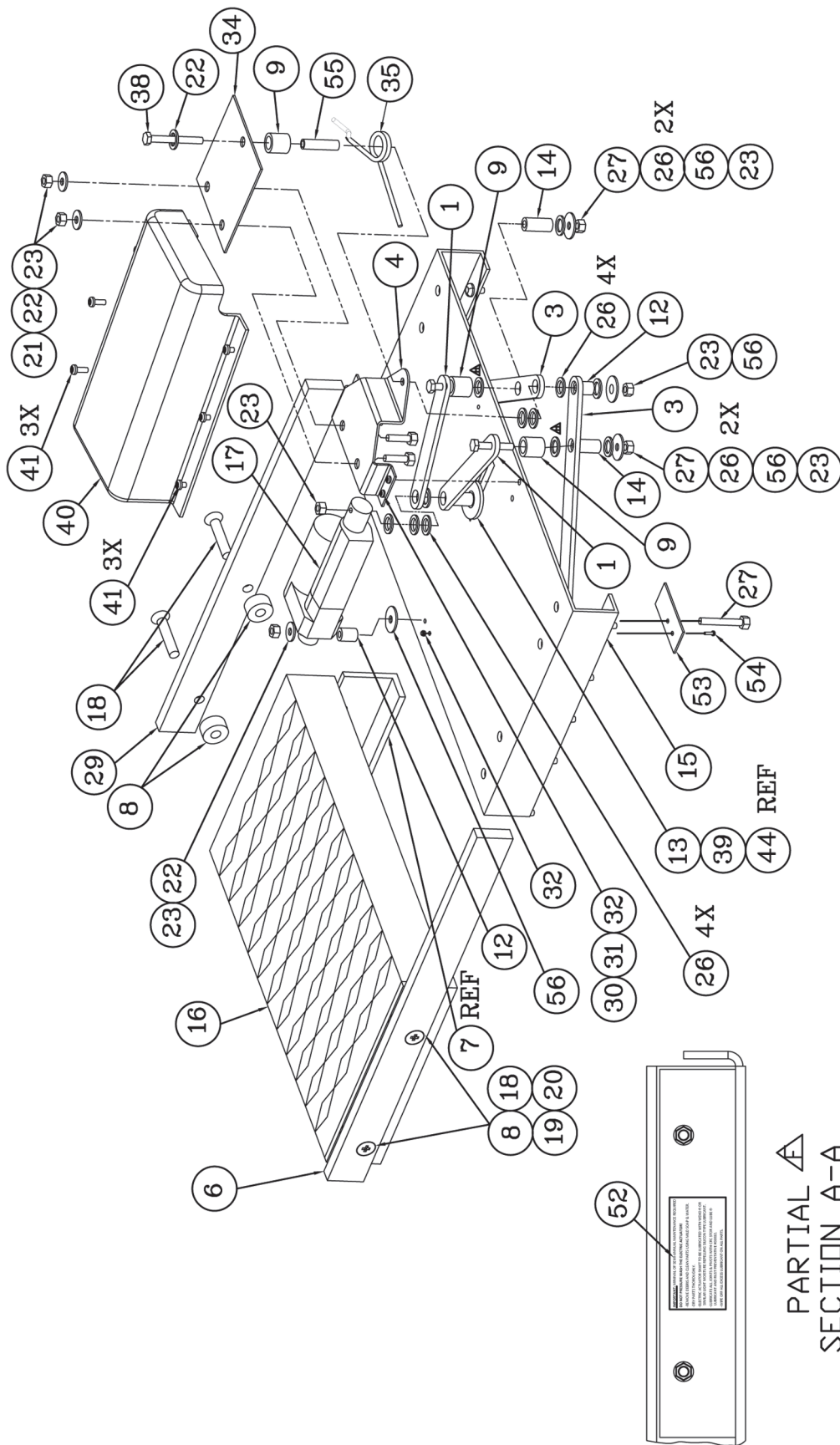
ITEM	DESIGNATION	PART NO.	DESCRIPTION	QTY.
1	(M)	3094-200-133	Actuator	1
2		0000-025-107	Fuseholder	1
3	CB1	3094-200-155	Circuit Breaker, 6 Amp, Self Resetting	1
4	LS1	3097-270-105	Door Switch	1
5	CR1, CR2	3094-200-163	Relay	2
6		3094-200-165	Connector w/Terminals	2
7		3097-270-113	Butt Splice, Blue	4

NOTE:
CIRCLED NUMBERS ARE NUMBERS MARKED ON DEVICE.
COLOR IN BRACKETS— DEVICE WIRE COLORS

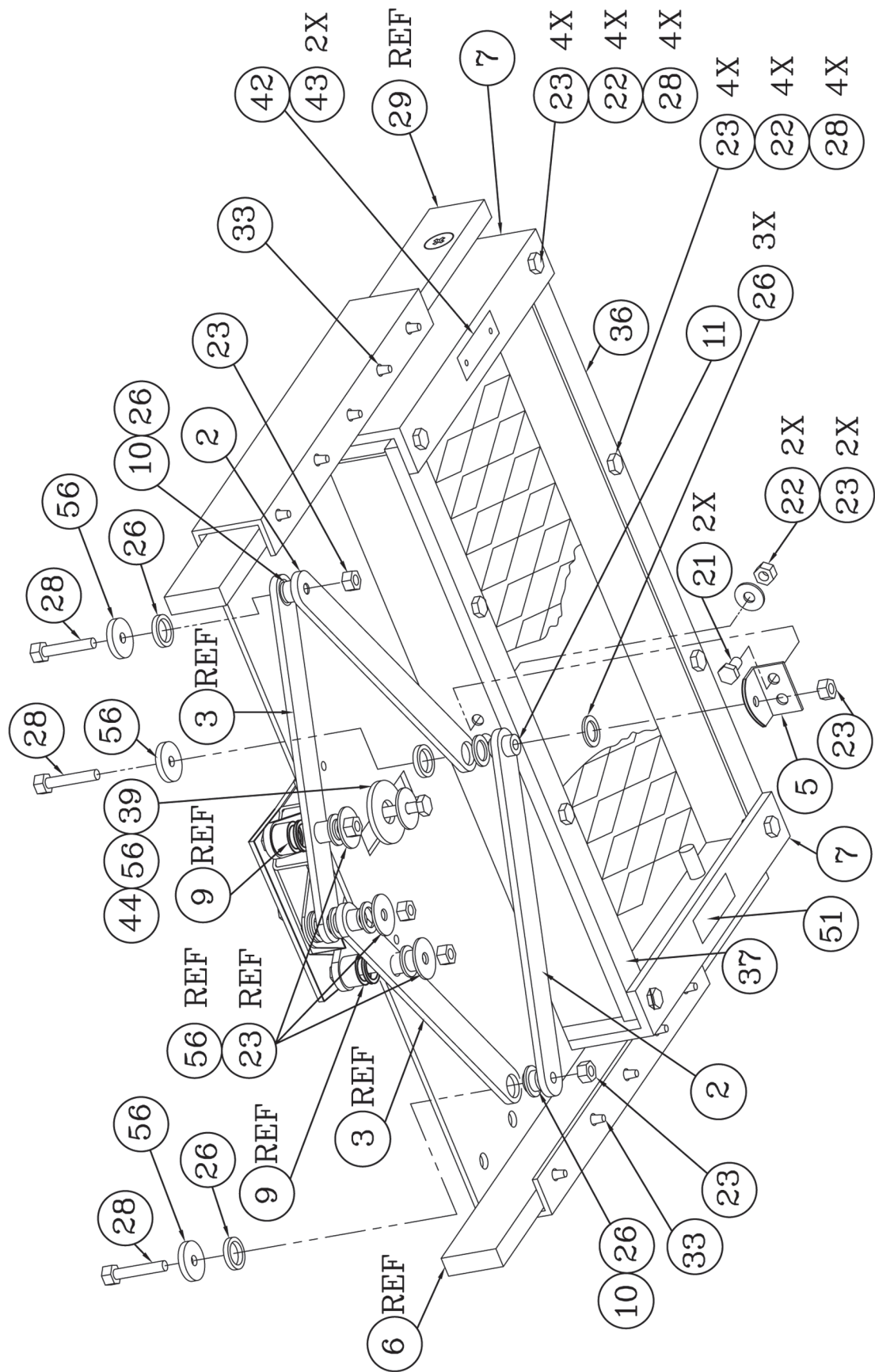


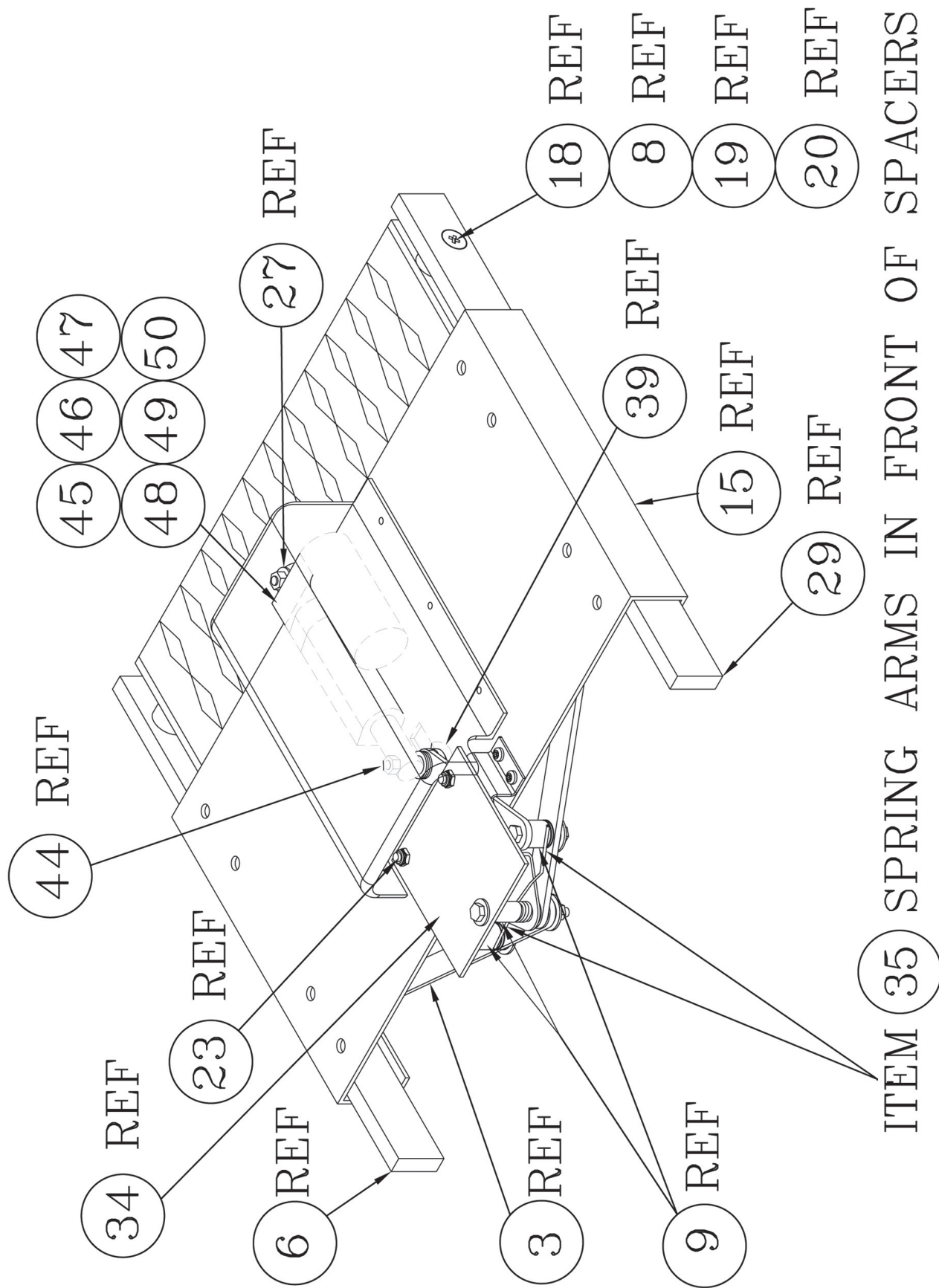
Parts Breakdown

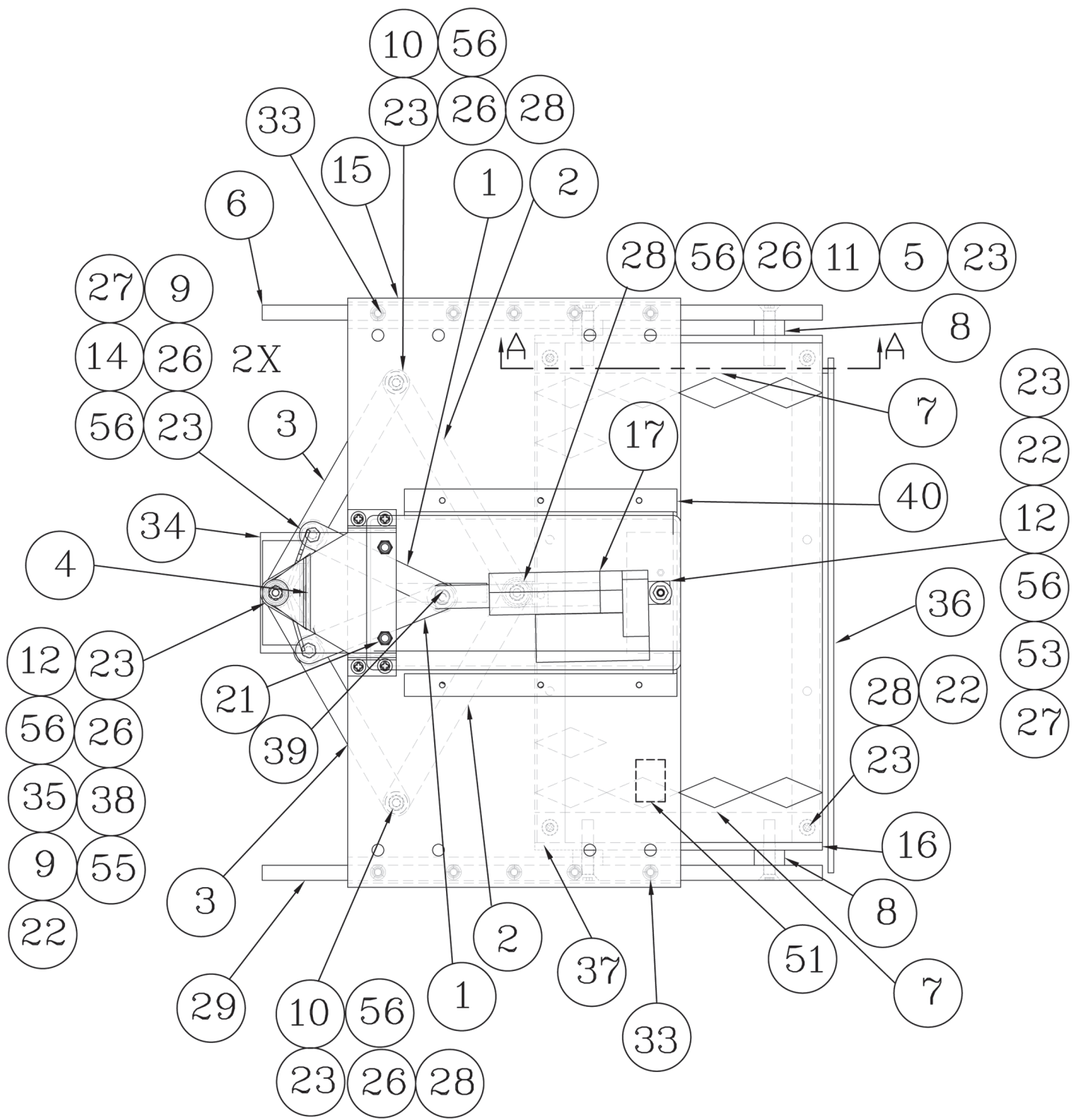
ITEM	PART NO.	DESCRIPTION	QTY.	ITEM	PART NO.	DESCRIPTION	QTY.
1	3094-200-101	Linkage, Short A	2	30	9010-242008	10-32 x 1/2" Screw ZPS	4
2	3094-200-103	Linkage, Long A	2	31	9014-111900	#10 Washer ZPS	4
3	3094-200-105	Linkage, Long B	2	32	9013-172000	10-32 Nut ZPS	5
4	3094-200-107	Actuator Bracket	1	33	3094-200-137	3/16" Tree Rivits	10
5	3094-200-109	Step Bracket	1	34	3094-200-149	Actuator Bracket Top	1
6	3094-200-111	Step Rail Right	1	35	3094-200-171	Step Servo Spring	1
7	3094-200-113	Grating Cap	2	36	3094-200-143	Strut Strength Angle	1
8	3094-200-115	Spacer, 3/8 ID x 1 OD x .5	4	37	3094-200-145	Strut Strength Plate	1
9	3094-200-117	Spacer, 1/2 ID x 3/4 OD x 1	3	38	9010-102548	1/4-20 x 3" Hex Screw	1
10	3094-200-119	Spacer, 1/4 ID x 1/2 OD x .34	2	39	3094-200-181	Washer, 1/2 ID x 2 OD, 1/16 Nylon	2
11	3094-200-121	Spacer, 1/4 ID x 1/2 OD x .59	1	40	3094-200-161	Actuator Cover	1
12	3094-200-123	Spacer, 1/4 ID x 1/2 OD x .65	2	41	9025-172006	10-32 x 3/8" Screw	6
13	3094-200-125	Spacer, 1/4 ID x 1/2 OD x .913	1	42	0000-000-112	Serial # Tag - Metal	1
14	3094-200-127	Spacer, 1/4 ID x 1/2 OD x 1.281	2	43	9120-101103	#4 x 3/16 Drive Screw Type U	2
15	3094-200-129	Step Housing	1	44	9015-102536	Screw Hex 1/4-20 x 2-1/4"	1
16	3094-200-131	Grating	1	45	0000-061-020	22-20 GA. Cavity Seal, Purple	2
17	3094-200-133	Actuator	1	46	0000-061-018	20-18 GA. Cavity Seal, Green	2
18	9010-293732	3/8-16 x 2" Screw	4	47	0000-060-002	Weather Pack Housing, Female	2
19	9014-113700	3/8" Flat Washer	4	48	0000-060-001	Weather Pack Housing, Male	2
20	9013-113700	3/8-16 Nut	4	49	0000-062-180	20-18 GA. Weather Pack Terminal, Male	2
21	9010-102512	1/4-20 x 3/4" Hex Screw	4	50	0000-062-181	20-18 GA. Weather Pack Terminal, Female	2
22	9014-112500	Washer, 1/4 x 5/8 OD SAE S/S	14	51	3094-005-190	Label, "WARNING DISCONNECT FROM POWER"	1
23	9015-172500	1/4-20 Nut	18	52	0000-000-163	Label, Actuator and Linkage Maint	1
26	3097-105-130	Washer, 1/2 ID x 3/4 OD, 1/16 Nylon	21	53	3094-200-183	Stiffener Plate	1
27	9015-102532	1/4-20 x 2" Hex Screw	3	54	9010-242010	#10-32 x 5/8" ZPS Machine Screw	1
28	9015-102516	1/4-20 x 1" Hex Screw	11	55	3094-200-147	Spacer, 1/4 ID x 1/2 OD x 1.39	1
29	3094-200-135	Step Rail Left	1	56	9014-162500	Washer, 1/4 x 1-1/4 OD Fender, SZP	8



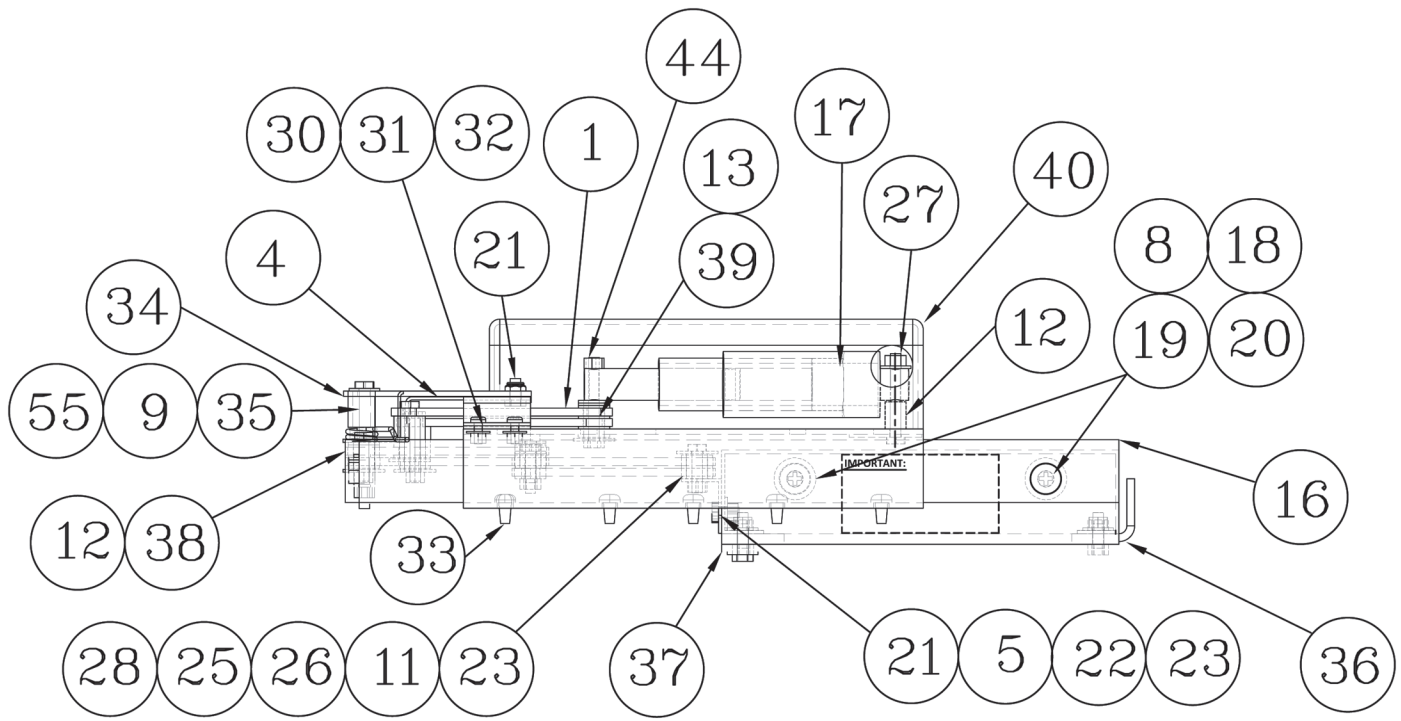
PARTIAL 
SECTION A-A





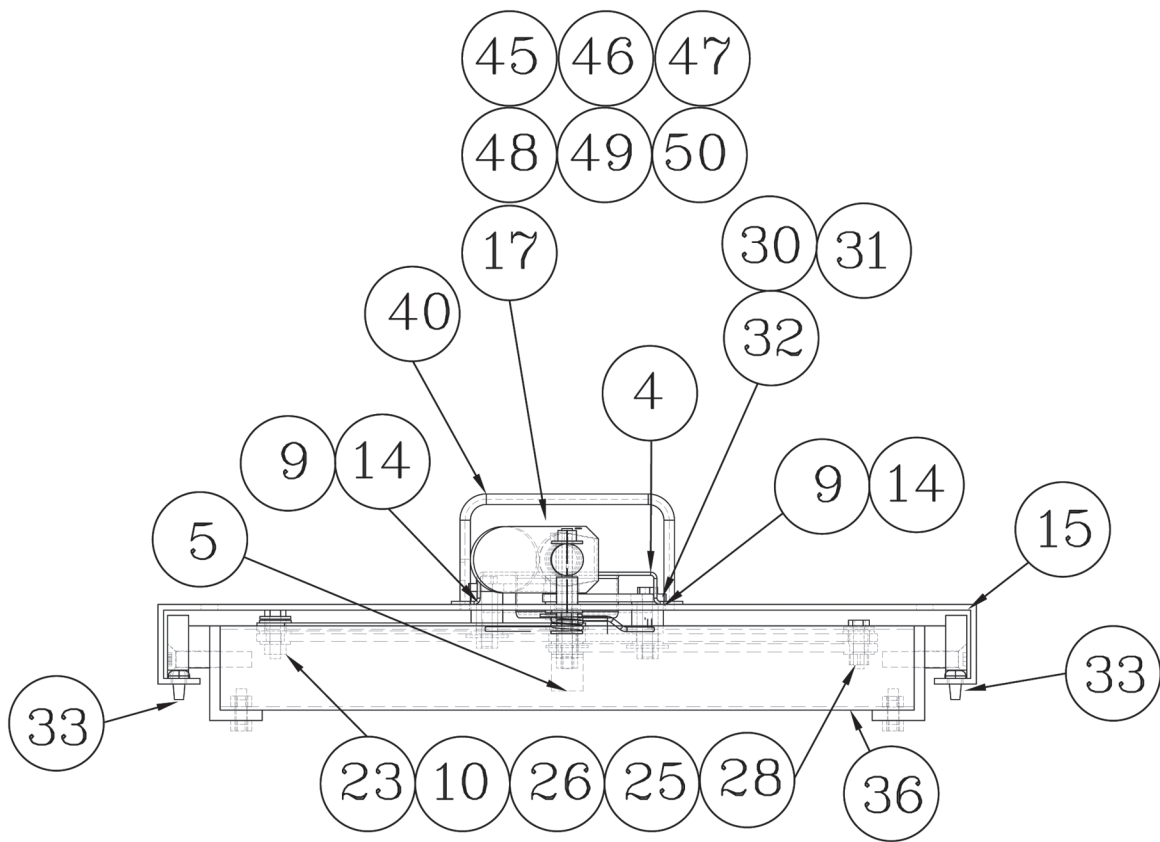


TOP VIEW



ALL ITEMS IN THIS VIEW
ARE FOR REFERENCE.

LEFT HAND VIEW



ALL ITEMS IN THIS VIEW ARE FOR REFERENCE.

REAR VIEW

Maintenance

A. Semi-Annual Required Maintenance

IMPORTANT: Minimum of semi-annual maintenance is required under harsher conditions. Where the excess build-up of road salt, dirt...etc. occurs, a more frequent maintenance schedule should be performed. A 3 month interval or more may be necessary.

WARNING: DO NOT pressure wash the electric actuator!

1. Visually inspect step linkages for excess dirt build-up, wear of the nylon buttons or debris in the rail tracks. Clean parts using mild soap and water. Dry thoroughly.
2. Lubricate all joints and pivots with CRC Stor & Lube long-term lubricant and rust preventative #03032. Excess lubrication should be wiped off.
3. Lubricate the rail tracks with door jam grease where the sides of the stop rails run along the rail tracks.



Ziamatic Corp.

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www.ziamatic.com

TOLL FREE: 800-711-3473

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WARRANTY REGISTRATION

PLEASE MAIL OR FAX A COPY TO ZICO AT 866-493-1401 TO REGISTER YOUR UNIT

FIRE DEPARTMENT NAME: _____ CONTACT PERSON: _____

PHONE NO. _____ FAX NO. _____

STREET ADDRESS: _____ P.O. BOX: _____

CITY: _____ STATE: _____ ZIP: _____

UNIT MODEL NO.: _____

SERIAL NO. ON UNIT: (SEE TAG) _____

INSTALLED ON: (VEHICLE MFG.) _____ DELIVERED: (DATE) _____

WAS UNIT INSTALLED ON: _____ NEW VEHICLE

_____ RETROFITTED ONTO EXISTING VEHICLE

WHERE DID YOU HEAR ABOUT OUR PRODUCT?

_____ MAGAZINE AD (SPECIFY) _____

_____ DEALER (SPECIFY) _____

_____ VEHICLE MFG. (SPECIFY) _____

_____ ANOTHER DEPARTMENT (SPECIFY) _____

_____ OTHER (SPECIFY) _____