

# M.S. Foster & Associates, Inc.

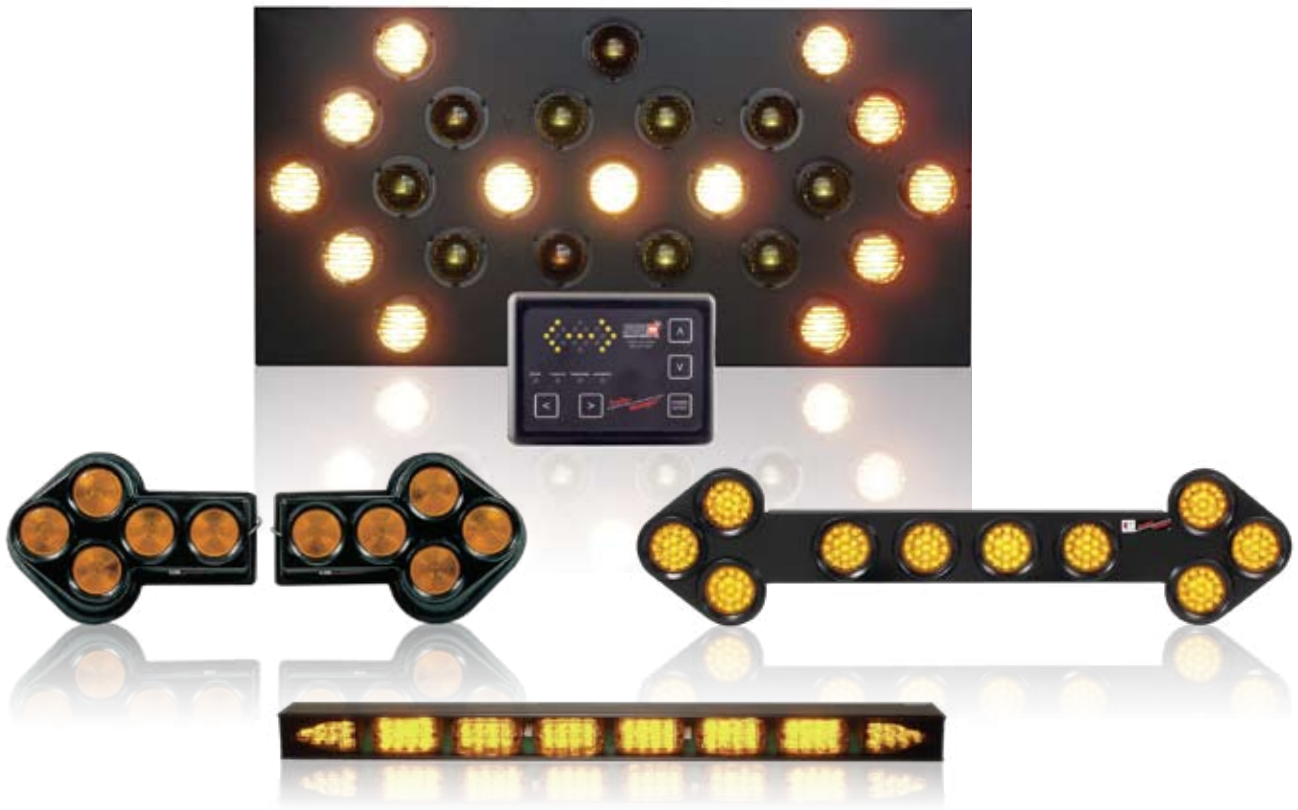
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1866 N. Country Lane, Michigan City, IN 46360




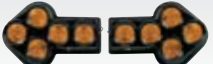
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## Quick Reference Guide



## ARROW LIGHTS

	VOLTAGE	CURRENT DRAW	SIZE	BASE	MOUNTING	FLASHING MODES	WARRANTY	PART #'S
<b>800 SERIES LED</b> 	12 or 24vdc	7AMPS	55"L x 13"H	Heavy gauge enamel-dipped aluminum	Magnetic mount kit, hinged bracket mount kit	Left, right, double arrow and caution bar	1 Year	SY800-LED SY800-LED-50 SY800-24VDC-LED
<b>855 SERIES LED</b> 	12 or 24vdc	7AMPS	22.5"L x 16"H - 2 pieces per set	ABS high-impact corrosion-resistant plastic base with sealed back	Magnetic mount kit	Left, right, and double arrow	1 Year	SY855-LED SY855-LED-50 SY855-LED-24VDC SY855-LED-50-24VDC
<b>800 SERIES INCANDESCENT</b> 	12 or 24vdc	20AMPS	55"L x 13"H	Heavy gauge enamel-dipped aluminum	Magnetic mount kit, hinged bracket mount kit	Left, right, double arrow and caution bar	1 Year	SY800 SY800-50 SY800-24VDC
<b>855 SERIES INCANDESCENT</b> 	12 or 24vdc	20AMPS	22.5"L x 16"H - 2 pieces per set	ABS high-impact corrosion-resistant plastic base with sealed back	Magnetic mount kit	Left, right, and double arrow	1 Year	SY855 SY855-50 SY855-24VDC

Part number includes Arrow Light, Diagnostic Controller, and 25' or 50' wiring harness

## REPLACEMENT PARTS & ACCESSORIES

SY800PANEL (12vdc)  
SY800PANEL-24VDC (24vdc)  
• Incandescent arrow panel



SY800PANEL-LED (12vdc)  
SY800PANEL-24VDC-LED (24vdc)  
• LED arrow panel



SY811 (SY800 SERIES ONLY)  
• Magnetic mount kit



SY812 (12vdc)  
SY824 (24vdc)  
• Incandescent lamp



SY812L (12vdc)  
SY824L (24vdc)  
• LED lamp



SY812A  
• Grommet



SY825  
• Hinged bracket



SY830  
• Dust cover



SY855L (12vdc)  
SY855L-24VDC (24vdc)  
• Left arrow



SY855L-LED (12vdc)  
SY855L-24VDC-LED (24vdc)  
• LED left arrow



SY855R (12vdc)  
SY855R-24VDC (24vdc)  
• Right arrow



SY855R-LED (12vdc)  
SY855R-24VDC-LED (24vdc)  
• LED right arrow



SY8000000  
• Controller  
• Size: 4.75"L x 3.5"W x 1.16"D



SY8000000-A  
• Driver w/ 25' cable  
• Used with 800 Series



SY8000000-A-50  
• Driver w/ 50' cable  
• Used with 800 Series



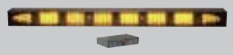




SY8550000-A  
• Driver w/ 25' cable  
• Used with 855 Series



SY8550000-A-50  
• Driver w/ 50' cable  
• Used with 855 Series



## ARROW LIGHTS - SEQUENTIAL






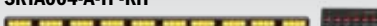

	VOLTAGE	CURRENT DRAW	SIZE	LAMPS	BRIGHTNESS CONTROL	SPEED CONTROL	SEQUENTIAL MODES	WARRANTY	PART #'S
<b>900 SERIES LED</b> 	12VDC	2AMPS MAX	42"L x 3.75"D x 3"H	8 LED pods rated at 100,000 hour life	High/Low	Fast/Slow	Left and right arrows, center out and 2 alternating flash patterns	1 Year	SY900-LED SY900-50-LED
<b>950 SERIES LED</b> 	12VDC	2AMPS MAX	21"L x 3.75"D x 3"H - 2 pieces per set	8 LED pods rated at 100,000 hour life	High/Low	Fast/Slow	Left and right arrows, center out and 2 alternating flash patterns	1 Year	SY950-LED SY950-50-LED
<b>900 SERIES HALOGEN</b> 	12 or 24VDC	2 options 20AMPS MAX  1 option 4AMPS MAX	42"L x 3.75"D x 3"H	8 Lamps featuring 35WATT halogen	High/Low	Fast/Slow	Left and right arrows, center out and 2 alternating flash patterns	1 Year	SY900 SY900-50 SY900-24VDC
<b>950 SERIES HALOGEN</b> 	12VDC	2 options 20AMPS MAX  1 option 4AMPS MAX	21"L x 3.75"D x 3"H - 2 pieces per set	8 Lamps featuring 35WATT halogen	High/Low	Fast/Slow	Left and right arrows, center out and 2 alternating flash patterns	1 Year	SY950 SY950-50
<b>960 SERIES INCANDESCENT</b> 	12-24VDC	20AMPS MAX	42"L x 3.75"D x 3"H	8 sealed lamps - Each 25 watt incandescent	High/Low	Fast/Slow	Left, right, center out & 2 alternating flash patterns	1 Year	SY960

Part number includes Arrow Light and Diagnostic Controller



## REPLACEMENT PARTS & ACCESSORIES

<b>SY900-SW</b> <ul style="list-style-type: none"> <li>Rotary switch assembly</li> <li>900 &amp; 950 Series</li> </ul> 	<b>SY900-X</b> <ul style="list-style-type: none"> <li>Arrow decal</li> <li>900 &amp; 950 Series</li> </ul> 	<b>SY921-PLUG</b> <ul style="list-style-type: none"> <li>9 Position plug for control box wiring harness</li> <li>900 &amp; 950 Series</li> </ul> 	<b>SY921 (12VDC) SY921-24VDC (24VDC)</b> <ul style="list-style-type: none"> <li>Control box</li> <li>900, 950 Series</li> </ul> 	<b>SY922</b> <ul style="list-style-type: none"> <li>Amber Lens</li> <li>900, 950 &amp; 960 Series</li> </ul> 	<b>SY924</b> <ul style="list-style-type: none"> <li>Clear dust cover</li> <li>900 Series</li> </ul> 
<b>SY925 (12VDC) SY925-24 (24VDC)</b> <ul style="list-style-type: none"> <li>Halogen lamps</li> <li>900 &amp; 950 Series (12VDC)</li> <li>900 Series (24VDC)</li> </ul> 	<b>SY927</b> <ul style="list-style-type: none"> <li>Magnetic mount kit</li> <li>900, 950 &amp; 960 Series</li> </ul> 	<b>SY928</b> <ul style="list-style-type: none"> <li>Universal mount kit</li> <li>900, 950 &amp; 960 Series</li> </ul> 	<b>SY929</b> <ul style="list-style-type: none"> <li>Clear dust cover</li> <li>950 Series</li> </ul> 	<b>SY930</b> <ul style="list-style-type: none"> <li>L-Bracket mount kit</li> <li>900, 950 &amp; 960 Series</li> </ul> 	<b>SY934</b> <ul style="list-style-type: none"> <li>Flush mount kit</li> <li>900, 950 &amp; 960 Series</li> </ul> 
<b>EL360-1156</b> <ul style="list-style-type: none"> <li>12VDC lamps</li> <li>960 Series</li> </ul> 	<b>SY960-M</b> <ul style="list-style-type: none"> <li>12VDC Amber Lamp &amp; Lens Module</li> <li>960 Series</li> </ul> 	<b>SY3980960</b> <ul style="list-style-type: none"> <li>Diagnostic Controller</li> <li>960 Series</li> </ul> 	<b>EL390-0426 (25' CABLE) EL390-0451 (50' CABLE)</b> <ul style="list-style-type: none"> <li>Power Cable (25' or 50')</li> <li>960 Series</li> </ul> 	<b>SY3970025 (25' CABLE) SY3970050 (50' CABLE)</b> <ul style="list-style-type: none"> <li>Controller Cable (25' or 50')</li> <li>960 Series</li> </ul> 	

## TRAFFIC ARROWS - LED

	VOLTAGE	LEDS PER HEAD	DESCRIPTION	FLASH PATTERNS	HOUSING	DIMENSIONS	CURRENT DRAW	HARNES	COLORS LEDS/LENS	WARRANTY
<b>SRTA604-A-TP</b> 	12vdc	4	6 Head traffic arrow	11 Arrow 11 Warning	Aluminum	26.90"L x 1.35"H x 2.5"D	4.2AMPS Max	20'	Amber/Clear	5 Year
<b>SRTA804-A-TP</b> 	12vdc	4	8 Head traffic arrow	11 Arrow 11 Warning	Aluminum	35.85"L x 1.35"H x 2.5"D	5.6AMPS Max	20'	Amber/Clear	5 Year
<b>SRTA004-A-TP</b> 	12vdc	4	10 Head traffic arrow	11 Arrow 11 Warning	Aluminum	44.85"L x 1.35"H x 2.5"D	7AMPS Max	20'	Amber/Clear	5 Year
<b>SRTA604-A-TP-KIT</b> 	12vdc	4	6 Head traffic arrow with controller	11 Arrow 11 Warning	Aluminum	26.90"L x 1.35"H x 2.5"D	4.2AMPS Max	20'	Amber/Clear	5 Year
<b>SRTA804-A-TP-KIT</b> 	12vdc	4	8 Head traffic arrow with controller	11 Arrow 11 Warning	Aluminum	35.85"L x 1.35"H x 2.5"D	5.6AMPS Max	20'	Amber/Clear	5 Year
<b>SRTA004-A-TP-KIT</b> 	12vdc	4	10 Head traffic arrow with controller	11 Arrow 11 Warning	Aluminum	44.85"L x 1.35"H x 2.5"D	7AMPS Max	20'	Amber/Clear	5 Year
<b>SRSA804-A</b> 	12vdc	4	Split Traffic Arrow with Controller	11 Arrow 11 Warning	Aluminum	(2) 18"L x 1.25"H x 2.5"D	5.6AMPS Max	25'	Amber/Clear	5 Year

## WARNING STICKS - LED

	VOLTAGE	LEDS PER HEAD	DESCRIPTION	FLASH PATTERNS	HOUSING	DIMENSIONS	CURRENT DRAW	HARNES	COLORS LEDS/LENS	WARRANTY
<b>SRWW204-A</b> 	12vdc	4	2 Head warning stick	26	Aluminum	8.95"L x 1.35"H x 2.5"D	1.4AMPS Max	20'	Amber/Clear	5 Year
<b>SRWW404-A</b> 	12vdc	4	4 Head warning stick	26	Aluminum	17.90"L x 1.35"H x 2.5"D	2.8AMPS Max	20'	Amber/Clear	5 Year

### TRAFFIC ARROWS FLASH PATTERNS

	Arrow Patterns (Orange/Blue)	Warning Patterns (Brown)	End Flasher Patterns (Green)
0	Sweep Single	Random	Random
1	Sweep Double	Outside-In Single	Single (split)
2	Sweep Triple	Outside-In Ultra	Quad (split)
3	Sweep Single End x2	Side-by-Side Single	Mega (split)
4	Solid	Side-by-Side Ultra	Ultra (split)
5	Solid End2	Kit Scan	Single-Quad (split)
6	Solid Chaser	Single (split)	Single (all)
7	Solid Fade	Ultra (split)	Quad (all)
8	Blink Double	Single H/L (split)	Ultra (all)
9	Blink Triple	Single (all)	Single-Quad (all)
10	Blink Solid	Ultra (all)	**In-Sync-Mode

\*(split) = side by side alternating

\*(all) = all LEDs on

NOTE: To activate Warning Patterns (Brown), the Arrow Function (Orange, Blue) must be deactivated.

### WARNING STICKS FLASH PATTERNS

FP#	FLASH PATTERN	FP#	FLASH PATTERN	FP#	FLASH PATTERN
0	Kit Scan	9	Quint (split)	18	Mega (all)
1	Outside-In Single	10	Mega (split)	19	Ultra (all)
2	Outside-In Ultra	11	Ultra (split)	20	Single-Quad (all)
3	Side-by-Side Single	12	Single-Quad (split)	21	Single H/L (all)
4	Side-by-Side Ultra	13	Single H/L (split)	22	Steady 2 (California)
5	Random	14	Single (all)	23	Steady 4 (all)
6	Single (split)	15	Double (all)	24	Left Chaser
7	Double (split)	16	Quad (all)	25	Right Chaser
8	Quad (split)	17	Quint (all)		

\*(split) = side by side alternating

\*(all) = all LEDs on

The following FP# are not available in 2 head Sticks: FP# 0, 1, 2, 3, 4, 24, 25

## REPLACEMENT PARTS & ACCESSORIES

### SYMB-LA

- Adjustable height / angle bracket



### SYMB-LC

- Flush /surface mount bracket



### SYMB-LB

- L-bracket



### SRSW610-TA

- Controller



### SRNLED04-A

- 4 LED Module, Amber



### SR8SR25

- Extension Cable 25'



### SYMB-LCSA

- Flush /surface mount bracket, SRS Series



### SYMB-LBSA

- L-bracket, SRS Series



## ARROW BOARDS

### SY382 & SY385 SERIES

#### ARROW BOARD FEATURES:

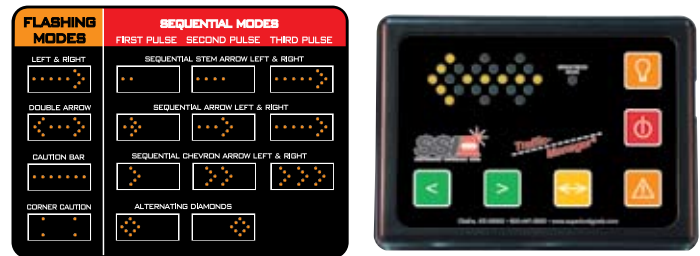
- Meets M.U.T.C.D. specifications
- Aluminum panels and frame
- 180° Half hoods
- LED lamps with patented mirror technology
- Visibility up to 1 mile
- 12vdc
- Photocell for automatic dimming
- Warranty: 1 year



Description	SY382	SY385
# of Sides	Single	Double
# of Lamps	25	25 per side
# of Controllers	1	2
Sizes	30" x 60", 36" x 72"	30" x 60"

#### CONTROL FEATURES:

- Simplified one touch functions
- Visual indication of arrow modes on controller
- Built in diagnostic feature warns of defective lamps, low vehicle battery and short circuit condition
- Auto up/down motor function
- Automatic or manual brightness control (7 levels, 40% - 100%)
- 12 Arrow Modes - 5 flashing modes and 7 sequential modes
- 35' Control cable



MODEL	DESCRIPTION
SY3823060L	30" x 60" 25 Lamp, Par 36, LED arrow board
SY3823672L	36" x 72" 25 Lamp, Par 36, LED arrow board
SY3853060L	30" x 60" 50 Lamp, Par 36, LED double sided arrow board, 2 controllers

## SY382 & SY385 REPLACEMENT PARTS & ACCESSORIES

<p><b>SY3820000</b></p> <ul style="list-style-type: none"> <li>• Controller</li> <li>• Size: 4.75"L x 3.5"W x 1.16"D</li> </ul> 	<p><b>SY3903605</b></p> <ul style="list-style-type: none"> <li>• Par 36 half hood</li> <li>• 3 Hole mount</li> </ul> 	<p><b>SY812L</b></p> <ul style="list-style-type: none"> <li>• Par 36 LED lamp</li> </ul> 	<p><b>SY3820000-A</b></p> <ul style="list-style-type: none"> <li>• Driver</li> </ul> 	
<p><b>EL390-0426</b></p> <ul style="list-style-type: none"> <li>• 25' Power cable</li> </ul> 	<p><b>EL390-0451</b></p> <ul style="list-style-type: none"> <li>• 50' Power cable</li> </ul> 	<p><b>SY3970025</b></p> <ul style="list-style-type: none"> <li>• 25' Controller cable</li> </ul> 	<p><b>SY3970035</b></p> <ul style="list-style-type: none"> <li>• 35' Controller cable</li> </ul> 	<p><b>SY3970050</b></p> <ul style="list-style-type: none"> <li>• 50' Controller cable</li> </ul> 

## ARROW BOARDS

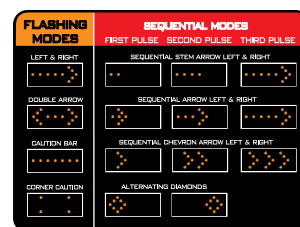
### SY3900 INCANDESCENT & SY3900 LED SERIES

#### ARROW BOARD FEATURES:

- Meets M.U.T.C.D. specifications
- Aluminum panels and frame
- 360° Full hoods
- Visibility: up to 1 mile
- 12VDC
- Photocell for automatic dimming
- Warranty: 1 year

#### CONTROL FEATURES:

- Visual indication of arrow modes on controller
- Built in diagnostic feature warns of defective lamps, low vehicle battery and short circuit condition
- Integrated lift motor controls
- Automatic or manual brightness control (7 levels, 40% - 100%)
- 7 Arrow Modes - 5 flashing modes and 2 sequential modes for 13 and 15 light boards
- 12 Arrow Modes - 5 flashing modes and 7 sequential modes for 25 light boards
- 25' Control cable



#### Incandescent Variations

MODEL	DESCRIPTION
SY3962448	24" x 48" 13 Lamp, Par 36, sealed beam
SY3972448	24" x 48" 15 Lamp, Par 36, sealed beam
SY3973060	30" x 60" 15 Lamp, Par 36, sealed beam
SY3983060	30" x 60" 25 Lamp, Par 36, sealed beam
SY3973672	36" x 72" 15 Lamp, Par 46, sealed beam
SY3983672	36" x 72" 25 Lamp, Par 46, sealed beam
SY3974896	48" x 96" 15 Lamp, Par 46, sealed beam
SY3984896	48" x 96" 25 Lamp, Par 46, sealed beam

#### LED Variations

MODEL	DESCRIPTION
SY3962448L	24" H x 48" W, Par 36 LED, 13 lamp
SY3972448L	24" H x 48" W, Par 36 LED, 15 lamp
SY3973060L	30" H x 60" W, Par 36 LED, 15 lamp
SY3983060L	30" H x 60" W, Par 36 LED, 25 lamp
SY3973672L	36" H x 72" W, Par 46, LED, 15 lamp
SY3983672L	36" H x 72" W, Par 46, LED, 25 lamp
SY3974896L	48" H x 96" W, Par 46, LED, 15 lamp
SY3984896L	48" H x 96" W, Par 46, LED, 25 lamp

Includes: controller, two mounting brackets for controller and a standard 25' cable

## SY3900 & SY3900 LED REPLACEMENT PARTS & ACCESSORIES

#### SY3903611

- Par 36 hood
- 3 Hole mount



#### SY3904611

- Par 46 hood
- 4 Hole mount



#### SY3903612

- Par 36 sealed beam



#### SY3904612

- Par 46 sealed beam



#### SY3903614-S

- Par 36 LED lamp
- Flash rate: 30FPM



#### SY3904614-S

- Par 46 LED lamp
- Flash rate: 30FPM



#### EL390-0426

- 25' Power cable



#### EL390-0426-HD

- 25' Power cable, Heavy Duty
- For incandescent models



#### EL390-0451

- 50' Power cable



#### EL390-0451-HD

- 50' Power cable, Heavy Duty
- For incandescent models



#### SY3961000 (INCANDESCENT) SY3961000L (LED)

- Driver, 13 light



#### SY3971000 (INCANDESCENT) SY3971000L (LED)

- Driver, 15 light



#### SY3981000 (INCANDESCENT) SY3981000L (LED)

- Driver, 25 light



#### SY3970025

- 25' Controller cable



#### SY3970035

- 35' Controller cable



#### SY3970050

- 50' Controller cable



#### SY3980000

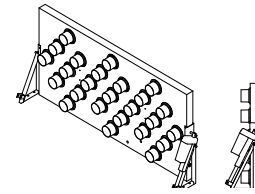
- Controller
- Size: 4.75" L x 3.5" W x 1.16" D



## ARROW BOARD LIFT KITS

### 90° POWER LIFT KITS

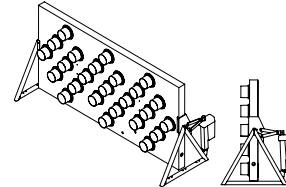
- Right angle design
- Inverted actuator will not collect water
- Constructed with 1" square tubing
- Actuator will automatically stop when in operating or stored position
- Warranty: 1 year
- Includes actuator assembly and side legs
- Not recommended for roof mount applications



PART #	DESCRIPTION	OPERATING HEIGHT	RIDING HEIGHT
SY3800090	Fits 24" x 48" and 30" x 60" boards	27.75" - 30.75"	17"
SY3800095	Fits 36" x 72" boards	36.625"	17.5"

### 180° POWER LIFT KITS

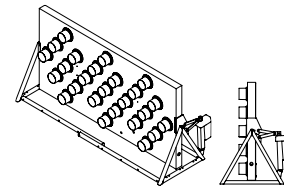
- Angle design
- Inverted actuator will not collect water
- Constructed with 1.25" square tubing
- Actuator will automatically stop when in operating or stored position
- Warranty: 1 year
- Includes actuator assembly and side legs
- Not recommended for roof mount applications



PART #	DESCRIPTION	OPERATING HEIGHT	RIDING HEIGHT
SY3800100	Fits 24" x 48" and 30" x 60" boards	31.375" - 34.75"	23"
SY3800105	Fits 36" x 72" boards	37.5"	23"

### 180° CAB MOUNT POWER LIFT KITS

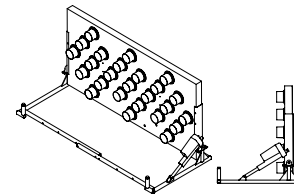
- Angle design
- Inverted actuator will not collect water
- Constructed with 1.25" square tubing
- Actuator will automatically stop when in operating or stored position
- Warranty: 1 year
- Includes actuator assembly and side legs
- Recommended for roof mount applications



PART #	DESCRIPTION	OPERATING HEIGHT	RIDING HEIGHT
SY3800110	Fits 24" x 48" and 30" x 60" boards	31.375" - 34.75"	23"
SY3800115	Fits 36" x 72" boards	37.5"	23"

### LOW PROFILE BOTTOM HINGE POWER LIFT KITS

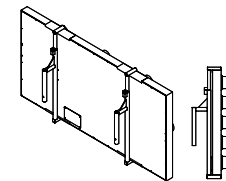
- Bottom hinge design
- Inverted actuator will not collect water
- Constructed with 1.25" square tubing
- Actuator will automatically stop when in operating or stored position
- Warranty: 1 year
- Includes actuator assembly and base frame
- Recommended for roof mount applications



PART #	DESCRIPTION	OPERATING HEIGHT	RIDING HEIGHT
SY3800120	Fits 24" x 48" and 30" x 60" boards	29.25" - 32.125"	11"
SY3800125	Fits 36" x 72" boards	37.875"	11"

### TAIL GATE MOUNT

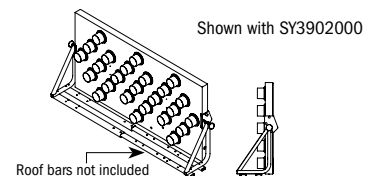
- Constructed with 1.25" square tubing
- Warranty: 1 year
- Recommended for dump trucks and other trucks with a tailgate.
- Easy on and off.



PART #	DESCRIPTION	OPERATING HEIGHT
SY3800080	Fits 30" x 60" boards	32.75"
SY3800085	Fits 36" x 72" boards	38.75"

### MANUAL LIFT KITS

- Right angle design
- Constructed with 1" square tubing
- Warranty: 1 year
- Includes side legs
- Not recommended for roof mount applications without roof mount bar assembly (SY3902000)



PART #	DESCRIPTION	OPERATING HEIGHT	RIDING HEIGHT	Accessories
SY3900100	Fits 24" x 48" and 30" x 60" boards	33"	21.25"	SY3902000 Roof mount bar assembly, fits 24" x 48" and 30" x 60" boards
SY3900150	Fits 36" x 72" boards	36.25"	21.25"	SY3902002 Gutter mount kit, fits 36" x 72" boards

