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1-888-8FC-LIFT



# MACH<sup>TM</sup>SERIES

MOBILE COLUMN LIFTS



# ROTARY LIFT

THE WORLD'S MOST TRUSTED LIFT



Shown: MCHW618U100 108,000 lbs. capacity mobile column lift

[www.rotarylif.com](http://www.rotarylif.com)

# MACH™ SERIES

## MOBILE COLUMN LIFTS



**THE FASTER AND EASIER CHOICE  
FOR YOUR MAINTENANCE FACILITY**

### HEAVY DUTY MOBILE COLUMN LIFTS

Only Rotary Lift mobile column lifts offer the versatility and time savings features that keep your bays productive, your revenue streaming and your trucks back on the road.

### SETTING THE STANDARD

Functionality, space consideration, increased productivity and concern for the environment are key components to consider when investing in a new heavy-duty lift.

Our designers and engineers have taken all these considerations and used them to develop the most innovative and versatile heavy-duty lift products on the market today.

*All from a partner you've trusted since 1925.*

Rotary Lift.



Shown: MCHW618U100 / 108,000 lbs. capacity



**Operator friendly designs and industry exclusive features offer you mobile lifts that are easier to use with a set up that is over 30% faster than similar competitive lifts.**

### Fast and Easy: Now in 2 Models!

Productivity is the key for any shop, so our lifts are packed with features that help your technicians get vehicles up on the lift and back on the road faster and easier than anyone else.

- Rotary's exclusive patented intuitive control console allows the lift to be fully controlled from any column
- Columns are battery operated so there are no power cords creating an open work area free of interference
- DC battery power creates faster lift cycle times - 78 seconds to full rise
- The patented wireless column communication eliminates communication cables creating a faster setup reducing technician's setup time by 75%.
- The steering / braking system requires no manual operation of the jacks, saving time on every set up

### Environmentally Friendly:

The MACH Series takes protecting the environment seriously.

- Surface mounted and portable, it requires no excavation or site preparation
- Battery operated with an onboard charger that uses only 110v electricity to charge
- Optional high efficiency LED lighting saves electricity and money over comparable incandescent and fluorescent lighting



### Superior by Design:

- Rotary maintains the largest in-house mechanical, electrical and controls engineering staff in the industry using state of the art design, modeling and analysis software to ensure you get a well designed, reliable product
- Rotary rigorously cycle tests its lifts and components for at least 20,000 cycles at rated load, giving you a robust, proven and quality tested lift that won't let you down

### Third Party Certified:

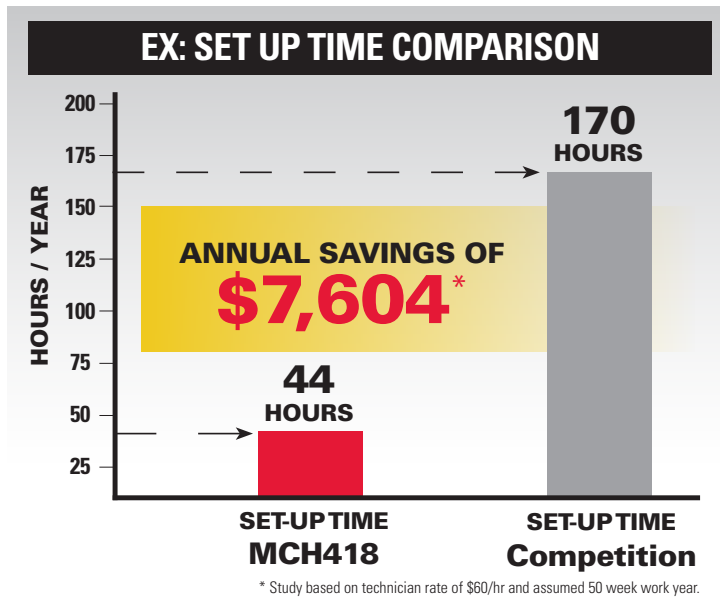
The MACH Series lifts meets the ANSI/ALI ALCTV 2011 standard, including the required third party validation.



## MOBILE COLUMN LIFTS INCREASE PRODUCTIVITY and save your technicians time and you money!

Rotary Lift's MACH Series Lifts are not only faster and easier than the competition...  
**your lift pays for itself in less than 4 years!**

### HOW MUCH WILL YOU SAVE WITH A MACH?



"Clovis Unified School District purchased the MACH Wireless Lift System and have used these lifts continuously on our transit bus fleet. **The combination of ease of setup, maneuverability, and speed have greatly increased the production in our shop. We own other wireless lifts and they do not compare.** These lifts are much more user-friendly and combined with the corded feature, we are always assured that we will not be left up in the air. Utilizing these in a bay that was not originally equipped with an in-ground lift system has made what was once dead space, efficient space."

- **Lee A. Peterson**, Manager, Vehicle Maintenance  
Clovis Unified School District

"We wanted a product that was worth the cost and easy to use and supported our core value of safety. What we found with the Rotary lift system is that it **helped reduce the number of knee injuries, back injuries and hand injuries.** We did a time studies on the drive line repairs and compared that to other shops that were not using the Rotary Lift system and **we found a 10 to 15% difference in cycle times.**"

- **James Enright**, Regional Maintenance Director  
Schneider National

### EX: ANNUAL LABOR SAVINGS CALCULATION

- |  |  |
|--|--|
| <b>1</b> Cost Per Labor Hour: <b>\$75.00</b>   | Time Savings Per RO: <b>1.50 Hours</b>                 |
| <b>2</b> Required Hours For Typical RO: <b>5</b><br>Time Savings with a MACH Lift: <b>30%</b><br>Labor Savings Per RO: <b>\$112.50</b>   | Hours Saved Per Year: <b>360 Hours</b>                 |
| <b>3</b> Monthly ROs Per Bay Per Month: <b>20</b><br>Hours Saved / Month: <b>30</b><br>Monthly Labor Cost Savings / Lift: <b>\$2,250</b> | Annual Labor Cost Savings Per Lift: <b>\$27,000.00</b> |
| <b>4</b> How Many Bays? <b>8</b>   |  |

**ANNUAL POTENTIAL LABOR SAVINGS OF \$216,000**

"After extensive testing of multiple mobile column lifts, I chose the Rotary MACH4 as **having the most advanced design, most options and ease of relocating being the best choice** for the city. After receiving the lifts, **Rotary's customer service and local distributor experience was exceptional.** Not only did they answer my questions, but they went above & beyond in addressing any issues I had with the lifts. **Between the product and the company, you can't go wrong.**"

- **Daniel S. Corbin**, Fleet Operations Manager  
Town of Summerville, South Carolina

**SCAN THIS CODE TO CALCULATE YOUR  
TOTAL POTENTIAL LABOR SAVINGS!**

www.rotarylif.com/LIFTS/Mobile-Columns/#calculator2





# MCHW18 WIRELESS MOBILE COLUMN LIFT

## 18,000 LBS. COLUMN CAPACITY

### MCH18 FEATURES

Two, four, six or eight column configurations can accommodate light duty passenger vehicles and heavy duty trucks up to 144,000 pounds!



Shown: MCH618U100  
108,000 lbs. capacity

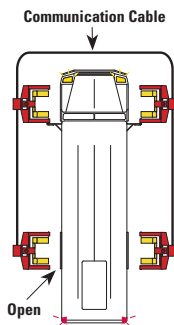
### BATTERY OPERATED WITH ON-BOARD MINN KOTA® CHARGER

During lift use, there are no power cords to clutter up the service bay with this waterproof charger - use it anywhere, even washbays

Battery purchased separately for international use

### HORSESHOE WIRING - WIRED MACH SERIES LIFTS

While other mobile column lifts are connected by four cables, the wired MACH Series columns use just three (forming a horseshoe), so the front or back of the lift is always open. Vehicles can be driven in and out of the bay without wasting time to disconnect and reconnect cables.



### INVERTED HYDRAULIC CYLINDER

The hydraulic cylinder is inverted inside the carriage and the chrome piston rod is protected from debris and damage. This extends the life of the column and reduces maintenance frequency and cost

### OPTIONAL RETRACTABLE CORD REELS

### EASY TO MOVE ADJUSTABLE FORKS

Improves set up time without the need for reducer sleeves - adjustment range: 9.25" to 22"

### SPRING LOADED STEERING / BRAKING SYSTEM

No need to manually operate the jacks to move the columns - saves precious time *on every set up*

### OPTIONAL LED LIGHTING

### FORKLIFT POCKETS

Provide a convenient way to relocate columns within your shop. Included with every lift, they are clearly labeled for easy handling



Shown: MCHW418U100  
18,000 lbs. capacity  
Wireless model shown  
with optional cord reel



### TOUGH RUBBER-COATED WHEELS

Easily roll over dirt and debris that can jolt other lifts to a stop - wheels automatically retract under load

## THE VERSATILITY OF ROTARY'S MCHW18 WIRELESS MODEL

**Patented Wireless Column Communication** eliminates communication cables - faster and easier setup with no cords to get in the way *reducing technician's setup time by 75%.*

### WIRELESS BENEFITS:

**Position Memory** no need to configure columns for each lifting cycle...set it and forget it.

**Reliability under any condition** go from wired to wireless and back with the "flip of a switch".\*

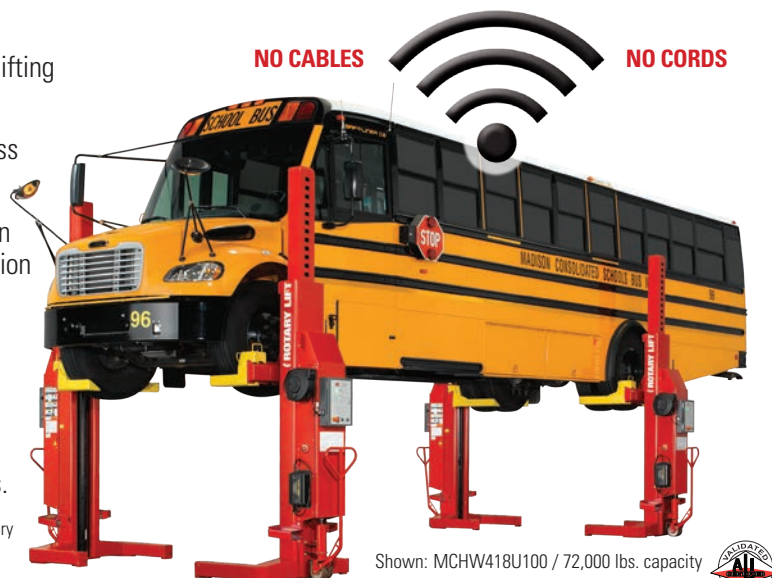
**Automatically re-establishes communication** between columns if signal is dropped - no need to reset communication errors.

**No RFID identifier wand to lose**

**On-board diagnostics** with easy-to-read LEDs.

**Forward compatible / programmable** with quick, easy software updates - retrofit older non-wireless MCH18 units.

\* Requires optional cord reel accessory

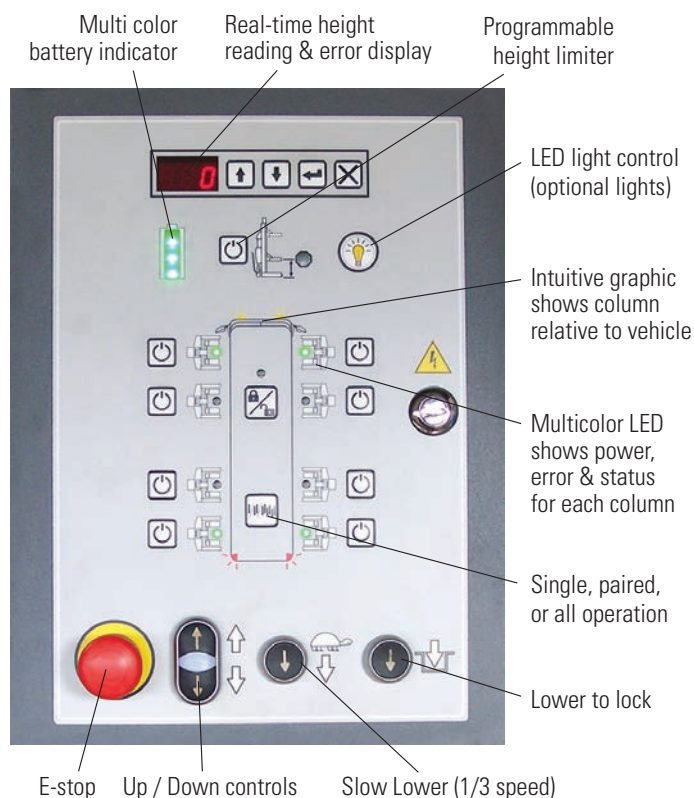


Shown: MCHW418U100 / 72,000 lbs. capacity  
Wireless model shown with optional cord reels



### PATENTED INTUITIVE CONTROL CONSOLE

Rotary's exclusive control console allows the lift to be fully controlled from any column



### OPTIONAL RETRACTABLE CORD REELS STANDARD ON WIRED UNITS OPTIONAL ON WIRELESS MODELS

With quick lock connections providing easy one-handed connectivity between columns, don't waste time handling cables every time you use the lift.

### AC POWERED LIFT OPTION

Operate your mobile lifting system without the use of batteries.  
*Consult factory representative for details.*

### MCH18 / 18,000 lb. COLUMN CAPACITY

MOBILE COLUMN LIFT	MCH418	MCH618	MCH818
Column configuration	4	6	8
Capacity	72,000 lbs.	108,000 lbs.	144,000 lbs.
Rise	70" (1778 mm)		
Lifting cycles	20 per charge*		
Column width	45.5" (1156 mm)		
Wheel Rim Size	9" to 24" (228 to 610 mm)		
Clearance from fork to column	10" (254 mm)		
Speed of rise	78 seconds		
Charging voltage	110v charger** (2.5 amps max.)		

\* At rated capacity \*\*Call factory for alternate voltage **See page 9 for lift accessories**

# MCH13

**13,000 LBS. COLUMN CAPACITY**

## MCH13 FEATURES

Boasting most of the same great features as the MCH18, the MCH13 is the perfect combination of capacity, features and value. Lift trucks and light duty vehicles with two, four, six or eight columns.



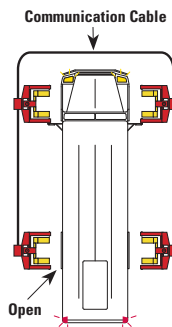
Shown: MCH413U1A00  
52,000 lbs. capacity

### BATTERY OPERATED WITH INTERNAL CHARGER

During use, there are no power cords to clutter up the service bay improving portability.

### HORSESHOE WIRING - WIRED MACH SERIES LIFTS

While other mobile column lifts are connected by four cables, the wired MACH Series columns use just three (forming a horseshoe), so the front or back of the lift is always open. Vehicles can be driven in and out of the bay without wasting time to disconnect and reconnect cables.



### QUICK CONNECT CABLES

Included with the lift, these lightweight and easy to connect cables are 33 feet long.

### INVERTED HYDRAULIC CYLINDER

The hydraulic cylinder is inverted inside the carriage and the chrome piston rod is protected from debris and damage. This extends the life of the column and reduce maintenance frequency and cost

### SPRING-LOADED STEERING / BRAKING SYSTEM

No need to manually pump the jacks up to move the columns in and out - saves precious time *on every set up*

### FORKLIFT POCKETS

Provide a convenient way to relocate columns within your shop. Included with every lift, they are clearly labeled for easy handling.



### EASY TO MOVE ADJUSTABLE FORKS

Improves set up time without the need for reducer sleeves. Adjustment range is 6.3" to 23.6" to accommodate approximate wheel rim sizes of 9" to 24".

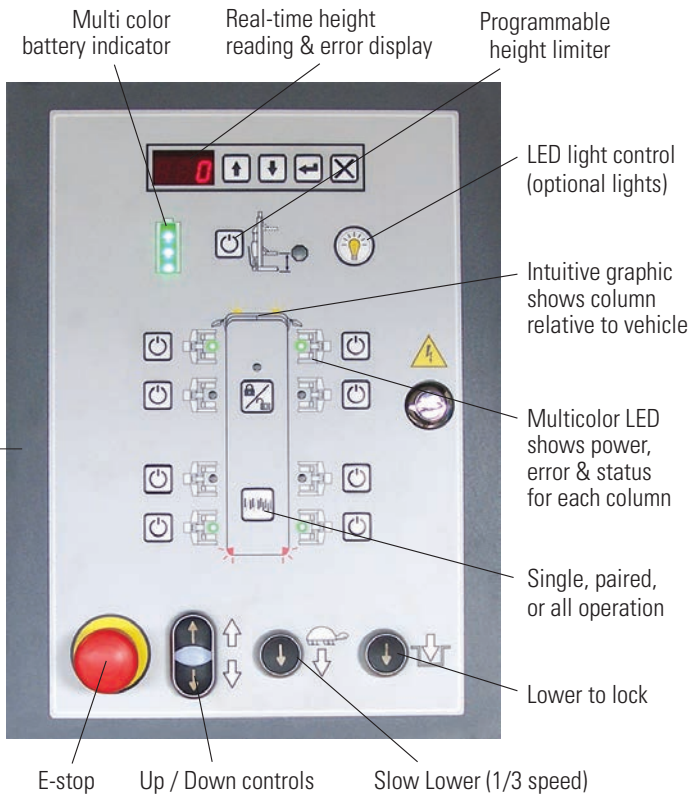
ON-BOARD  
CHARGER  
WITH  
LIGHTED  
STATUS  
DISPLAY



Shown: MCH213U1A00



# HEAVY-DUTY 52,000 - 104,000 LBS. CAPACITY



## PATENTED INTUITIVE CONTROL CONSOLE

Rotary's exclusive control console allows the lift to be fully controlled from any column



## MCH13 / 13,000 lb. COLUMN CAPACITY

MOBILE COLUMN LIFT	MCH413	MCH613	MCH813
Column configuration	4	6	8
Capacity	52,000 lbs.	78,000 lbs.	104,000 lbs.
Rise	69" (1760 mm)		
Lifting cycles	16 per charge*		
Column width	43" (1092 mm)		
Wheel Rim Size	9" to 24" (228 to 610 mm)		
Clearance from fork to column	10" (254 mm)		
Speed of rise	68 seconds		
Charging voltage	110v - 240v / 50/60Hz charger**		

\*At rated capacity

\*\*Call factory for alternate voltage

**See page 9 for lift accessories**



## MCH13 FRAME-ENGAGING LIFTING KIT

12,000 lbs. capacity fore and aft, frame-engaging end lift enables lifting by the front and rear of the vehicle using stacking adapters. MCH13 truck lift kit #M140079 is for use with two MCH13 series columns only.

**See page 9 for more information**

## SERVICE TWO VEHICLES AT ONCE USING A SINGLE SET OF 4 COLUMNS!



# MACH4™ PLUS RUNWAY LIFTING SYSTEM

## 60,000 LBS. CAPACITY

*Convert your MCH18  
into a heavy duty drive-on  
lift for vehicle inspection  
and service!\**



Shown: MCH418U100 with  
M140015 runway system attached  
60,000 lbs. capacity



Shown: RJ25001L

### OPTIONAL 25K BRIDGE

The optional 25K bridge can be attached to the MACH4 Plus runways to create various lifting options to make it even more versatile.



Shown: MCH418U100 with  
M140015 runway system attached  
(60,000 lbs. capacity)

### FEATURES AND BENEFITS

**Drive on runways** for vehicle inspection and service - accommodates wheelbases up to 33' (396")

**Fully hydraulic operation** with low electrical usage and controls at all 4 columns

**Battery operated** - fully functional with power loss

**Fewer moving parts** - no cables or sheaves to maintain

**Internal airlines** included for rolling jacks and air tools

### SPECIFICATIONS\*

#### MACH4 PLUS HEAVY-DUTY DRIVE-ON RUNWAYS

Capacity	60,000 lbs.
Maximum Rise Height	78" from ground to top of runway (1981mm)
Runway Height	10.75" (273mm)
Ramp Angle	10 degrees
Maximum Wheelbase Options	33' (10958mm)
Overall Length	40'- 7.5" (12382mm)
Drive Thru Columns	11'-10" between columns (3607mm)
Width Overall	15'- 9" outside controls (4800mm)
Runway Width	28" (711mm)
Runway Spacing	45" (1143mm)
Power Usage	battery powered
Height of Columns	144.75" maximum height (3677mm)

\*MACH4 Plus runway system is for use with MCH18 only



# ROTARY OFFERS ACCESSORIES TECHNICIANS NEED TO GET THE MOST FROM THEIR MACH MOBILE COLUMN LIFTS.

## FRAME ENGAGING LIFTING KITS

Fore and aft, frame-engaging end lift enables lifting by the front and rear of the vehicle using stacking adapters. For use with two MCH18 or MCH13 series columns.



Shown: M140005 Truck Frame Kit.  
15,000 lbs. capacity for MCH18 ONLY

FRAME KIT	M140005 MCH18 MODEL	M140079 MCH13 MODEL
Column configuration	2	2
Capacity	15,000 lbs.	12,000 lbs.
Rise	70" (1778 mm)	69" (1760mm)
Clearance from fork to column	10" (254 mm)	
Speed of rise	78 seconds	68 seconds
Charging voltage	110v charger*	110v - 240v 50/60Hz charger*

\*Call factory for alternate voltage.

## FORK LIFT KIT

Makes it easy to service fork lifts using two MCH18 columns - easily attaches to the base of the column giving the clearance needed to raise fork lifts with a capacity of 10,000 lbs.



Shown: M140004 Forklift Ramp Kit / 10,000 lbs. capacity



## EXTENDED FORK KITS

Longer forks and support legs available to support inboard tires on dual-wheeled axles. Also for use with M140004 forklift ramp kit and M140005 truck frame kit. For use on the MCH18 Series only.

22" Forks and 8" Legs: Part #M140001  
20" Forks and 6" Legs: Part #M140041



Shown: M140001



## LED LIGHTING

High-efficiency service lamps with single touch operation provide convenient hands-free lighting from the lift's control panel. Operates on the column's battery power.



Shown: M140082  
For use on models  
MCH418 and MCH413



Shown: M140002  
For use on the  
MCH418 ONLY

## OPTIONAL WEIGHT GAUGE

Know what you are lifting instantly with this column gauge. These gauges approximate the weight being lifted by one column - converting pressure into a weight.

Shown: M140019



## LARGE WHEEL KIT

Larger tires are raised on ramps to allow for proper fork placement. MCH18 and MCH13 approved.

Shown: M120304



## JACK STANDS

Available in 13,000, 18,000 and 33,000 lbs. capacities with spring loaded caster wheels for easy positioning and portability.



Shown: RS18  
18,000 lbs. capacity tripod stand



Spring assisted height adjustment in 1" increments ranging from 56" to 82 1/4"



# LIFT APPLICATION GUIDE



## VEHICLE CLASS

GVW:  
Gross Vehicle Weight



### CLASS 1

Under 6,000 lbs. GVW



### CLASS 2

6,001 to 10,000 lbs. GVW



### CLASS 3

10,001 to 14,000 lbs. GVW



### CLASS 4

14,001 to 16,000 lbs. GVW



### CLASS 5

16,001 to 19,500 lbs. GVW



### CLASS 6

19,501 to 26,000 lbs. GVW



### CLASS 7

26,001 to 33,000 lbs. GVW



### CLASS 8

33,001 lbs. and over GVW

	6,000 lbs.	7,000 lbs.	10,000 lbs.	8,000 lbs.	10,000 lbs.	12,000 lbs.	7,000 lbs.	10,000 lbs.	12,000 lbs.	15,000 lbs.	18,000 lbs.	12,000 lbs.	14,000 lbs.	18,000 lbs.	30,000 lbs.	40,000 lbs.	50,000 lbs.	60,000 lbs.	52,000 lbs.	72,000 lbs.	78,000 lbs.	108,000 lbs.	144,000 lbs.	30,000 lbs.	36,000 lbs.	45,000 lbs.	50,000 lbs.	75,000 lbs.	100,000 lbs.	60,000 lbs.	70,000 lbs.	90,000 lbs.	105,000 lbs.
CLASS 1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 2			•		•	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 3										•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 4											•	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 5												•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 6																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 7																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CLASS 8																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

**NOTE:** This reference guide indicates that the noted lift is applicable to the vehicle based on typical vehicle weights, lengths and wheelbases. All information should be verified before purchasing a lift.



## Rotary World Headquarters

2700 Lanier Drive  
Madison, IN 47250, USA



For more information and a complete guide to our product offering, visit us on the web at [rotarylif.com](http://rotarylif.com) or contact your local distributor today.

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e [techlink@rotarylif.com](mailto:techlink@rotarylif.com)



**Contract Holder**  
FSS Contract GS07F8953D

For Rotary Lift Government Purchases:  
1.800.445.5438 x5655



Contact us for training sessions in your area or online.

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MACH Series lifts are manufactured using the following patents: US Patent No. 6983196 / US Patent No. 8083034