



# THE *Twin Post*

Update for the SVI Line of  
Intentionally Designed Equipment & Repair Parts—June 2012

- Baltimore
- Chicago
- Los Angeles

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## Design Rejuvenation

Making use of modern materials and investing in new tooling provides SVI distributors with yet another one of the best products available to lift repair professionals. The new upper bearing and seal system for use on existing Weaver and SVI lift models upgrades a decades old design. We call our new bearing configurations the **“DUSL” Series** and you will have great success easily upgrading lifts and employing the use of these in the field.



“DU” stands for **Dual Upper** and “SL” stands for **Single Lower** or **“DUSL”** could really just stand for rock solid performance. The American-Made cast bearing housing is longer, which allows for use of two field-serviceable bearing strips that are spaced apart to provide more plunger stability. We have also incorporated SVI's exclusive Adjust-To-Fit (ATF) design criteria to allow for the most precise fit possible. In addition, there are two separate precision-machined grooves, one for the seal and one for the wiper. For the sealing components, we have selected a high performance polymer that is specially designed for this application to provide **long-term, leak-free lifting**. We also continue to utilize the original wiper and wiper retainer. This affords an additional debris barrier helping to add-up as one of the best upgrades you can make for your customers. Innovation, SVI is your answer.



**OLD** single  
bearing design

New DUSL design (above)  
eliminates vee ring seals  
and spring loaded follower.

DUSL technology will soon be  
available in all new lifts.

Contact SVI for more details.

## Series **DUSL**

- Stops the Leaking
- Eliminates Plunger Play
- Better Wiping Action
- High Performance Seals
- Simple to Install
- Field Serviceable Bearings
- Makes an Old Lift New Again

**Since 1977**

Information and Catalogs Online:

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

In the field...

# DUSL

## in Michigan

Extending the life of lifts.

### An America-First Manufacturer Stands Proud

While others keep beating an increasingly growing path to China for the components to assemble their lifts, SVI stands firmly in a category by itself. As an American manufacturer, SVI takes pride that each component that goes into the lifts we produce is homegrown. That's right—Made in the USA by American workers who are proud of what they do for SVI distributors.

#### **Casing and Plunger Pipe**

from mills such as NWP's in Kansas

#### **Plunger and casing fabrication and machining**

conducted in our plant in DeKalb, Illinois

#### **"DUSL" Series upper bearings**

poured by several foundries in Illinois and precision-machined in Elburn, Illinois

#### **"DUSL" style seals and wipers**

precision machined to our specifications in West Virginia

#### **Gaskets**

die-cut right in our plant in DeKalb, Illinois

#### **Superstructure, adapter and frame components**

fabricated in our plant in DeKalb, Illinois

#### **Assembly and 100% testing**

conducted in our plant in DeKalb, Illinois

Our Home Country attitude is what keeps us going. Our plant is not being demoralized by layoffs. We are not eliminating and moving production cells one-by-one halfway around the world. We are not going to become a simple assembly shop of foreign-made components. We are not going to lose our American spirit or our ingenuity. Some of the best ideas are born right on the shop floor. Take the new "DUSL" design for example. This concept was born in our test area as a way to make already very reliable designs even better.

The "DUSL" concept does two main things. It eliminates some components and better yet it makes for a more solid, leak free and easily field serviceable design for the long-haul.

SVI American-Made lifts cost up to 30% less than our competitors products and they are built here to last. Due to this, distributor support and sales efforts are up and so are lift orders. Our American shop is humming and so is our innovative spirit.





800-321-8173

**GLOBE**  
"DUSL"



## Out with the old, in with the **INNOVATION**

Gaylord, MI - New Globe Lift "DUSL" Series upper bearing system was installed in a 1986 vintage Globe MP-310 to stop the leaking. This lift has been a problem to keep sealed for years. The application is harsh with all the salt and sand the lift sees from all the service work done on the City's salt trucks. SVI's new "DUSL" Series upper bearings will solve the problems associated with leaking plungers and debris getting past the seal.

What makes a "DUSL" such a positive acting solution is a combination of elements. The key element is the wiper, because you first have to stop the contaminants from getting past the wiper and down to the seal and thus eventually scoring the bearing. Use of modern materials has helped us design a wiper configuration that stops the debris. Another important facet is the pre-load we get out of the seal. This keeps the seal tightly on the plunger surface. For preciseness of fit, all "DUSL" bearings incorporate the SVI Adjust-To-Fit field fit bearing design. This is one of the best features because not only are you keeping the plunger stable and against the seal you are also able to help eliminate plunger rock. The field serviceable wear rings are another part of the story. The material is very durable, handles side load very well, and best of all when the bearings exhibit signs of wear you can easily replace them without the need to buy a whole new upper bearing.

We wish to pay a special thanks to Neil and his guys at Northern Pump Service in Gaylord, Michigan. Having never installed a "DUSL" Series upper bearing, they got the job done and done right in just barely two hours.

## innovation in the field.

Custom valve configurations can be found all over the Country but none done as well or as uniquely as this. These are some expensive high-end valves that will probably never wear out. Can anyone tell us what is missing in the picture?



As with any of these jobs, the most important part is the preparation and cleaning. After polishing some of the bad spots on the plunger surface, careful care was taken to clean the work area for a good clean installation of the "DUSL". Being a one piece bearing system, a "DUSL" is heavier than the three steel pieces you must first remove from the Globe but they positioned it right on the lift with no problem. Once the system was tightened down, the lift was fired up. The installation was a complete success.

The only style of replacement Globe 10-5/8" upper bearings available is a "DUSL". Install some soon to make your customers fans for life.

**Problem Solved!**

Go FOMOCO—  
Thanks for putting your trust in SVI.

### **We will keep driving your cars and trucks!**

Ford Motor Company needed help and the local distributor knew that SVI could help Ford out. At the end of the production lines in Ford Motor plants you will find lifts. In this case, there are four-post lifts and each vehicle coming off the line goes up and down on these lifts for a quick look-and-see inspection. Can you imagine how many times these lifts cycle in a day? A lot!

Ford was burning through cable sheaves, sheave pins and cables. So much so that they couldn't afford the downtime to keep repairing the lifts. To increase the intervals between repairs, SVI produced greaseable sheaves and sheave pins for their lifts. While Ford's lifts are not made by Rotary, many of you have been taking advantage of the greaseable sheaves and sheave pins we have been supplying since September of 2006 for use on Rotary SMO (open front) four-post lift models. For products that outlast OE, SVI is the choice.



**Greaseable Sheave  
BH-7232-71G**



**Greaseable Pin  
BH-7234-404G**

**Greaseable Pin  
BH-7232-72G1S**

*Others Available—Just Ask!*

## **Distributor Help Needed, Help SVI Re-Domesticate Imported Lifts**

**When you need parts to repair a Chinese-made lift, where do you get them?**

Do you go back to the OEI (original equipment importer) for more imported goods? Or, do you contact an America-First REM (responsible equipment manufacturer) for repair parts made here at home? We hope your answer to this is—"America First, I contact SVI".

SVI is making more and more parts available for imported lifts right here at home. We want to continue expanding this effort and need your help. Wouldn't it be gratifying to walk into a shop with an American-Made repair part for use on a well known lift brand that you know was made in China? You could feel good about supporting American workers and American efforts. Even better, the dollars stay here serving America and not the growing Chinese military.

### **How can you help?**

Contact SVI first to see if we have the part available. If we do, order it from us. If we don't have them, have us get them for you. In the meantime, your request for an imported part will be taken seriously, causing us to do the work to make sure the part is available immediately as an American-Made product the next time you need one.

**Distributors, please help us bring it home.**



## **Clean, dry shop air is happy air**

SVI is pleased to announce a new line of nicely priced heavy-duty air filters and lubricators to help promote the importance of clean, dry air in the shop. These FRLs are made by Bimba and are ruggedly constructed with all-metal bodies. We will be stocking these in 1/4" through 1" NPT. 1/4" through 1/2" NPT will be available in either manual drain or automatic drain.

Please watch for more details as the pricing will be sent to distributors soon.





800-321-8173

## Can you believe this thing?

And, it's not for a 10' tall mechanic.

10 ft.  
Stroke

SVI thrives on specialty jobs. Let's face it, they're a fun opportunity and a break from the normal daily grind for all of us. This cylinder was just recently completed for a steel tank manufacturer located in Denver, CO.

When the tank manufacturer, who is also an SVI distributor, called with their request, we said sure (maybe with a hesitancy in our voice). After talking it over amongst ourselves we confidently said, "yes, we can do it", and called them back with pricing and it was ordered. After five or six weeks went by, the project was completed. The cylinder, as shown below, was so tall it wouldn't fit in our test pit. This didn't stop us, we strapped it in and tested it anyway.

This specialty cylinder measuring in at just over 13' tall, with a stroke length of 10', is a semi-hydraulic style and needs about 60 gallons of oil to operate. It will be used in a welding application where the welder will be positioned on a specially designed platform, which can be raised or lowered depending on the diameter of tank being produced. It sure is some cylinder and you should see the tanks it helps make.



### SVI is a proud OEM.

(Original Equipment Manufacturer)

#### Put us to work for you today.

- Passenger Car Lifts
- Heavy Duty Lifts
- School Bus Lifts
- Salt Truck Lifts
- City Bus Lifts
- Forklift Lifts
- Industrial Lifts
- Replacement Lifts
- Material Handling Lifts
- Truck Trailer Production Lifts

#### Sizes available:

7-1/2" • 8-1/2" • 10-5/8" • 12-5/8"



# Instant Ingenuity

## Telescopic Safety Leg BH-TSC-70

Having the ability to quickly solve problems in new and clever ways is an example of how SVI reacts to safety issues confronted in the field by distributors. Helping to make automotive lifts safe for lift operators is what drives many of the products we have developed over the years. Just consider the patented MPTR safety leg for lifts that provides an automatic locked position every 6" throughout the stroke of the lift starting at 18" of rise.

### The scope of work in this case:

The owner of Douglas Automotive runs a very professional shop that is kept neat and clean. Regardless of all the effort to keep the equipment running in tip-top shape, there was a problem with the safety leg guide tube on one of his in-ground lifts where a portion of an old safety leg broke off and was lodged in the lower section of the guide tube. The local lift repair professional that Douglas Auto relies on tried his best to get it out, but it just wasn't possible.

Rather than be faced with the expense of putting in a new lift or digging down to fix the existing lift, "the usual" happens. SVI's phone rings and our distributor details the problem stating the customer really would like to save the lift. We were told we have about 68" of good safety leg guide tube left to work with and asked what we thought we could do. Instantly, both the caller and the SVI representative arrived at the same conclusion, telescopic was the answer.

SVI went to work on this immediately after the phone call ended and literally 30 seconds later the design was conceptualized. It did, however, take another day to complete the engineering due diligence and create the shop drawings. Amazingly, the following day the new telescopic leg was ready for installation.

This old WEAVER lift gets to stay put and continue functioning as one of the safest lift model types ever designed and produced. That's what the customer wanted and that's what we delivered.

It may sound bold, but:

***SVI is the lift industry's answer.***

### Values:

- Available for 8,000 lb. capacity single-post in-ground lifts
- Fits existing standard guide tubes
- Overall retracted length 54"
- Automatic operation
- Manual release only
- Short guide tubes available as well
- Sizes available for 66" through 70" stroke

**Available for:** Gilbarco lifts  
Globe lifts  
Manitowoc lifts  
Rotary lifts  
Weaver lifts  
Western lifts  
or any other single post lift



**SVI is your one-stop shop.**



# Matter of FACT

The proper construction of lifting cables or any cable assembly for that matter is of vital importance. SVI understands this and has your back. Engineers watch for areas to improve designs so cables meet certain important criteria and are produced as safely as possible.

In this case, the cable assembly pictured to the left is an American Made SVI cable assembly. Pictured below is an OEI (original equipment importer) cable assembly from China. The difference here is that the SVI cable is constructed with a button end fitting that has a pull off value equal to or greater than the break strength of the wire rope itself. In other words the cable will break before the end pulls off. This is how it is supposed to be made.

The OEI cable assembly button end does not, in our opinion, appear to meet this criteria. The OEI cable pictured below is used on the now popular 14,000 lb. capacity four-post lifts. These lifts are marketed heavily online. If you encounter a 1/2" diameter cable assembly with a button end that measures out at 3/4" in diameter by 1-1/2" long, we recommend as a safety measure using a cable assembly with ends that provide a pull off value equal to or greater than the break strength of the wire rope itself. Insist on this safety improvement and call SVI.

## Safety • Vital • Important



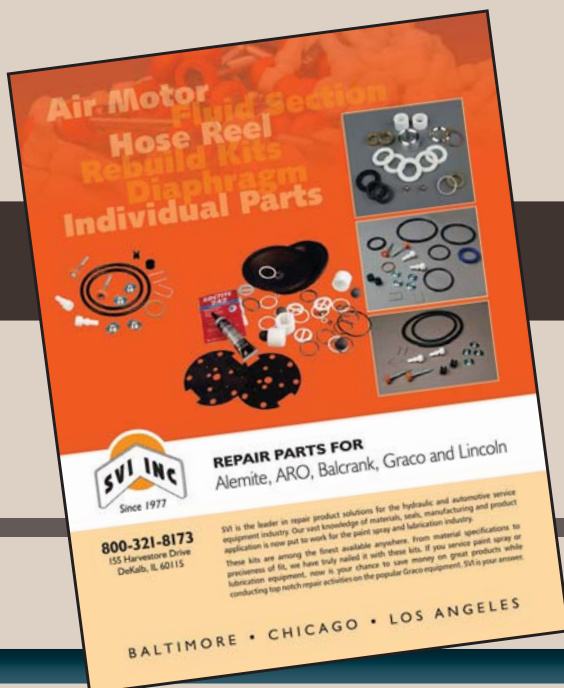
## WATCH YOUR MAIL...

Repair Parts for  
**Alemite, ARO, Balcrank, Graco and Lincoln**

or find it on our Website:

**[www.sviinternational.com](http://www.sviinternational.com)**

Go to Products > Lubrication Equipment Repair Parts



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All names, numbers, symbols and descriptions are used for reference purposes only. It is not implied that any part listed is the product of these manufacturers; however, some parts may be the actual product of these manufacturers.

**THE *Twin Post***  
SVI International, Inc.  
155 Harvestore Drive  
Dekalb, IL 60115

