

# *Slide Sledge*

**MULTI-HEAD HAMMER**®

## **Tool Operating Manual**

The Slide Sledge™ Multi-Head™ tool and all of the associated operating equipment has been engineered, designed and manufactured to fully comply with all applicable parts of Title 29 U.S.C. "The OSHA Standards and Regulations", including all amendments, updates and interpretations in effect on May 2, 2005



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## 1. Introduction

Thank you for your purchase! The Slide Sledge™ Multi-Head™ hammer will allow you to complete heavy equipment repairs safer, faster and easier. The Slide Sledge™ Heavy Equipment™ hammer delivers a smooth, targeted blow, significantly reducing effort and risks associated with the conventional sledgehammer-tool combination.

Please read and understand this manual thoroughly before using your tool. In addition, do not operate or perform maintenance or repair of any equipment until you have read and understand the original equipment manufacturers' service manuals.

## 2. Safety Information

Safety First! The Slide Sledge™ Multi-Head™ hammer is an industrial grade tool that generates a powerful impact force. To increase your safety and the safety of bystanders, please read and understand the safety precautions included in this manual before using the tool.

### Required Personal Safety Equipment

- Safety goggles or equivalent eye protection conforming to ANSI Z87.1 should be worn by the user and by all persons in the immediate area in which the Slide Sledge™ Multi-Head™ tool is being used.

### Suggested Personal Safety Equipment

- Ear protection
- Heavy duty gloves
- High quality coveralls or equivalent
- Steel toe work boots



## 2. Safety Information

- Do not operate or perform maintenance or repair to any equipment until you have read and understand the original equipment manufacturers' service manuals.
- Always follow original equipment manufacturers' recommended service procedures for securing and preparing equipment prior to removing any parts. Removing any parts prior to securing equipment may result in injury and/or damage to the equipment.
- Before removing any equipment parts or components, follow original equipment manufacturers' procedures on securing, draining, and storing fluid, electrical or hydraulic lines.
- Do not use the Slide Sledge™ Multi-Head™ hammer without first attaching a tip. Using the tool without a tip will void your warranty and damage the tool.
- Ensure that the Slide Sledge™ Multi-Head™ tip is properly installed. Make sure the tip has been seated on the end of the tool and it has been secured in place by the tip retention spring at the impact end of the tool. Read about tip insertion in section four of this manual.
- Do not use the Slide Sledge™ Multi-Head™ hammer as a pry bar. Using the tool as a pry bar will void your warranty and damage the tool.
- The tool is constructed of materials that could act as a conductor of electrical current. Do not use the Slide Sledge™ Multi-Head™ hammer on or near live electrical circuits.
- Do not use the Slide Sledge™ Multi-Head™ hammer in the presence of flammable liquids or vapors as sparking or static discharge could occur.
- Do not strike the Slide Sledge™ Multi-Head™ hammer with another striking tool.
- To avoid possible injury from flying objects, safety goggles or equivalent eye protection conforming to ANSI Z87.1 should be worn by the user and by all persons in the immediate area in which any striking tool is being used.
- Tips should be inspected prior to each use and discontinued/replaced at the first sign of chipping, mushrooming, or cracking of any portion.
- No area, section or portion of the Slide Sledge™ Multi-Head™ hammerhead should be ground, welded, treated by reheating, or otherwise altered from the original condition as furnished by Slide Sledge, LLC.
- Blows should always be struck squarely with the striking face parallel with the surface being struck. Glancing blows, overstrikes and under strikes should be avoided.

### 3. Product Components and Applications

#### Tool Selection

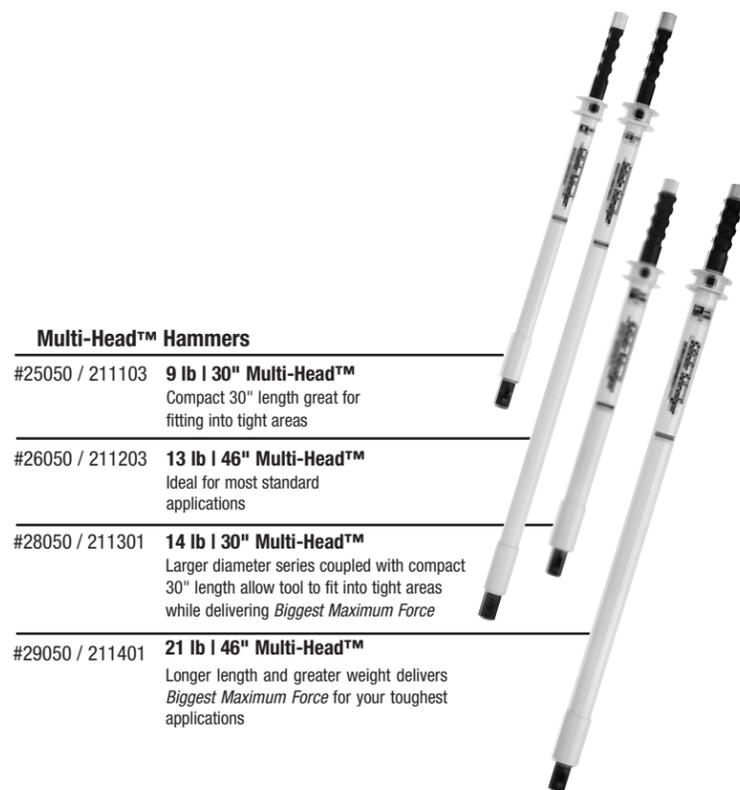
The Slide Sledge™ Multi-Head™ hammer is available in four sizes. As the weight of the drive bar and the length of the tool determine the maximum force each tool can deliver, these key statistics are built into the naming convention of the tools. See CHART 1 (below) for more information.

PART NUMBER	DESCRIPTION	WEIGHT OF BAR	LENGTH OF DRIVE TOOL
25050 / 211103	9 lb / 30" Slide Sledge Multi-Head™	9 lbs.	30" Long
26050 / 211203	13 lb / 46" Slide Sledge Multi-Head™	13 lbs.	46" Long
28050 / 211301	14 lb / 30" Slide Sledge Multi-Head™	14 lbs.	30" Long
29050 / 211401	21 lb / 46" Slide Sledge Multi-Head™	21 lbs.	46" Long

CHART 1

Any Slide Sledge™ Multi-Head™ tip will attach to any of the four tools. To determine the appropriate tool for your application, consider the size of sledge hammer you historically used to perform the job. In general, The Slide Sledge® Multi-Head™ hammer will generate more impact force than a sledge hammer of similar weight because the force of the Slide Sledge™ is linear and accurate. Due to the variability and inaccuracy of a sledge hammer swing, only a fraction of the force is applied to the application while the rest is wasted or witnessed in the form of vibration.

To the right are images of the four sizes of the Slide Sledge™ Multi-Head™ hammers and their suggested applications.



### 3. Product Components and Applications

#### Tip Selection

A full range of application specific tips are available for use with the Slide Sledge™ Multi-Head™ hammer. These tips have been engineered and tested for use with the Slide Sledge™ Multi-Head™ tools. Use only Slide Sledge™ Multi-Head™ tips with the Slide Sledge™ Multi-Head™ hammer and do not alter the tips from their original condition as furnished by Slide Sledge® in any way.

CHART 2, shown on the next page, lists all of the Slide Sledge™ Multi-Head™ hammer tips available today and lists each tip's intended application. **Each tip was designed for a specific application. Do not exceed the upper range of the intended application as described in the chart provided. Doing so will increase the risk of tip breakage and void the tip's warranty.** For example, the 3/8" bucket tooth pin remover was designed to fit between the bucket teeth on smaller sized buckets and remove smaller bucket tooth pins, up to 1/2" in diameter. To accomplish this task, the 3/8" bucket tooth pin remover is smaller in gauge, thickness, and length. If the 3/8" bucket tooth pin remover is used to remove large pins over 1/2" in diameter, the life of the tip will be greatly reduced and the risk of breakage will greatly increase.

### 3. Product Components and Applications

#### SLIDE SLEDGE™ MULTI-HEAD HAMMER

#### PRODUCT LINE-UP

	<b>1/2" Diameter Pin Driver</b> Part #213101 Recommended for pins and bolts greater than 1/2" up to 7/8" in diameter		<b>Bucket Tooth Pin Removers</b> Part #213305 3/8" Diameter Part #213304 1/2" Diameter Part #213302 3/4" Diameter		<b>Bushing/Bearing/Seal Plate Driver</b> Part #213525 Install race bearings and seals with linear motion to avoid possibility of a miss-strike <i>(plates not included)</i>
	<b>7/8" Diameter Pin Driver</b> Part #213102 Recommended for pins greater than 7/8" up to 1-1/4" in diameter		<b>Bucket Tooth Pin Inserters</b> Part #213306 3/8" Diameter Part #213303 1/2" Diameter Part #213301 3/4" Diameter		<b>Race/Bearing/Seal Adapter</b> Part #213526 Install races, bearings, and seals with this adapter driver tip. Add drive plates to the end of the adapter in various combinations. Fits plates with a common 9/16" center hole, up to 3/4" high <i>(plates not included)</i>
	<b>1 1/4" Diameter Pin Driver</b> Part #213103 Recommended for pins greater than 1 1/4" up to 2" in diameter		<b>Hammer Union Tip</b> Part #400100 Tip offers a flush fit and impact on all tabs or wings of pipe		<b>Bushing Driver Adapter</b> Part #213527 Proper installation of bushings will be accomplished easily and quickly with this adapter driver tip. Fits drivers with a common 3/4" center hole, up to 7/8" high <i>(drivers not included)</i>
	<b>2" Diameter Pin Driver</b> Part #213104 Recommended for pins greater than 2" up to 2.5" in diameter		<b>Curved Chisel Tip</b> Part #213531 1-3/8" tip ideal for chopping away hardened debris & shearing metal bolts, pins and rivets up to 3/8" grade 8		<b>Large Cup Driver</b> Part #750001 Used for driving 1"- 2 1/8" diameter headed stakes
	<b>2 1/2" Diameter Pin Driver</b> Part #213105 Recommended for pins greater than 2.5" up to 3" in diameter		<b>Scarifier Tooth Tip</b> Part #213307 Removes scarifier teeth on most motor graders. The fork design allows the tech. to split the trenching arm where the scarifier tooth is forced fit		<b>Small Cup Driver</b> Part #750002 Used for driving 1/2"- 3/4" diameter headed stakes
	<b>3" Diameter Pin Driver</b> Part #213106 Recommended for pins greater than 3" up to 4" in diameter		<b>Utility Wedge Tip</b> Part #213528 All purpose impact tool designed to separate parts and straighten steel with maximum force		<b>Hook Cup Driver</b> Part #750003 Used for driving 1/2", 5/8", 3/8", 1/12" hooked stakes
	<b>Tie Rod/Ball Joint Separator Forks</b> Part #213521 11/16" Part #213522 15/16" Part #213523 1-1/8" Part #213524 1-7/16"		<b>Continuous Miner Tip</b> Part #213661 Ideal for removing all teeth on continuous mining equipment <i>(adaptor needed #213660)</i>		<b>Stake Cup Driver</b> Part #750004 Used for driving 3/4"- 7/8" concrete and ground rods
	<b>Tie Rod/Ball Joint Separator Adapter</b> Part #213520 Attach all Slide Sledge™ separator forks and most common forks available today		<b>Strike Wrench</b> Large – Part #500001 inside dimension 2.1 inch Small – Part #500002 inside dimension 1.6 inch		<b>7/8" Punch Tip</b> Part #750005 Used to punch a 7/8" hole through hard surfaces such as asphalt or frozen ground
	<b>Tie Rod/Ball Joint Separator 3 Tip Set</b> Part #213519 Slide Sledge™ separator adapter and 11/16", 15/16", 1-1/8" forks		<b>Tire Bead Breaker</b> Part #213529 Small bead breaker has a head width of 2-1/4" Part #213530 Large bead breaker has a head width of 2-7/8"		<b>5 lb Handle Weight</b> Part #211808 Increases the Slide Sledge™ striking force by 5 lbs, works with any Slide Sledge™ hammer

Covered by one or more US patents.  
Additional patents pending.

CHART 2

### 3. Product Components and Applications

#### Tool Components

The Slide Sledge™ Multi-Head™ hammer is a linear slide hammer designed to deliver impact in a forward motion. CHART 3 demonstrates and lists the names/part numbers of each component of the Slide Sledge™ Multi-Head™ hammer which will be referenced throughout this tool operating manual.



SLIDE SLEDGE PART NUMBER FOR LISTED TOOL					
NUMBER	DESCRIPTION	SS HE 9LB/30"	SS HE 13LB/46"	SS HE 14LB/30"	SS HE 21LB/46"
		25050/211103	26050/211203	28050/211301	29050/211401
1	Drive Bar Thread Cap	21108011	21108011	21108011	21108011
2	Drive Bar	21101003	21102003	21103002	21104002
3	Drive Bar Rubber Hand Stop	21108028	21108028	21108029	21108029
4	Drive Bar Retaining Ring	21108012	21108012	21108013	21108013
5	Square Hand Guard	21108014	21108014	21108015	21108015
6	Slide Lock Pin	21108017	21108017	21108017	21108017
7	Drive Bar Tube	21101005	21102005	21103003	21104003
8	Plunger Housing	21108018	21108018	21108019	21108019
9	Plunger Spring	21108021	21108021	21108022	21108022
10	Plunger	21108023	21108023	21108024	21108024
11	Tip Retention Spring Screw	21108026	21108026	21108026	21108026
12	Tip Retention Spring	21108027	21108027	21108027	21108027
13	Example Tip	213104	213104	213104	213104

CHART 3

## 4. How To Use the Slide Sledge® Multi-Head™ Hammer

### How to install a Slide Sledge™ Multi-Head™ Tip



"D"-shaped cavity flat side

Each tip has a cavity so it can be attached to the Slide Sledge™ Multi-Head™ hammer. The cavity can be found in two shapes, an "O" shape or a "D" shape. The bucket tooth pin inserter tip (shown above) has a "D" shaped cavity. Please note the flat side of the "D" shaped cavity (see note, above). To insert this tip onto the tool, line up the flat side of the "D" shaped tip cavity with the flat side of the tool's plunger and press the tip onto the plunger firmly until the tip cannot be inserted any further.

A tip with an "O" shaped cavity does not require special alignment as it does not contain a flat side. Simply place an "O" cavity tip onto the tool's plunger and press firmly until the tip cannot be inserted any further.

In general, tips with an offset design (non-symmetrical) will have a "D" shaped cavity. Having a "D" shaped cavity will allow the user to turn the head of the tip into position simply by turning the tool.

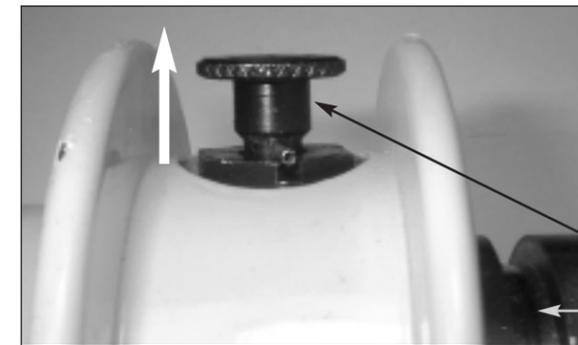
**WARNING**—Do not use the Slide Sledge™ Multi-Head™ hammer without first attaching a tip. Using the tool without a tip will void your warranty and damage the tool.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

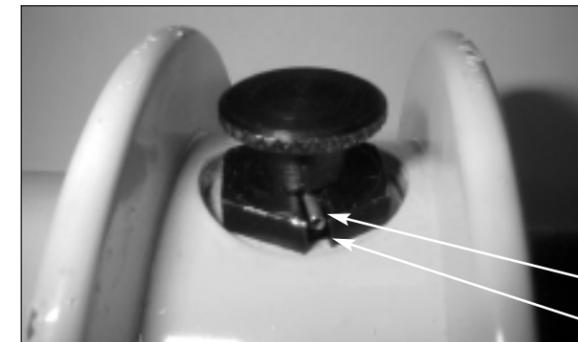
## 4. How To Use the Slide Sledge® Multi-Head™ Hammer

### How to use the Slide Sledge® Multi-Head™ Slide Lock

The Slide Sledge™ Multi-Head™ slide lock stops the drive bar from sliding out of the drive bar tube when the tool is not in use. This is especially important during transportation. Please make sure that the slide lock is engaged when the tool is not in use to increase your safety and the safety of bystanders.



1. To release the drive bar, pull on the slide lock pin until it releases from the drive bar groove and pull the drive bar back. The slide lock will not re-engage while the tip of the tool is held firmly against the desired impact point.



2. To re-engage the slide lock mechanism, push the drive bar into the drive bar tube until the slide lock pin re-inserts itself into the drive bar groove. Please note that the slide lock position pin must be aligned with the groove cut in the slide lock nut to allow for drive bar locking.

**WARNING:** Always engage the slide lock when tool is not in use.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

#### 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



**WRONG WAY**

##### Proper Drive Bar Hand Placement

Proper hand placement will minimize the risk of injury to the operator, especially the risk of pinched hands, thumbs and fingers.

This is an improper way to hold the drive bar. The operator's hand is positioned too low on the drive bar. Holding the drive bar in this position will increase the risk of hand pinching between the groove on the drive bar and the hand guard.



**CORRECT WAY**

This is the correct way to hold the drive bar. The drive bar contains 4 recessed areas specially cut for each finger (the hand grip area) to maximize user grip and power. The operator should keep their hand within the hand grip area to greatly reduce the risk of a hand pinch.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

#### 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



**WRONG WAY**

##### Proper Drive Bar Tube Hand Placement

After grasping the drive bar in the proper position, the operator's other hand will guide the tool to the work and hold the tool in place during use. Proper hand placement is again important to avoid pinching between the removable tip and the plunger housing.

This is an improper way to hold the tool. The operator is placing his thumb and finger between the tip and the plunger housing. Holding the tool in this manner increases the risk of a hand, thumb, or finger pinch.



**CORRECT WAY**

This is the correct way to hold the tool. The operator has placed his hand behind the plunger housing. When held in this position, the operator greatly decreases the risk of pinching between the tip and the plunger housing.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

### How to use the Slide Sledge™ Multi-Head™ Hammer Pin Drivers



1. Use Section 3 of this manual to determine the proper pin driver for your application.



2. Slide tip onto plunger and press firmly until the tip cannot be inserted any further.



3. Press the tip against the pin to be removed and draw back on the slide bar.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



4. Thrust the slide bar forward to impact the pin. The amount of force applied to the pin is variable and depends upon the size of the tool used and the speed and acceleration of the drive bar before impact. Always start with lighter force to gauge the pin's movement before taking a full swing.



5. Continue to strike the pin until the pin is almost out of the cylinder.



6. Before impacting the pin completely out of the cylinder, be sure to either a) have someone hold the pin, or...

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



6b. ...secure the pin with other proper support (crane, hoist, etc.).



7. Remove the pin.

**NOTE:** Reverse the procedure to install pin. Always refer to the original equipment manufacturers' procedures for installation and removal of pins.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

### How to use the Slide Sledge™ Multi-Head™ Hammer Bucket Tooth Pin Removers



1. Align the tip's flat side with the flat side of the plunger. Slide the tip onto the plunger.

**NOTE:** Use CHART 2 of this manual to determine the proper tip for you application. Do not exceed the upper range of the intended application as described in CHART 2.



2. Slide tip onto plunger and press firmly until the tip cannot be inserted any further.



3. Make sure the pin driver tip is aligned with the pin and the pin driver tip is parallel with the striking surface of the pin. The pin driver post should be in a horizontal line to the pin and not at an angle to the pin.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

#### 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



4. Draw back on the Slide Sledge™ Multi-Head™ drive bar.



5. Thrust the drive bar forward to knock out the pin. The amount of force required to drive out each pin varies with the amount of corrosion/foreign matter on the pin and other factors. Always start with lighter force to gauge the pins movement before taking a full swing. Multiple strikes may be required.



6. Repeat steps 4&5 until pin begins to come out of the cylinder.



7. Drive pin completely out of the tooth before removing the tooth from the bucket. (Additional force may be needed to remove the tooth from the bucket. The Slide Sledge™ Utility Wedge Tip is suggested for grabbing onto the tooth and separating from the bucket).

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

#### 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

##### How to use the Slide Sledge™ Multi-Head™ Hammer Bucket Tooth Pin Inserter



1. Align the tip's flat side with the flat side of the plunger. Slide the tip onto the plunger.



2. Slide tip onto plunger and press firmly until the tip cannot be inserted any further.



3. Place the pin into the pin placement cavity on the tip. Align the pin with the bucket tooth hole and bucket hole.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



4. Draw back on the drive bar.



5. Thrust the drive bar forward to knock the pin in. Repeat until the bucket tooth pin inserter is almost flush with the bucket tooth.



6. Drive the pin completely into position using the flat area located next to the pin placement cavity on the tip.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

### How to use the Slide Sledge™ Multi-Head™ Curved Chisel Tip



1. The Curved Chisel Tip is ideal for chopping away hardened debris to gain access to nuts, bolts and other vehicle components. Use the reach of the 46" tools to access tight areas.



2. The Curved Chisel tip may be used to cut or shear metal bolts, pins and rivets up to 3/8" in diameter grade 8.

*Attempting to cut or shear bolts, pins and rivets with thickness or grade greater than 3/8" diameter grade 8 will significantly increase the risk of tip breakage and void the tip's warranty.*

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

### How to use the Slide Sledge™ Multi-Head™ Race/Bearing/Seal Drivers

Slide Sledge™ currently makes three sizes of driver adapters. These adapters allow users to attach their existing driver plates to the Slide Sledge™ Multi-Head™ hammer.



Shown without drive plate



Shown with drive plate (not included)

1. Bushing/Bearing/Seal Plate Driver #25320 / 213525—Use the extreme power of the Slide Sledge™ Multi-Head™ to drive heavy duty plates without the cocking motion of a hammer and handle. This adapter fits plates with a 1/4" center hole. The drive plates are not included.



Shown without drive plate



Shown with drive plate (not included)

2. Race/Bearing/Seal Adapter #25321 / 213526—Install races, bearings, and seals with this adapter driver tip. Add drive plates to the end of the adapter in various combinations. This adapter fits plates with a common 9/16" center hole, up to 3/4" high. The drive plates are not included.



Shown without drive plate



Shown with drive plate (not included)

3. Bushing Driver Adapter #25322 / 213527—Proper installation of bushing will be accomplished easily and quickly with this adapter driver tip. Fits drivers with a common 3/4" center hole, up to 7/8" high. The drive plates are not included.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer



1. Select the proper driver adapter and attach to the plunger of the Slide Sledge™ Multi-Head™
2. Select the proper race, bearing, seal, or bushing driver plate and attach it to the adapter using the bolt or nut provided. Refer to the original equipment manufacturers' guidelines and recommended sizes of driver plates for proper installation.
3. Insert bearing, race, seal, or bushing into cylinder. Align the driver plate with the bearing, race, seal or bushing.
4. Draw back on the drive bar and thrust the drive bar forward repeatedly until the bearing, race, seal or bushing is seated at the proper depth.

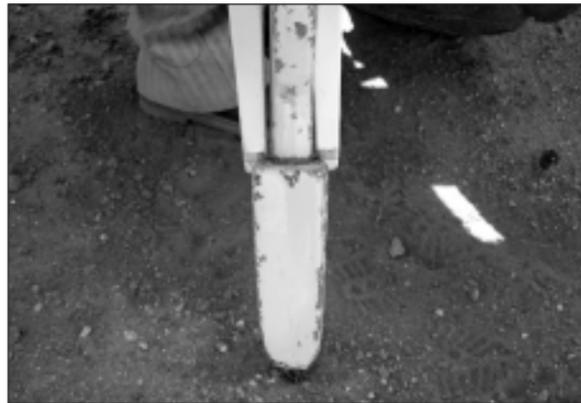
**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

### How to use the Slide Sledge™ Multi-Head™ Scarifier Tooth Tip



1. Attach the Scarifier Tooth Tip to the Slide Sledge™ Multi-Head™.



2. Align the tip with the scarifier tooth to be removed. Use the notches at the top of the Scarifier Tooth Tip to grab hold of the scarifier tooth.



3. Draw the drive bar back and thrust the drive bar forward to separate the tooth from the arm. Repeat until the tooth is removed.

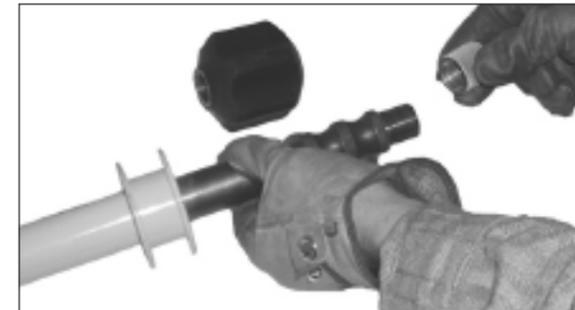
**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 4. How To Use the Slide Sledge™ Multi-Head™ Hammer

### How to attach the 5 Pound Handle Weight to the Slide Sledge™ Multi-Head™ Hammer



1. Users will often want to attach the optional 5 Pound Handle Weight to the Slide Sledge™ Multi-Head™ hammer to increase the driving force of the tool and to allow for a more comfortable hand position. To add the 5 Pound Handle Weight, start by removing the drive bar thread cap located on the drive bar.



2. After unscrewing the drive bar thread cap, remove and place in a secure area. Do not lose the drive bar thread cap. You will need this cap to protect the threads when the 5 Pound Handle Weight is not in use.



3. Take hold of the 5 Pound Handle Weight and align it with the threaded end of the drive bar. Hold the drive bar securely and start to thread the 5 Pound Handle Weight onto the drive bar in a clockwise motion.



4. The 5 Pound Handle Weight is properly attached to the drive bar when it bottoms out on the main body of the drive bar. Be sure that the 5 Pound Handle Weight is seated fully prior to use.

**Note:** Reverse the procedure to remove the 5 Pound Handle Weight.

**WARNING:** Always refer to the original equipment manufacturers' procedures for installation or removal of equipment. Follow all manufacturers' safety procedures.

## 5. Slide Sledge™ Multi-Head™ Hammer Maintenance

To keep your Slide Sledge™ Multi-Head™ hammer in proper working order, regular cleaning and lubrication is suggested. As the majority of the tool is steel, take care to wipe excess water from your tool after use and store your tool and tips in a dry location.

Use a common lubricant, such as WD-40 or CAT® Heavy Duty Penetrating Oil 222-3115 to lubricate and protect the Slide Sledge™ Multi-Head™ hammer in the following locations.



1. Drive bar at hand guard



2. Drive bar thread protector. Keep threads clean and lubricated for easy installation of the optional 5 Pound Handle Weight.



3. Slide lock mechanism



4. Plunger at plunger housing

## 6. Slide Sledge™ Multi-Head™ Hammer Disassembly

The Slide Sledge™ Multi-Head™ is a serviceable tool. The tool can be completely disassembled for cleaning or the replacement of worn components. To protect against disassembly during use, Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 is used to secure all threaded components. Before disassembly, threaded components must be heated to 450 degrees Fahrenheit of flameless heat to break down the Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263. Always wear the proper protective clothing including heat resistant gloves when working with parts that have been heated.

During the manufacturing process, Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 is applied to the following locations:

1. Tip retention spring screw
2. Drive bar tube to plunger housing
3. Drive bar tube to hand guard
4. Slide lock pin to hand guard



**WARNING:** When heated, metal parts retain heat and may still be hot when touched.

## 6. Slide Sledge™ Multi-Head™ Hammer Disassembly

### How to remove and replace the Tip Retention Spring



1. To remove the tip retention spring located on the plunger, heat the screw to 450 degrees Fahrenheit with flameless heat. Use a T-10 torque tip driver to remove the screw holding the clip in place.

**NOTE:** Always wear heat resistant gloves when working with metal parts that have been heated.



2. Remove the tip retention spring.

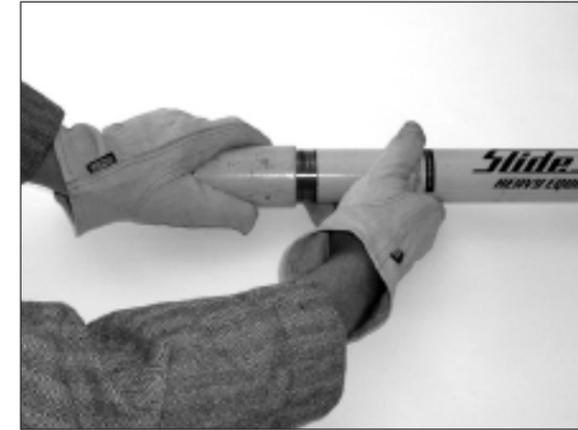


3. Prior to installing new retention clip, place a full circle of Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 Threadlocker around screw. Place into plunger and secure.

**NOTE:** Follow Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 manufacturers' procedures for drying time prior to use of tool. Follow all manufacturer-ers' safety procedures.

## 6. Slide Sledge™ Multi-Head™ Hammer Disassembly

### How to remove and replace the Plunger, Plunger Housing and Spring



1. To remove the plunger, plunger housing and spring, heat the plunger housing to 450 degrees Fahrenheit with flameless heat to break down the Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263. Unscrew the plunger housing in a counterclockwise direction to remove.

**NOTE:** Always wear heat resistant gloves when working with metal parts that have been heated.



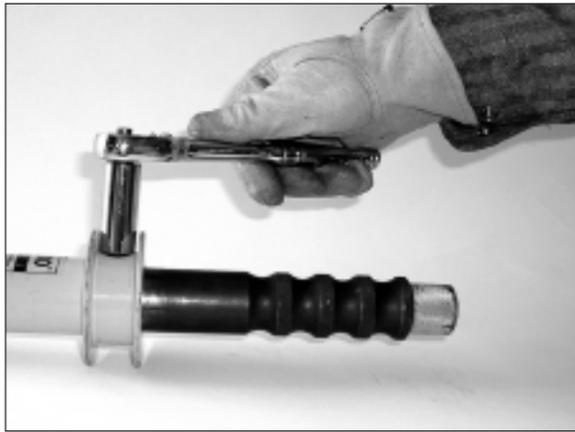
2. After removing the plunger housing, separate the plunger and plunger spring from the plunger housing. You can now replace any of the components. Reverse the procedure to install.



3. Before re-assembly, place a full circle of Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 around the threaded area of the outer tube, then screw the plunger housing onto the threads on the drive bar tube in a clockwise direction. Be sure to thread plunger housing forcefully until the plunger housing can be threaded no further.

## 6. Slide Sledge™ Multi-Head™ Hammer Disassembly

### How to remove and replace the Drive Bar, Hand Guard, or Slide Lock Mechanism



1. To replace or repair the hand guard, drive bar, drive bar retaining ring, or slide lock mechanism, start by removing the slide lock pin. Heat the threaded area of the slide lock pin to 450 degrees Fahrenheit before disassembly. Use a 5/8", 12 point deep well socket to unscrew the slide lock pin.

**NOTE:** Always wear heat resistant gloves when working with metal parts that have been heated.



2. Remove the slide lock pin from the hand guard. You may now replace the slide lock or continue to remove the hand guard.



3. Prior to unscrewing the hand guard from the drive bar tube, heat the area to 450 degrees Fahrenheit to break down the Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263. Unscrew the hand guard by turning the hand guard in a counterclockwise direction.

**NOTE:** Always wear heat resistant gloves when working with metal parts that have been heated.

## 6. Slide Sledge™ Multi-Head™ Hammer Disassembly



4. Slide the hand guard off the end of the drive bar.



5. You may now slide out the drive bar to replace the drive bar retaining ring or repair / replace the drive bar.



6. To reassemble, slide the drive bar with slide bar retaining ring back into the drive bar tube. Place a full circle of Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 around the threaded area of the outer tube. Slide the hand guard over the drive bar end and thread the hand guard back onto the drive bar tube.

## 6. Slide Sledge™ Multi-Head™ Hammer Disassembly



7. When the hand guard is secured, place a full circle of Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 around the threaded area of the slide lock pin.



8. Use a 5/8", 12 point deep well socket to attach the slide lock to the hand guard. Tighten the slide lock pin until seated on the hand guard.

**NOTE:** Follow Loctite® 243 Threadlocker or CAT® Thread Lock Breakaway Strength 9S-3263 manufacturers' procedures for drying time prior to use of tool. Follow all manufacturers' safety procedures.

## 7. Questions

If you have additional questions or do not understand any portion of this manual, please contact customer service at (866) 862-2508 for further clarification. Do not use or disassemble the Slide Sledge™ Multi-Head™ unless you fully understand the tool's operation and maintenance procedures.

## Slide Sledge, LLC Limited Product Warranty



### Slide Sledge® Hammers Limited Product Warranty Sales Agreement and Purchaser Acknowledgements:

#### COVERAGE AND DURATION

Slide Sledge® hammers, excluding tips, are warranted against defects in material and workmanship for a period of One Year from date of purchase. Slide Sledge® tips are warranted against defects in material and workmanship for a period of 90 Days from date of purchase. Credit will be issued upon return and inspection of unit. There is a 15% restocking for all non-defective goods. **ASIDE FROM THE WARRANTY STATED ABOVE, ALL PRODUCTS ARE SOLD "AS IS" WITHOUT ANY OTHER WARRANTY, EXPRESS OR IMPLIED. ANEROB, LLC dba PETERSEN BRANDS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND EXPRESSLY DISCLAIMS THE IMPLIED WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE. PURCHASER ACCEPTS ALL PRODUCTS AS IS.**

Purchaser will be solely responsible for determining the fitness and suitability of the product for any intended use. Seller, by this disclaimer, gives notice that any statement made by Anerob, LLC, its representatives, employees or agents in the sale of the product will not create any warranty that this product is fit for any particular purpose or intended use. Statements or descriptions are informational only, and not made or given as a warranty of the product in any way.

#### EXCLUSIONS. This warranty does not cover:

- damages or repairs of any kind to any products, items or personal or other property resulting from use of the Slide Sledge® product
- damages or repairs of any kind to any products, items or personal or other property caused by accidents, abuse or misapplication of the Slide Sledge® product
- failure of the Slide Sledge® product to meet your requirements that differ from our specifications
- damages or repairs of any kind to any products, items or personal or other property caused by use of the Slide Sledge® product that is contrary to the instructions or documentation accompanying your Slide Sledge® product
- costs of shipment or delivery for any returns or repairs under this Limited Product Warranty
- damages or repairs of any kind to any products, items or personal or other property from fire, flood, moisture, heat, acts of God or causes beyond Anerob, LLC'S control

QUESTIONS. Please call our customer service representatives at 866-862-2508, write to us as at Anerob, LLC dba Petersen Brands, 6111 Miller Creek Rd, Missoula, Mt 59803 or contact us through our web site at [www.slidesledge.com](http://www.slidesledge.com).

CLAIMS: Purchaser must submit to Anerob, LLC any claim concerning Slide Sledge products, in writing, within **90 days** after the delivery of Slide Sledge tips, and within **1 year** after the date of delivery of Slide Sledge Hammers. Upon failing to submit a Claim within the requisite period of time, Purchaser acknowledges that it is barred from any remedy whether at law or in equity. No cash refunds will be issued. **UNDER NO CIRCUMSTANCES SHALL ANEROB, LLC BE LIABLE FOR ANY AMOUNT GREATER THAN THE PRICE PAID TO ANEROB, LLC.**

CONTINGENCIES. Purchaser acknowledges that all orders may be voided or modified by Seller should it be unable to fill any order due to causes beyond Anerob, LLC'S control. Such causes may include, but not be limited to, drought, disease, flood, fire, frost, hail, errors in count, labor relations, government regulations and restrictions of any kind or the inability to obtain materials, supplies, or product.

MEDIATION OF DISPUTES. Purchaser and Anerob, LLC agree that they will mediate before a mutually agreeable mediator any disputes arising from or relating to the obligations of the parties under the agreement to purchase product. No party may unreasonably withhold its consent to mediate before an identified mediator. Each party shall bear its own costs and attorney's fees of mediation. If the matter cannot be resolved with the aid of the mediator it shall be submitted to the American Arbitration Association for final and binding confidential arbitration. Any such mediation shall occur before any party seeks relief in arbitration and it is expressly acknowledged by Anerob, LLC and Purchaser that mediation is a necessary condition precedent to arbitration. The parties agree that no arbitration shall be filed unless and until the mediator declares, in writing, that mediation has reached an impasse.

In the event that Purchaser fails to give timely notice of any Claim, or fails to pay in whole or in part for product within thirty (30) days of shipment, Anerob, LLC is authorized to seek any and all remedies available at law or in equity in the Fourth Judicial District Court of Montana (Missoula County) notwithstanding any term herein to the contrary.

ARBITRATION. **ALL CONTROVERSIES, CLAIMS, DISPUTES AND MATTERS IN QUESTION ARISING OUT OF, OR RELATING TO, THE PURCHASE OF PRODUCT FROM SELLER, OR THE RELATIONS BETWEEN ANEROB LLC AND PURCHASER, SHALL BE DECIDED BY ARBITRATION IN ACCORDANCE WITH THE COMMERCIAL ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION. PURCHASER ACKNOWLEDGES THAT MEDIATION IS A NECESSARY CONDITION PRECEDENT TO ARBITRATION.** The parties agree that the arbitration shall take place in Missoula, Montana, shall be governed by the laws of the State of Montana, shall be before a single arbitrator, and that the arbitrator shall apply Montana law, except as otherwise expressly provided herein. The award rendered by the arbitrator shall be final and judgment may only be entered upon it in accordance with applicable law in the Fourth Judicial District Court of Montana. The arbitrator may grant Anerob, LLC injunctive relief, including temporary, preliminary and permanent injunctive relief, in order to protect the rights of Anerob, LLC, but shall not be limited to such relief. The arbitrator shall award the substantially prevailing party its costs and attorneys fees. This provision for arbitration shall not preclude Anerob, LLC from seeking temporary or preliminary injunctive relief in a court in order to compel arbitration or to protect its rights pending a final determination by the arbitrator, nor shall the filing of such an action constitute a waiver by Anerob, LLC of its right to seek arbitration or any other rights it may have. In arbitration all parties acknowledge that special, consequential, incidental and punitive damages are unavailable, that the arbitrator is barred from awarding any such relief and that the liability of Seller regardless of the nature of Purchaser's Claim is the total purchase price, exclusive of shipping costs, actually paid by Purchaser to Anerob, LLC for product.

APPLICABLE LAW. The rights and responsibilities of Anerob, LLC and Purchaser shall be governed and controlled as to validity, enforcement, interpretation, construction, effect and in all other respects by the internal laws of the State of Montana. Anerob, LLC and Purchaser agree and acknowledge that for all purposes, the relationship between them was made, entered into, and performed in the State of Montana, Missoula County, and that venue for any Claim is Missoula County, Montana as herein articulated. Purchaser agrees to submit to the personal jurisdiction of Montana Courts.

ATTORNEY'S FEES. Should either Anerob, LLC or Purchaser elect to enforce its rights under any agreement to purchase product, through arbitration, the substantially prevailing party shall be entitled to recover its costs and expenses, including reasonable attorneys' fees, against the other party.

SEVERABILITY. The within provisions are severable. If any provision of this acknowledgment or its application is held invalid, the invalidity shall not affect other obligations, provisions, or applications of this acknowledgment which can be given effect without the invalid obligations, provisions, or applications.