

SEPOR, INC 718 N FRIES AVE. WILMINGTON, CA 90744 310 830 6601 Fax: 310 830 9336 info@sepor.com

OPERATING AND MAINTENANCE MANUAL MINI JAW CRUSHER



The Model 150 Mini Jaw Crusher is moderately free from maintenance. Regular lubrication, in accordance with the instructions printed on the name plate, is generally all that is necessary.

The ceramic jaws of the crusher are tough and durable. They will perform adequately under normal operating conditions. However, a few precautions are advised, particularly when crushing hard or tough rock samples Extensive testing has shown it is possible to chip the ceramic in two ways:

(1) By feeding sample pieces which are larger than the recommended size, 1 inch, or (2) When the sample is fed near the side of the jaw plates, there is a tendency for the plates to chip. Again, when crushing hard, brittle rocks, the clear plastic cover should be used over the crusher feed opening. This cover prevents sample chips from flying out and possibly hitting the operator in the eye.

New belts stretch in use and need to be tightened occasionally. Tighten belt by moving motor away from crusher. The discharge opening is set at the factory to approximately 1/8", which is adequate for most sample crushing operations. This is particularly true crusher is used in conjunction with our Model 150 Mini- Jaw Crusher. Nonetheless, changing the size of the discharge is a relatively simple operation.

- (1) Adjusting Bolt is located in front of the Stationary Jaw Plate. Loosen the lock nut.
- (2) Turn adjusting screw clockwise to reduce closed side gap. Turn adjusting screw counter clockwise to increase closed side gap.
- (3) Re-tighten the lock nut.

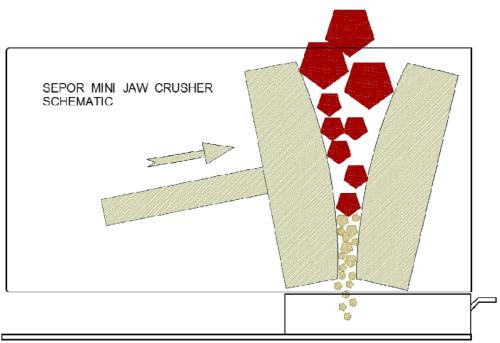
NOTE: It is important that the lower edges of the ceramic plates DO NOT TOUCH.

The toggle return spring keeps tension on the toggle to keep it in place and to prevent its chattering. The spring is tight enough when it is tightened sufficiently to prevent chattering as the harder samples are being crushed. A stainless-steel tray is provided for recovering the crushed sample. The residue from crushing most rock samples is easily removed from the jaws of the crusher and the tray with a short blast of compressed air. While samples containing large amounts of clays and iron oxides tend to cling to the jaws with the tenacity, we have found a narrow, tapered paddle, the point of which is covered with fine emery cloth or/and a coarse, stiff-bristled fabric, facilitates the cleaning operation.

LUBRICATION

The jaw crusher has 3 bearings that require lubrication on a continual basis. Alight machine oil or 3 in 1 oil will be adequate for this purpose. The bearing housing has a oil cup, with a spring loaded lid that needs to be flipped back and oil added. After oiling bearings, turn crusher on and let if run for a few minutes, as this helps distribute oil; to the bearings. The three bearings requiring lubrication are the Left Outboard Bearing, the Right Outboard Bearing and the Bumper Block Bearing. Refer to attached parts drawing.

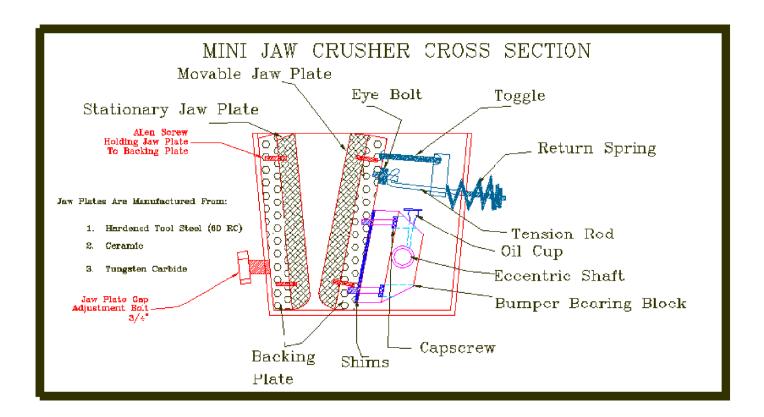


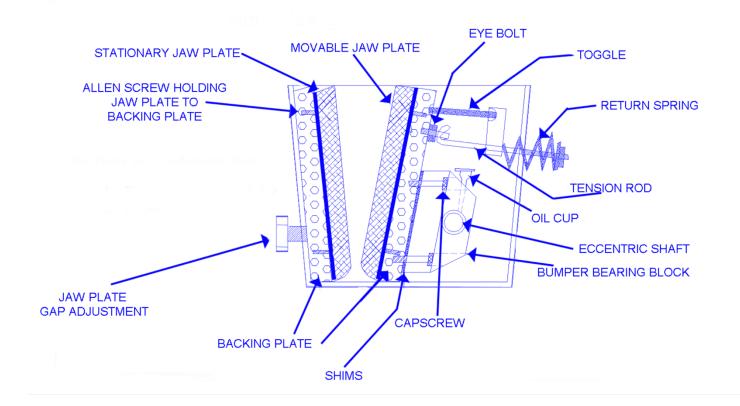


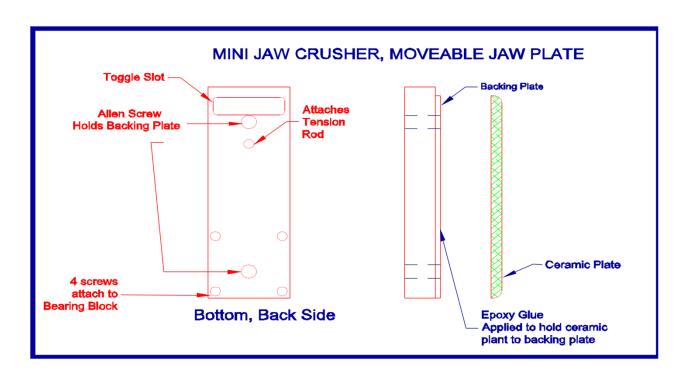
OPERATION OF THE MINI JAW CRUSHER

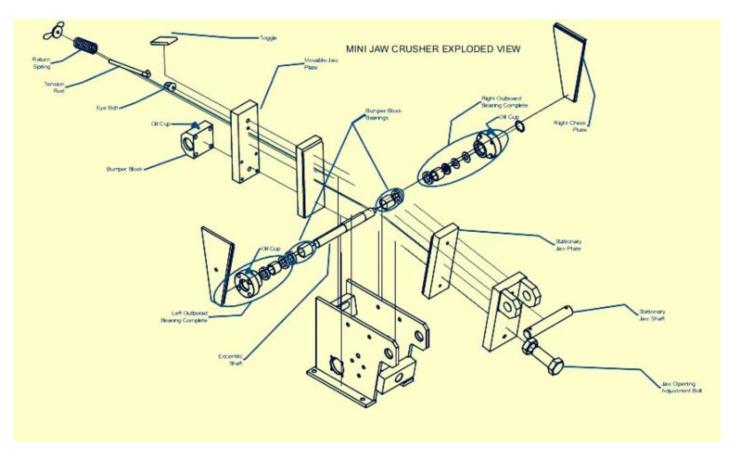
The Mini-Jaw Crusher is a single toggle type of miniature laboratory jaw crusher. The major operating components are illustrated (less drive) in the cross section, above. The movable jaw is attached to the drive via the eccentric shaft. The rotation of the eccentric shaft causes the movable jaw to move towards the stationary jaw in an elliptical motion.

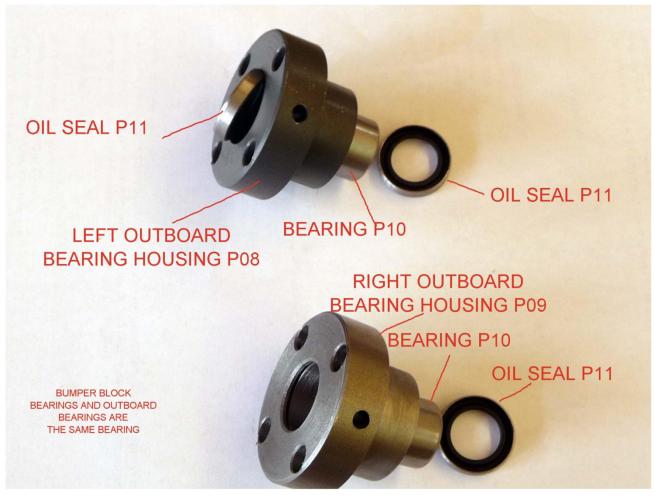
The toggle and the movable jaw are held in tension by the tension rod and return spring combination. The space at the bottom of the jaw determines the size of the crushed material. This space is factory set at 1/8". It may be adjusted, by turning the 3/4" adjusting screw shown above, to achieve 1/16"(or finer) to 1/4" jaw spacing. Replacement of the jaw plates is easy, since all crushers manufactured after January 1996 have jaw plates fastened to the backing plate with allen screws, countersunk into the backing plate to make the surface flush, which makes replacement quick and easy. Further, the different types of jaw plates are interchangeable. On crushers manufactured prior to January 1994, a jaw crusher with ceramic plates could not use steel plates or tungsten carbide plates, only ceramic plates. Now, all types of jaw plates may be used in any jaw crusher.

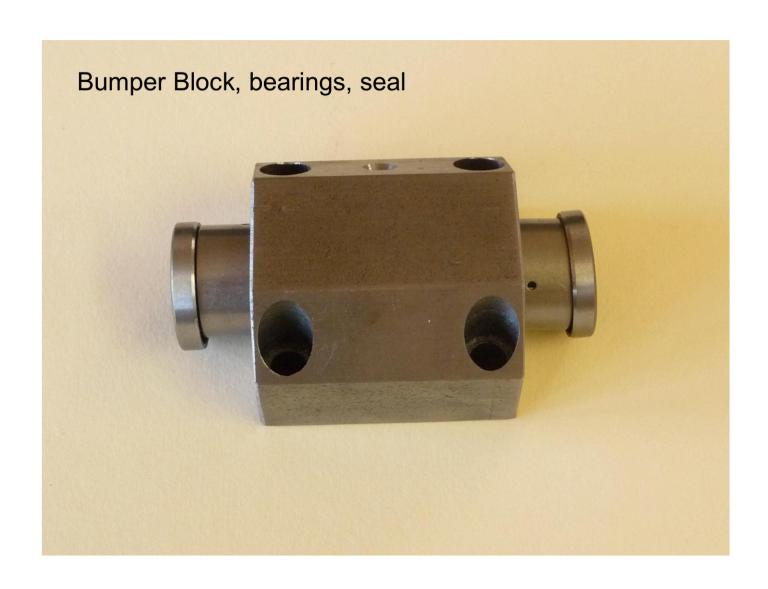












| Item ID | ltem Description | Qty Needed |
|-----------|--------------------------------|------------|
| 010A-021 | 2x2 Mini Crusher W/Steel Plate | |
| 010A-P001 | 2x2 Jaw crusher base | 1 |
| 010A-P003 | 2x2 Jaw crusher Belt guard | 1 |
| 010A-P004 | 2x2 Stationary Jaw Backing Pl | 1 |
| 010A-P005 | 2x2 Moveable Jaw Backing Plate | 1 |
| 010A-P006 | 2x2 Toggle | 1 |
| 010A-P007 | 2x2 Jaw crusher frame | 1 |
| 010A-P008 | 2x2 Left OutBoard Housing | 1 |
| 010A-P009 | 2x2 Right OutBoard Housing | 1 |
| 010A-P010 | Eccentric Shaft 5/8" Complete | 1 |
| 010A-P012 | 2x2 Bumper Block | 1 |
| 010A-P020 | 2x2 Steel Jaw Plate Carb03 | 2 |
| 010A-P021 | 2x2 Steel Cheek Plate | 2 |
| 010A-P024 | 2x2 Stand Off 3/4x1-1/4x5/16 | 4 |
| 010A-P028 | 2x2 Shaft 3/4" Complete | 1 |
| 010A-P045 | Pan for Mini jaw crusher | 1 |
| MO-102932 | 1/3hp 115/208-230v 60hz 1725rp | 1 |
| 100ST035 | Cap Screw 1/4"-20 Thrd 1/2"L | 4 |
| 100ST062 | Cap Screw 5 3/4"-16 2"L | 1 |
| 100ST156 | Cap Screw 1/4"-20 Thrd 2" L | 4 |
| 100ST217 | Machine Screw 10-32 Thrd 1/2" | 1 |
| 100ST219 | Machine Screw 10-32 Thrd 1" L | 4 |
| 100ST271 | Cap Screw1/4"-28 Thrd 1" L | 2 |
| 100ST305 | Cup Set Screw 1/4"-28 1/2"L | 10 |

| 100ST507 Cap Screw 8-32 Thrd 1" L 8 100ST412 Cap Screw 1/4"-28 Thrd 5/8" L 2 100ST465 Cap Screw 1/4"-20 Thrd 1" L 4 100ST538 Steel Hex Nut 1/4"-20 Thrd 7/6" 8 100ST540 Hex Nut 10-32 Thrd 3/8" W 1/8" 4 100ST545 Hex Nut 3/4"-16x1-1/8" 41/64" 1 100ST750 Washer 1/4" Size 47/64" 4 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 <th></th> <th></th> <th></th> | | | |
|--|-------------|--------------------------------|---|
| 100ST465 Cap Screw 1/4"-20 Thrd 1" L 4 100ST538 Steel Hex Nut 1/4"-20Thrd 7/6" 8 100ST540 Hex Nut 10-32 Thrd 3/8" W 1/8" 4 100ST545 Hex Nut 3/4"-16x1-1/8" 41/64" 1 100ST750 Washer 1/4" Size 47/64" 4 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long,750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST507 | Cap Screw 8-32 Thrd 1" L | 8 |
| 100ST538 Steel Hex Nut 1/4"-20Thrd 7/6" 8 100ST540 Hex Nut 10-32 Thrd 3/8" W 1/8" 4 100ST545 Hex Nut 3/4"-16x1-1/8" 41/64" 1 100ST750 Washer 1/4" Size 47/64" 4 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST412 | Cap Screw 1/4"-28 Thrd 5/8" L | 2 |
| 100ST540 Hex Nut 10-32 Thrd 3/8" W 1/8" 4 100ST545 Hex Nut 3/4"-16x1-1/8" 41/64" 1 100ST750 Washer 1/4" Size 47/64" 4 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST465 | Cap Screw 1/4"-20 Thrd 1" L | 4 |
| 100ST545 Hex Nut 3/4"-16x1-1/8" 41/64" 1 100ST750 Washer 1/4" Size 47/64" 4 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST538 | Steel Hex Nut 1/4"-20Thrd 7/6" | 8 |
| 100ST750 Washer 1/4" Size 47/64" 4 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST540 | Hex Nut 10-32 Thrd 3/8" W 1/8" | 4 |
| 100ST795 Washer 1/4" Size .49" OD .06" 6 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST545 | Hex Nut 3/4"-16x1-1/8" 41/64" | 1 |
| 101ST192 Wing Nut 1/4"-20 Size 1" 1 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST750 | Washer 1/4" Size 47/64" | 4 |
| 112ST205 Eyebolt Zink 1/4"-20x4" 1 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 100ST795 | Washer 1/4" Size .49" OD .06" | 6 |
| 112ST256 Tie-Down Eye 1/4" ID 5/8" Diam 1 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 101ST192 | Wing Nut 1/4"-20 Size 1" | 1 |
| 600ST211 Steel Spring1.75" Long.750" OD 1 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 112ST205 | Eyebolt Zink 1/4"-20x4" | 1 |
| 700ST090 Drive-in Oil-Hole Cover 6mm 3 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 112ST256 | Tie-Down Eye 1/4" ID 5/8" Diam | 1 |
| 730ST326 Bumper 7/8" Dia 17/32" 4 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 600ST211 | Steel Spring1.75" Long.750" OD | 1 |
| 762ST176 V-Belt 4L-270 1 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 700ST090 | Drive-in Oil-Hole Cover 6mm | 3 |
| 782ST029 Ball Bearing BA1112-Z-OH 2 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 730ST326 | Bumper 7/8" Dia 17/32" | 4 |
| 782ST025 Ball Bearing BA1012-Z-OH 1 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 762ST176 | V-Belt 4L-270 | 1 |
| 782ST275 Linear Ball Bearing Seal 1 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 782ST029 | Ball Bearing BA1112-Z-OH | 2 |
| 782ST279 Linear Ball Bearing Seal 2 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 782ST025 | Ball Bearing BA1012-Z-OH | 1 |
| 784ST006 Bearing NTA-613 3/8"I.D.X13/16 1 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 782ST275 | Linear Ball Bearing Seal | 1 |
| 784ST022 Washer 3/8"x13/16" 2 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 782ST279 | Linear Ball Bearing Seal | 2 |
| 789ST275 V-Belt Pulley 5/8" Fixed 2"OD 1 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 784ST006 | Bearing NTA-613 3/8"I.D.X13/16 | 1 |
| 789ST289 V-Belt Pulley 5/8" Fixed 4"OD 1 800ST120 Motor Power Cord feed switch 1 | 784ST022 | Washer 3/8"x13/16" | 2 |
| 800ST120 Motor Power Cord feed switch 1 | 789ST275 | V-Belt Pulley 5/8" Fixed 2"OD | 1 |
| | 789ST289 | V-Belt Pulley 5/8" Fixed 4"OD | 1 |
| B16800ST200 Grommet 1/2" ID1" OD3/32" 3/4 1 | 800ST120 | Motor Power Cord feed switch | 1 |
| | B16800ST200 | Grommet 1/2" ID1" OD3/32" 3/4 | 1 |

2x2 Mini Jaw Crusher with Alumina • 010A-011

| ltem ID | ltem Description | Qty Needed |
|-----------|--------------------------------------|------------|
| 010A-P014 | 2X2 Alumina Jaw Plates | 2 |
| 010A-P018 | 2x2 Alumina Jaw Backing Plate | 2 |
| 010A-P026 | 2x2 Alumina Cheek Plate with Backing | 2 |
| 010A-P015 | 2x2 Alumina Cheek Plate | 2 |
| 010A-P017 | 2x2 Cheek Backing Plate | 2 |

2x2 Mini Jaw Crusher with Tungsten• 010A-012

| ltem ID | Item Description | QTY Needed |
|-----------|------------------------------------|------------|
| 010A-P022 | 2x2 Tungsten Cheek Plate w/backing | 2 |
| 010A-P011 | 2x2 Tungsten Cheek Plate | 2 |
| 010A-P017 | 2x2 Tungsten Cheek Backing Plate | 2 |
| 010A-P025 | 2x2 Tungsten Jaw Plate w/backing | 2 |
| 010A-P013 | 2x2 Tungsten Jaw Plate | 2 |