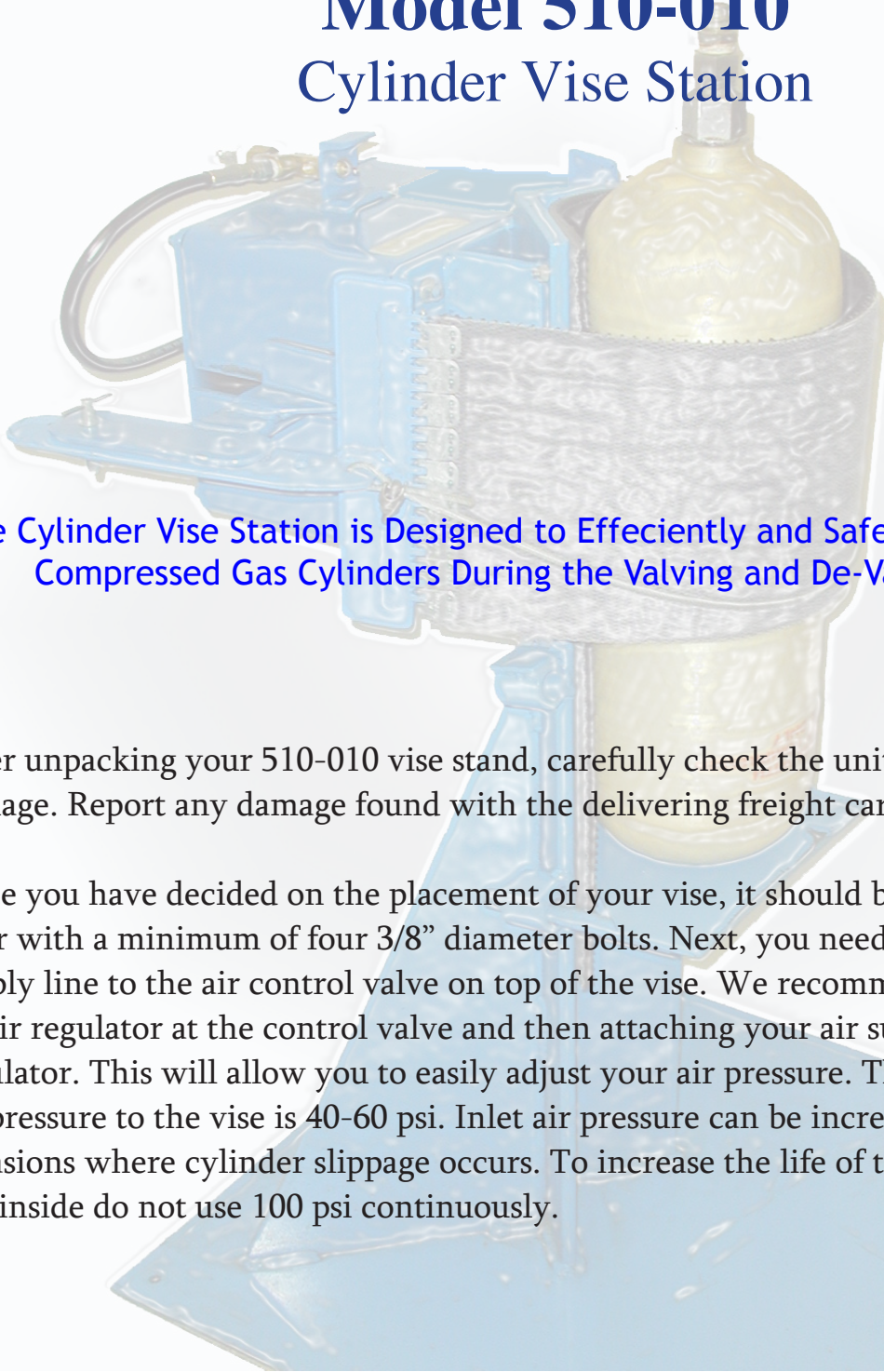


Instruction Manual

Model 510-010

Cylinder Vise Station



The Cylinder Vise Station is Designed to Efficiently and Safely Retain Industrial Compressed Gas Cylinders During the Valving and De-Valving Process

After unpacking your 510-010 vise stand, carefully check the unit over for shipping damage. Report any damage found with the delivering freight carrier immediately.

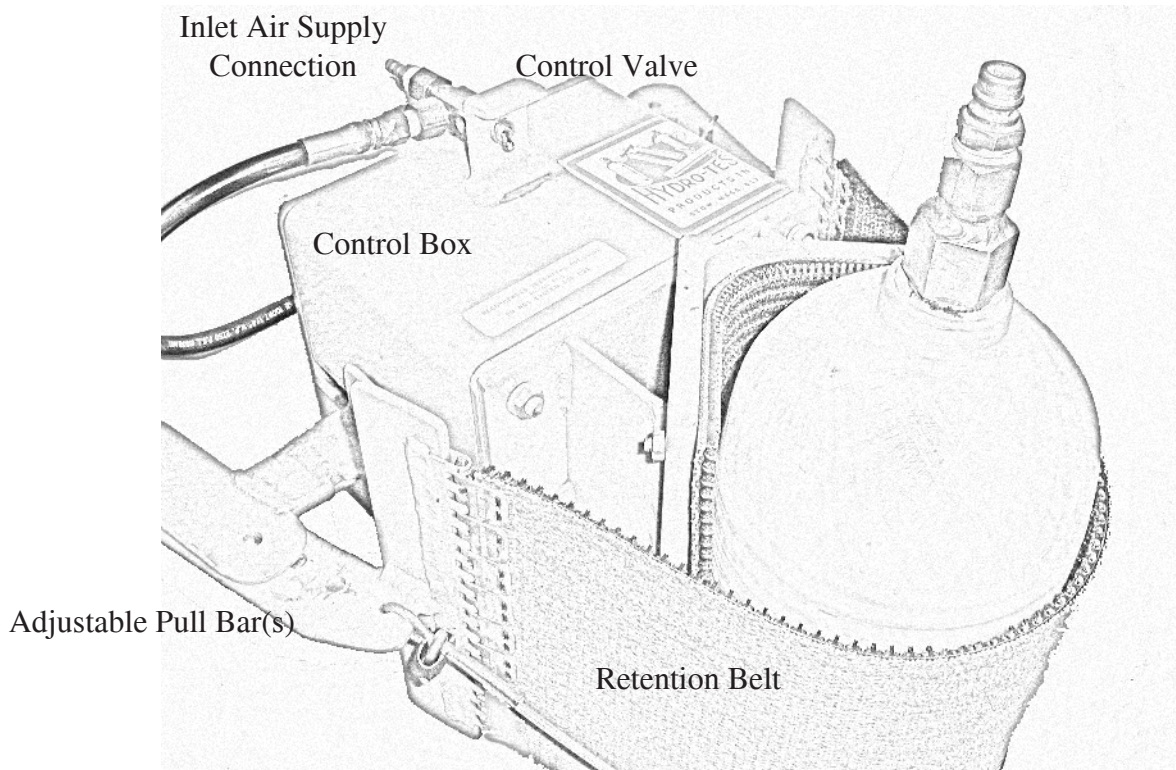
Once you have decided on the placement of your vise, it should be bolted to the floor with a minimum of four 3/8" diameter bolts. Next, you need to run an air supply line to the air control valve on top of the vise. We recommend installing an air regulator at the control valve and then attaching your air supply line to the regulator. This will allow you to easily adjust your air pressure. The recommended air pressure to the vise is 40-60 psi. Inlet air pressure can be increased to 100 psi for occasions where cylinder slippage occurs. To increase the life of the belt and the air bag inside do not use 100 psi continuously.



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Main Items of Vise Station



WARNING

***DO NOT OPERATE THIS VISE WITH MORE THAN 100 PSI AIR PRESSURE
DO NOT USE ANY OTHER TYPE OF GAS OTHER THAN SHOP AIR TO OPERATE
NEVER OPERATE THE VISE IF IT HAS WORN OR DAMAGED PARTS.***

Operating The Vise Station

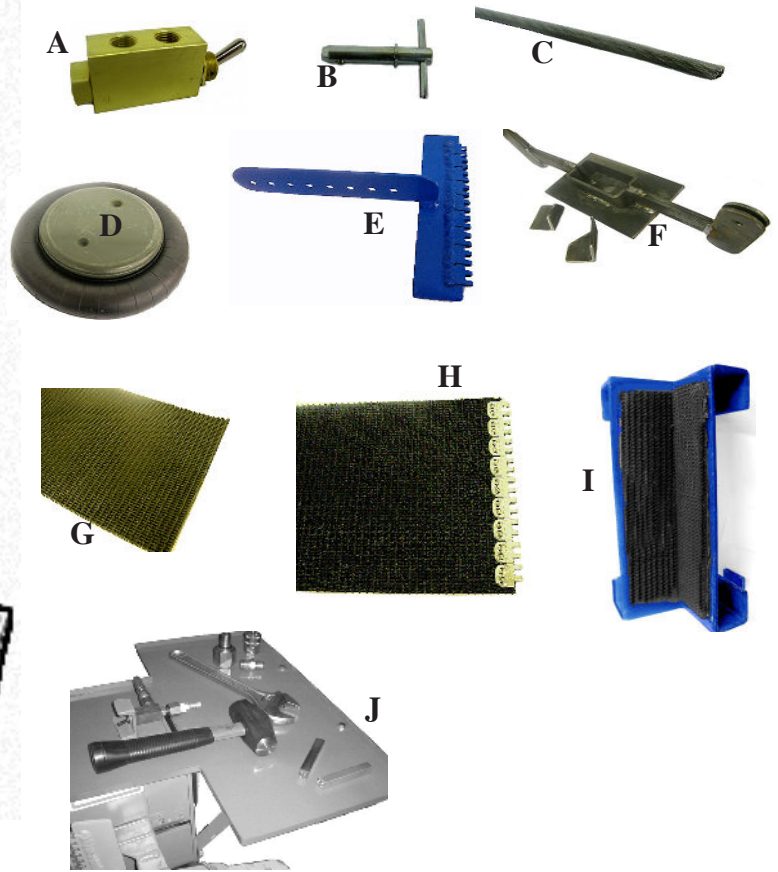
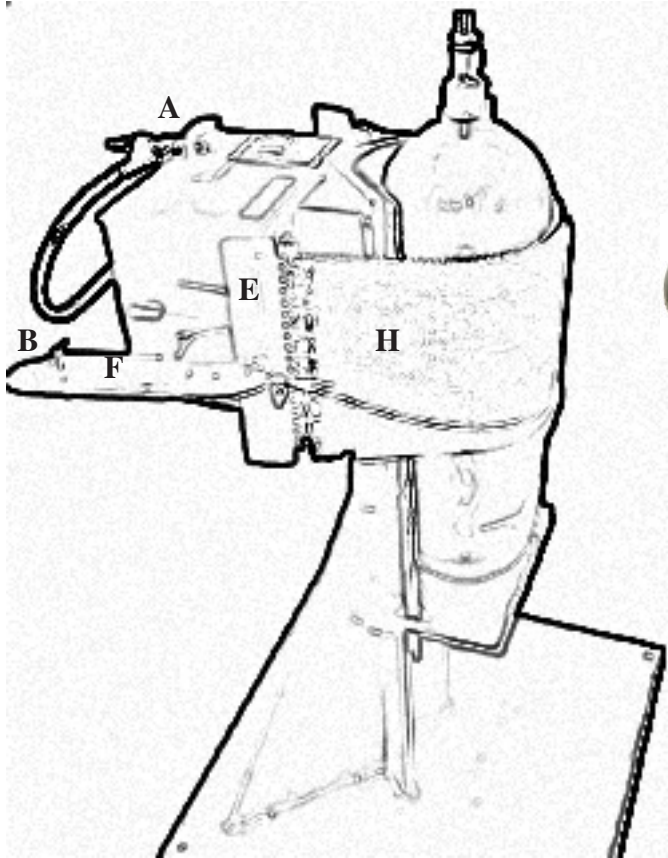
- Remove the 2 Pull Pins Located On The Pull Bar Assemblies and Remove The Retention Belt
- Adjust The Shelf Plate (or remove) So That The Cylinder Is At A Good Working Height
- Place The Cylinder In The Vise
- Place The Retention Belt Assembly Around The Cylinder (textured surface facing cylinder)
- Align the Holes In The Pull Bar With Those In The Pull Arm Assembly
- Insert The Pull Pins Into The Aligned Holes Of The Pull Bar and The Pull Arm Assembly
- Be Sure That The Pull Pins Are Engaged Completely Through The Pull Arm Assemblies
- To Activate Retention Vise Belt, Move The Control Valve To The On Position
- To Release The Retention Belt Turn Valve To Off Position



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Parts Breakdown



Key	Part No.	Description
A	120-025	Inlet Air Control Valve
B	210-030	Pull Pin
C	210-058	Nylon Cable for Retention Belt
D	210-028	Air Actuator Bag (located inside box)
E	210-106	Pull Bar (attaches to belt)
F	210-230	Pull Arm Assembly (located inside box)
G	130-020	Replacement Back Pad (per ft)
H	210-054	Retention Belt Assembly (includes lacing)
I	510-012	Small Cylinder Fixture
J	510-045	Optional Tool Tray (bolts onto vise)



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Troubleshooting

Problem	Cause	Solution
With air control valve in on position - vise does not operate	1) Low or no inlet air pressure 2) Air control valve faulty 3) Internal rubber actuator has ruptured	1) Verify inlet air press. of 60 psi 2) Replace air control valve 3) replace air actuator
Air will not exhaust from vise after turning control valve off	Clogged or faulty inlet air control valve	Clean or replace valve
Occasional cylinder turns in vise when trying to de-valve	1) Requires greater air pressure 2) Retention belt is worn 3) Back pad is worn	1) Increase inlet air pressure to no more than 100 psi 2) Replace retention belt 3) Replace back pad
Belt continually seperates or tears from lacing	1) Inlet pressure to high 2) Pull arm assembly is worn	1) Verify inlet air press. of 60 psi 2) Replace Pull arm assembly
Small cylinders (> 4" dia.) are not "engaged" with belt	Small diameter cylinders require the small cylinder fixture	Insert small cylinder fixture to inside back of vise

SAFETY WARNING: ALWAYS BE SURE THAT HANDS OR FOREIGN OBJECTS ARE NOT POSITIONED BETWEEN RETENTION BELT AND CYLINDER

Maintenance: The Model 510-010 Vise Station Requires Very Little Maintenance. To Keep the Vise Working Properly and for Safety Reasons the Following Maintenance Recommendations are Made:

- Check air inlet pressure whenever operating the vise. DO NOT increase inlet air pressure to over 100 psi. The vise is designed to operate on 40 -60 psi. You may need to increase the inlet air pressure to 100 psi for the occasional "stubborn" valve.
- Check Safety Strap (nylon chord) Around Retention Belt Daily and Replace if Worn
- Inspect For Wear of Retention Belt Weekly and Replace When Textured Surface Becomes Smooth
- Check Tightness of Mounting Bolts on Base Plate Monthly



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