OWNER'S MANUAL

Direct Drive Air Rewind Hose Reels

ADDA1200-BM
ADDA1900-BM
ADDA2500-BM
ADDA25002-BM
ADDA4000-BM
ADDA5000-BM

March 2026

READ INSTRUCTIONS BEFORE OPERATING

DESCRIPTION

The ADDA Range of Reels are primarily used for the transportation of various media such as water, air, and oil. They allow workers to conveniently and quickly access different energy substances and can extend the hose to the required length for operation, which can then be retracted after use.
Specific applications include, but are not limited to, the following areas:

1. **Factory Workshop Storage:** It helps prevent hoses from piling up or being scattered on the floor, reducing safety hazards, improving work efficiency, & enhancing the working environment.
   For example, in automotive manufacturing plants, it is used to organize & store various air hoses and oil lines.
2. **Automotive Aftermarket 4S Shops & Repair Shops:** In automotive maintenance shops, it facilitates maintenance personnel in accessing and organizing various tool connection hoses.
3. **Construction Machinery Equipment:** It is applied in cranes, road recycling equipment, street sweepers, drainage vehicles, fire trucks, shield tunneling machines, & other construction machinery.
   It delivers the necessary energy media, such as hydraulic oil & air, to these machines, making it easier to use and manage the equipment in different working positions and scenarios.
4. **Mining Operations:** Mining areas require frequent transportation of hydraulic oil, lubricants & other oils, traditional manual dragging of the pipeline is not only prone to oil leakage, but also due to wear and tear of the pipeline mixed with slag impurities.
   This product can be adapted to the oil-resistant pipe, through the pneumatic motor rewinding to realize the orderly storage & rapid deployment of the oil pipeline.

*2 YEAR WARRANTY

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www.alemlube.com.au
www.alemlube.co.nz

SAFETY WARNINGS

For your own safety, please always adhere to the following precautions when using this product.
Failure to comply with these requirements may result in bodily injury or even death.

General Precautions

1. Ensure that the inlet pressure does not exceed the rated pressure.
2. Use appropriate safety goggles when assembling and using the reel.
3. Assemble the reel on a clean workbench to avoid debris and moisture.
4. Use soapy water to check for leaks.
5. Keep children away from the work area.

Injection Hazards

High-pressure fluids or gases ejected from components such as spray guns and hoses can cause skin injuries.
Seek immediate medical attention, as this may lead to amputation. Please follow these operational guidelines:

1. Do not point the hose outlet at anyone.
2. Do not cover the hose outlet with your hand.
3. Do not use your hand, body, gloves, or rags to block or redirect leaks.
4. Disconnect the air source when not spraying.

Product Usage Precautions

1. Any improper operation of the product may cause damage or malfunction, leading to loss of functionality.
2. The product is intended for use by professionals only.
3. The product is to be used only for its specified purposes.
   For any other applications, please contact the manufacturer or authorized representative in advance.
4. Do not alter the structure of the product without authorization.
   If parts need to be replaced, only use specified spare parts and accessories.
5. Do not use the product near open flames. Do not smoke during this operation.
6. When using this product, be sure to use the air line filter/regulator/lubricator before air intake to extend the service life of the product, & the stability of the product work.
7. To prevent pneumatic motors from water for internal damage & motor lifespan reduction.

SAFETY SYMBOLS

The following symbols are used on this product. Please read & understand their meanings carefully.
A proper understanding of these symbols will help you operate this product safely & responsibly.

1. Fire & Explosion Hazards

Flammable fumes in the work area may cause fire and explosion; therefore:

- This equipment should only be used in a well-ventilated environment.
- Keep all sources of ignition and objects that may generate static electricity clear.
- Maintain a clean working area.
- Ensure that this equipment is properly grounded.
- If static sparks occur or if you feel an electric shock, immediately stop operation.
  Do not use this equipment until the issue has been identified & corrected.
- An effective fire extinguisher should be available in the work area.

2. Injection Hazards

High-pressure fluids ejected from components such as spray guns and hoses can cause serious skin injuries. Immediate medical attention is required, as failure to do so may result in amputation.
To ensure safe operation, please adhere to the following guidelines:

- Never point the spray gun nozzle at anyone.
- Do not place your hand over the spray gun nozzle.
- Avoid using your hands, body, gloves, or rags to block or redirect leaks.
- Lock the spray gun trigger when not in use.
- Before performing any other operations, such as cleaning, inspecting, or maintaining the equipment, disconnect the air supply and relieve pressure according to the instructions after stopping spraying.

3. Equipment Misuse Hazards

Misuse of the equipment can lead to serious injuries or fatalities.
It is essential to use the equipment correctly:

- Do not operate this equipment when fatigued, or after using drugs or alcohol.
- The maximum working pressure or temperature during operation must not exceed the minimum rated values of all system components.
- Inspect the equipment daily; any worn or damaged parts should be repaired or replaced immediately.
- Do not modify or alter this equipment in any way.
- Keep children and animals away from the work area.
- Use this equipment only in compliance with safety regulations.

4. Pinch Point Hazard

- During the operation of the hose winder, there is a risk of hand pinching in the gap between the reel and the machine body, and in the hose winding process, which may lead to injuries such as finger squeezing and scratches, so please strictly observe the following operation norms:
- Keep the distance between your hands during operation: when rewinding or unwinding the hoses, both hands should be held 10cm away from the end of the hoses, and it is strictly prohibited to put your fingers close to the edge of the reel, the gears engaging or the gap of the machine body, so as to avoid your hands being involved in the hoses with the hoses.
  Prohibit adjusting the winding direction of the pipe with bare hands: when the pipe is skewed or stacked, you need to shut down the pipe winder and use special tools (such as pry bar and gloves to assist) to adjust the position, and don't directly fiddle with the rotating parts with your hands.
- Pay attention to the emergency response: If your hand is accidentally pinched, you should immediately press the emergency stop button, do not force pulling.
  When the equipment stops, slowly move out of the trapped parts, if necessary, seek the assistance of others & seek medical attention in time.

DISCLAIMER

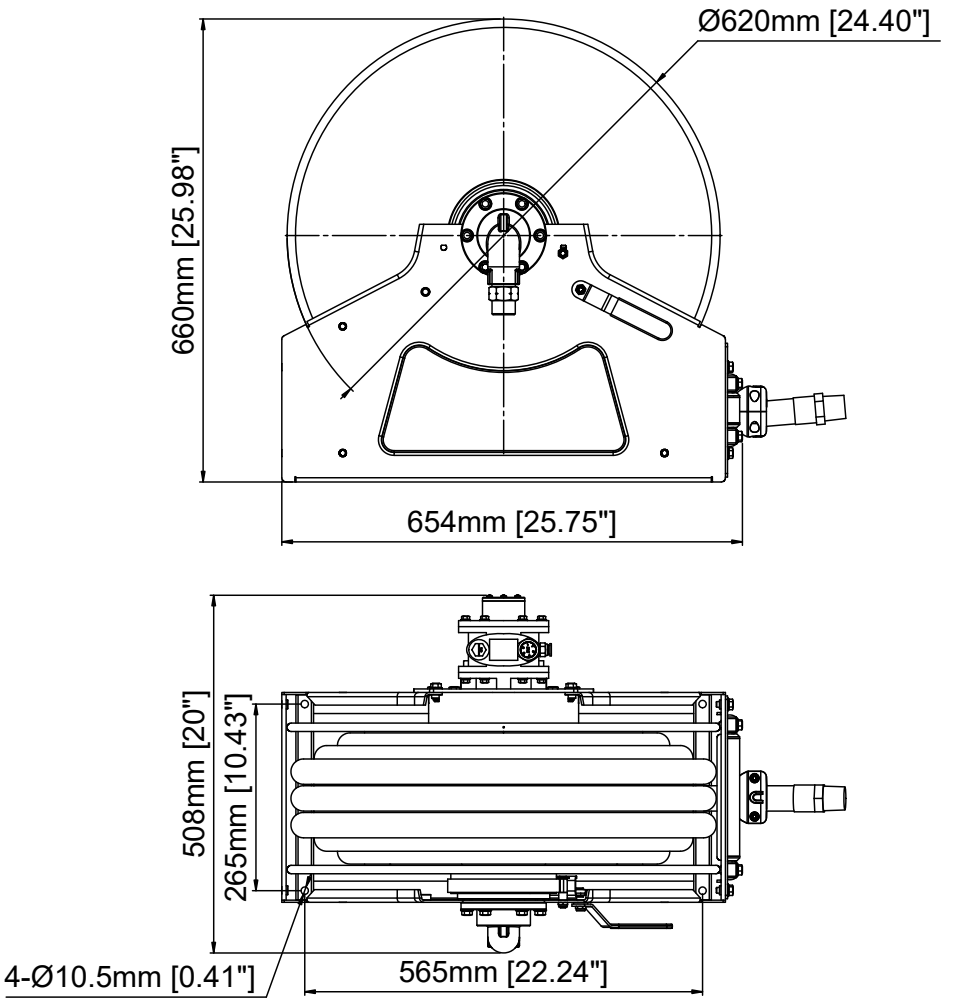
The following symbols are used on this product.
Please read & understand their meanings carefully.
A proper understanding of these symbols will help you operate this product safely & responsibly.

TECHNICAL SPECIFICATIONS

ADDA1200-BM / ADDA1900-BM / ADDA2500-BM Series with Hose

Part Number	Description	Maximum Hose Capacity	Maximum Working Pressure	Valve Inlet / Outlet	Adapters Inlet / Outlet	Driver Type
ADDA1200-BM	DD HOSE REEL 12MM X 30M BARE BM	12MM X 30M	3000PSI	1"BSPT(F/F)	1" - 1/2" (BSPT M / BSP M)	Air Motor
ADDA1900-BM	DIRECT DRIVE HR 19MM X 30M BARE BM	19MM X 30M	3000PSI	1"BSPT(F/F)	1" - 3/4" (BSPT M / BSP M)	Air Motor
ADDA2500-BM	DIRECT DRIVE HR 24MM X 15M BARE BM	24MM X 15M	3000PSI	1"BSPT(F/F)	1" - 1" (BSPT M / BSP M)	Air Motor

Guide Frame Assembly Module: Lower Guide Frame Assembly

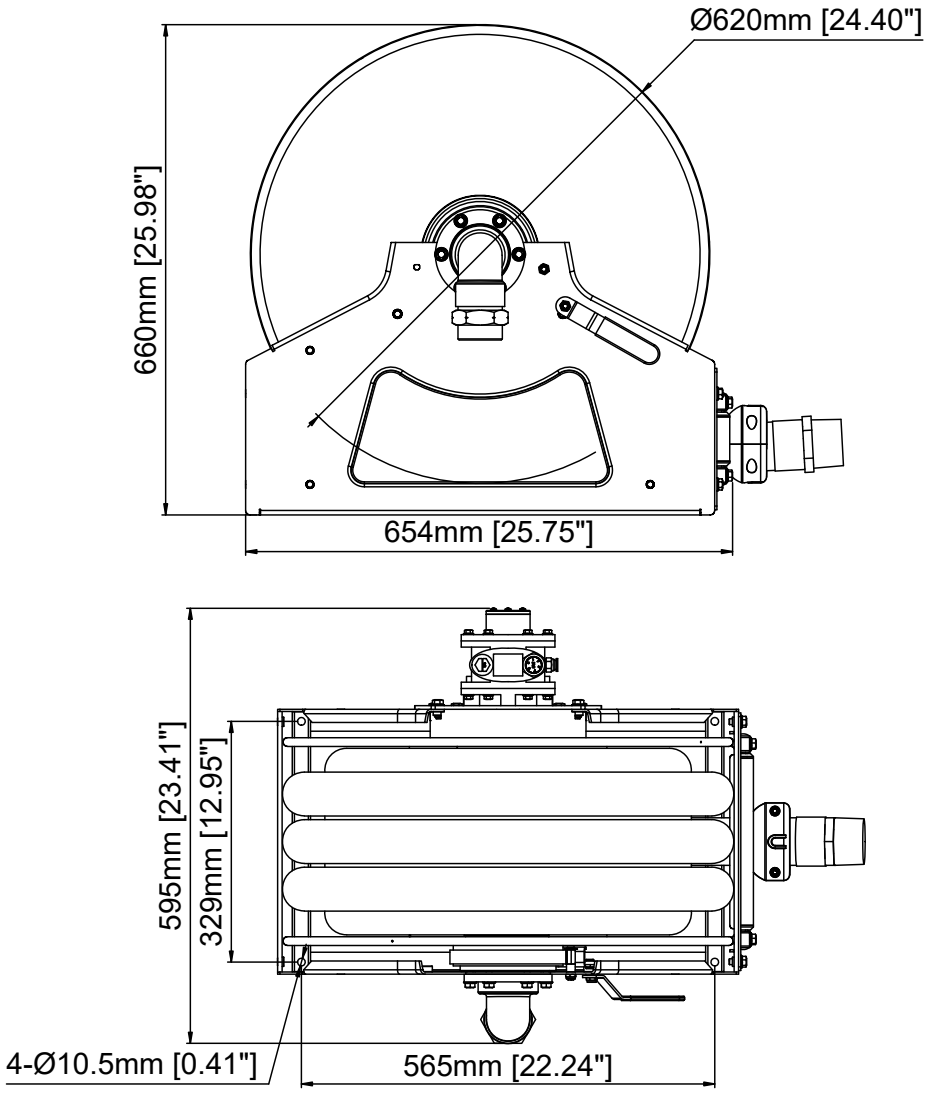


TECHNICAL SPECIFICATIONS

ADDA25002-BM / ADDA4000-BM / ADDA5000-BM Series with Hose

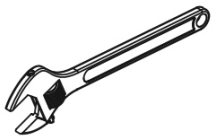
Part Number	Description	Maximum Hose Capacity	Maximum Working Pressure	Valve Inlet / Outlet	Adapters Inlet / Outlet	Driver Type
ADDA25002-BM	DIRECT DRIVE HR 24MM X 30M BARE BM	24MM X 30M	3000PSI	2"BSPT(F/F)	2" - 1" (BSPT M / BSP M)	Air Motor
ADDA4000-BM	DIRECT DRIVE HR 36MM X 20M BARE BM	36MM X 20M	3000PSI	2"BSPT(F/F)	2" - 1-1/2" (BSPT M / BSP M)	Air Motor
ADDA5000-BM	DIRECT DRIVE HR 48MM X 10M BARE BM	48MM X 10M	3000PSI	2"BSPT(F/F)	2" - 2" (BSPT M / BSP M)	Air Motor

Guide Frame Assembly Module: Lower Guide Frame Assembly

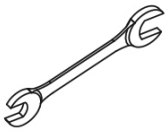


ASSEMBLY

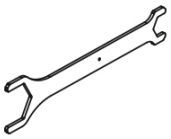
Bring your own tools



Adjustable Wrench
(Stroke： 24~70mm)



Wrench
(S7/S12/S17)



Wrench included with the product
(S60/S34)

AllenWrench
(S5/S6)

Installation of Reel

1. If the reel you have purchased does not have hose included, you will need to purchase & attach. Refer to Specifications on box to determine appropriate hose size and length.
2. You will need to purchase appropriate hardware for mounting your new reel. The reel base has four 0.41" (10.5mm) drilled holes for mounting on a suitable flat surface.
3. Before installing the hose reel, be sure to adjust the direction of inlet.
4. The recommended maximum installation height is 2.4 meters.
5. If hose has been supplied with reel: Apply Teflon tape or pipe sealant to outlet fitting on reel hose, then attach to desired tool, or nozzle. Check connection for leakage, also check hose reel for correct operation. (Details see Operation section.)
6. Ensure that a crane or other suitable lifting equipment is used to lift the hose reel to the required position. As shown in Figure X, secure the lifting sling around the reel shaft. Or as shown in Figure Y, position the sling above the inlet & motor.
7. Typical installations are only a guide, as shown below.

Figure X

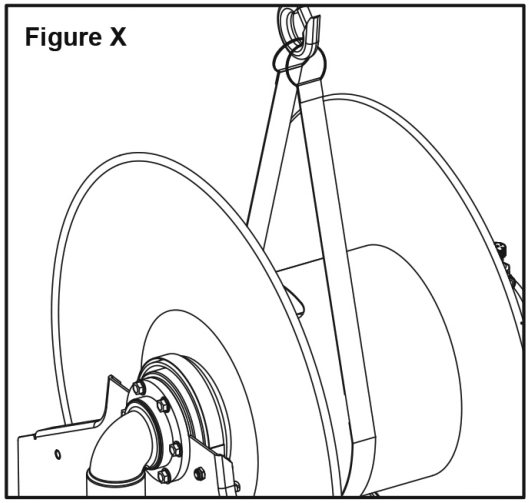
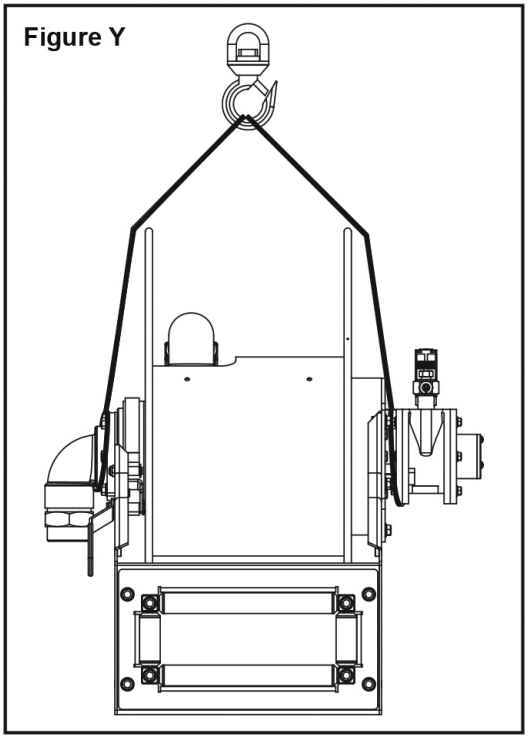
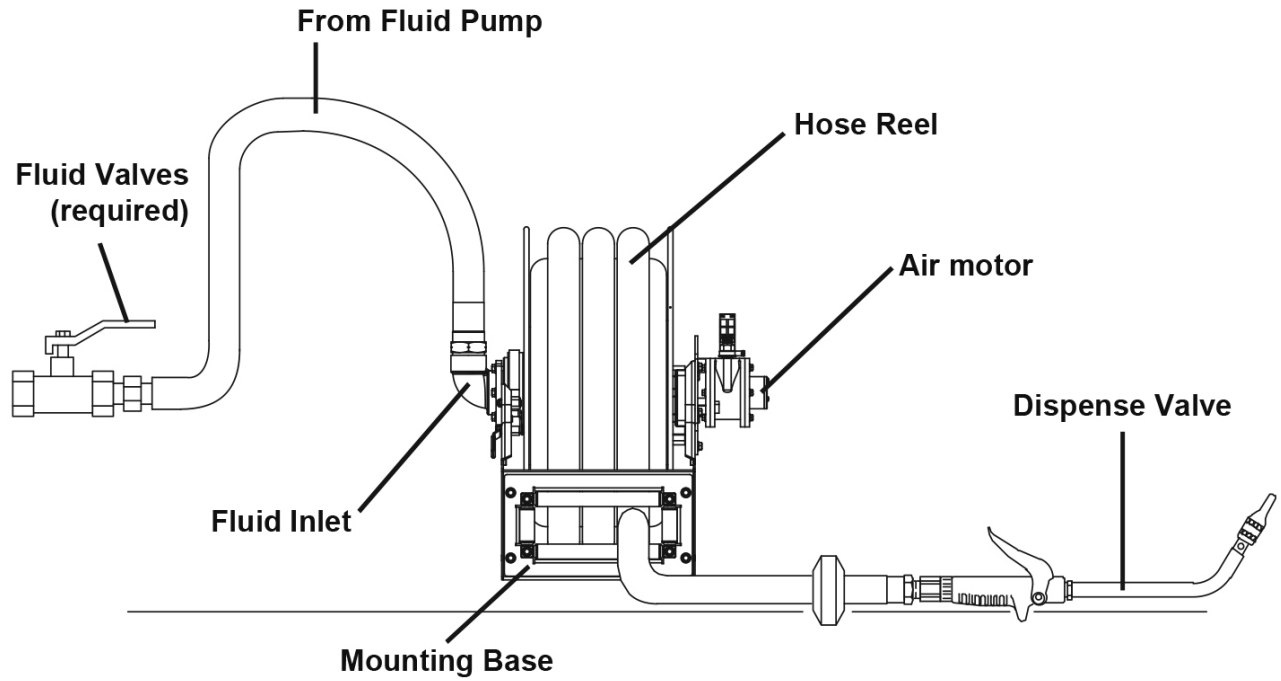


Figure Y

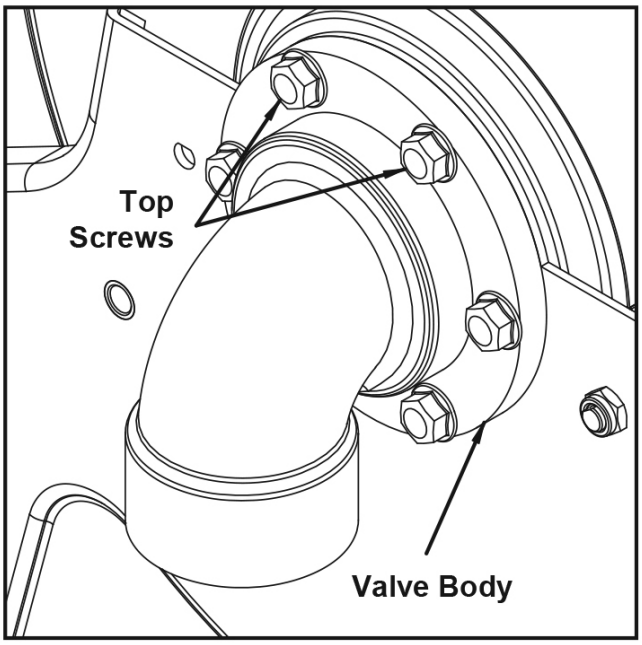


Trailer Flatbed or Floor



Entrance Direction

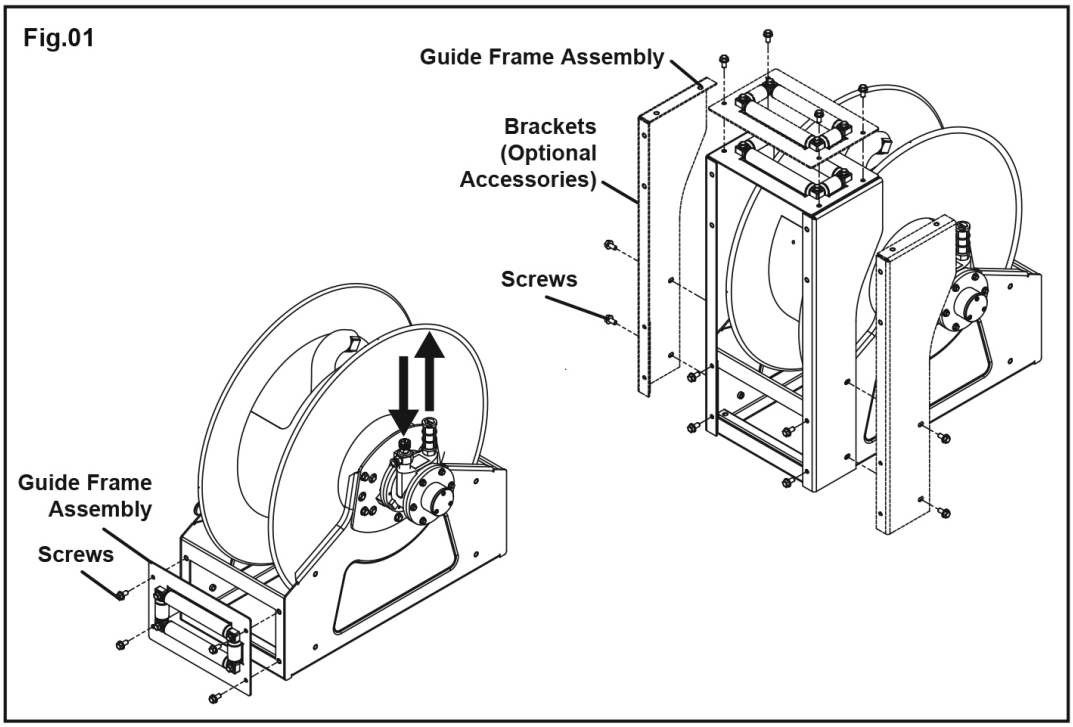
1. Unscrew the screws.
2. Unscrew the valve body & turn it to the desired position.
   NOTE: *Valve body can be rotated & adjusted to 6 positions.*
3. Install the top two screws first, then tighten the remaining screws.



Installation of Guide Frame Assembly

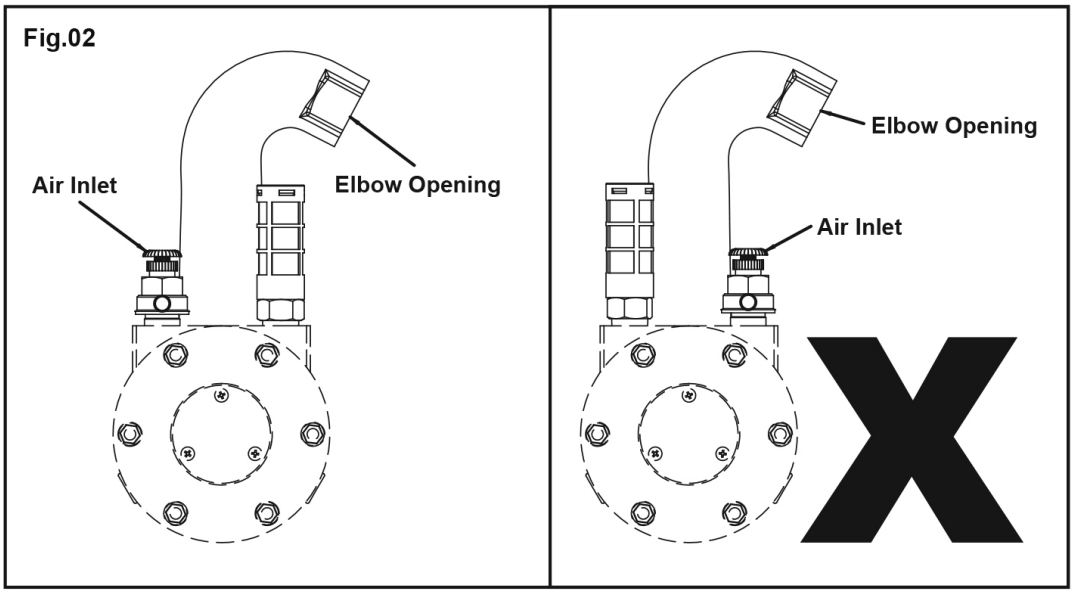
1. Our company is equipped with different specifications of the guide frame components to meet the different working conditions of the use of scenarios.
2. Replacement can be accomplished by switching the guiding form by yourself according to the following mounting method. **(Fig.01)**

Fig.01



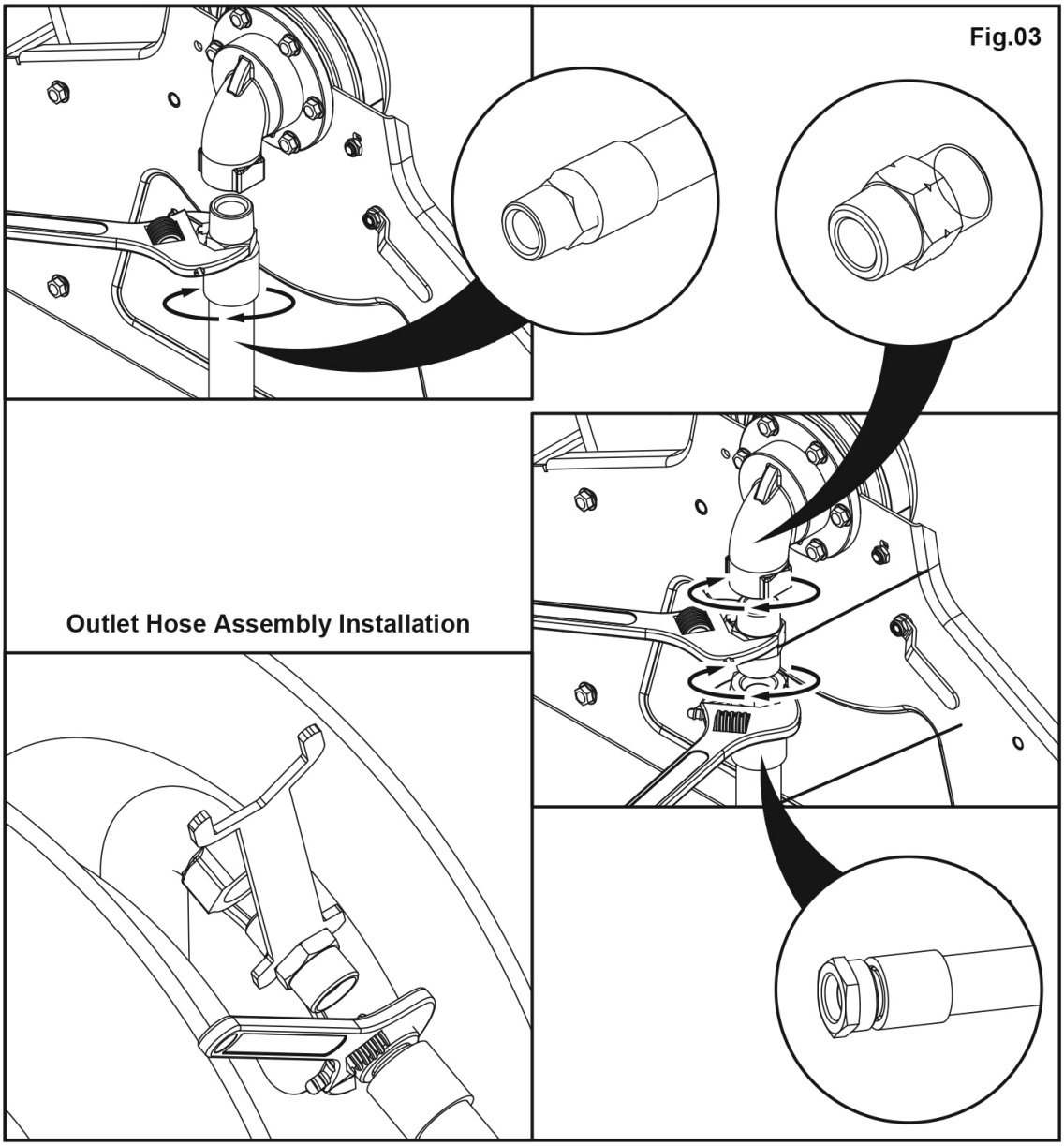
Regardless of the state of the guide, it is important to make sure that the elbow opening is offset from the air inlet position of the air motor, as this is a judgment call to ensure that the tubing is properly recovered by the motor. **(Fig.02)**

Fig.02

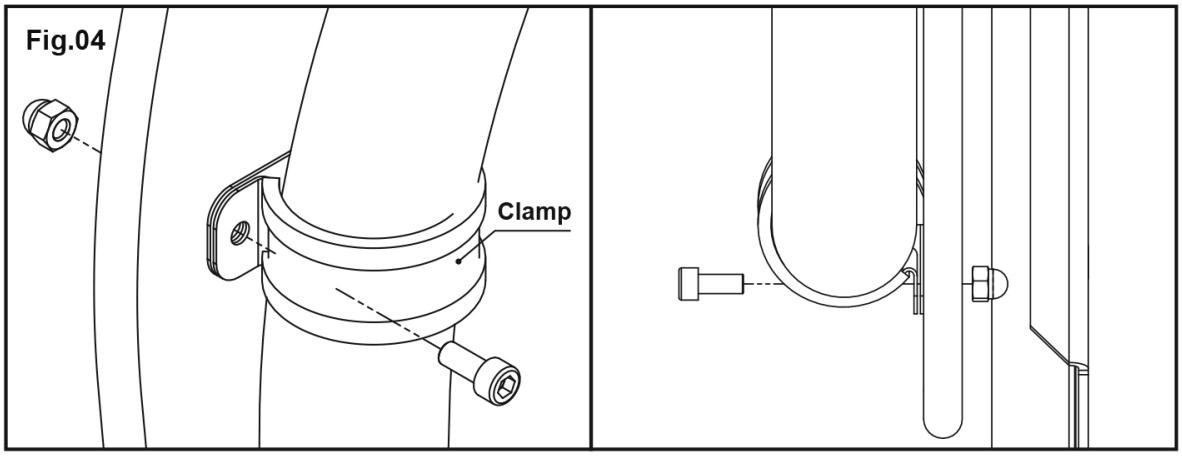


Installation of Hose

1. Securely stabilize the reel.
2. Insert end of the hose through guide roller bracket, hose is pulled out & placed on the ground.
3. Use Teflon tape or pipe sealant on hose fitting threads, screw fitting into swivel & tighten.
   NOTE: *To avoid damage to the swivel, use a wrench to support the swivel fitting while tightening the hose.*
4. Attach hose stopper on the other end of hose, near the outlet fitting.
5. Slowly turn on the motor air supply, motor driven drums & slowly allow hose to wind onto the reel.
6. Users can purchase hose & connectors through our company (some models are equipped with connectors), or they can purchase their own, the following are several ways to install the hose for reference. **(Fig.03)**

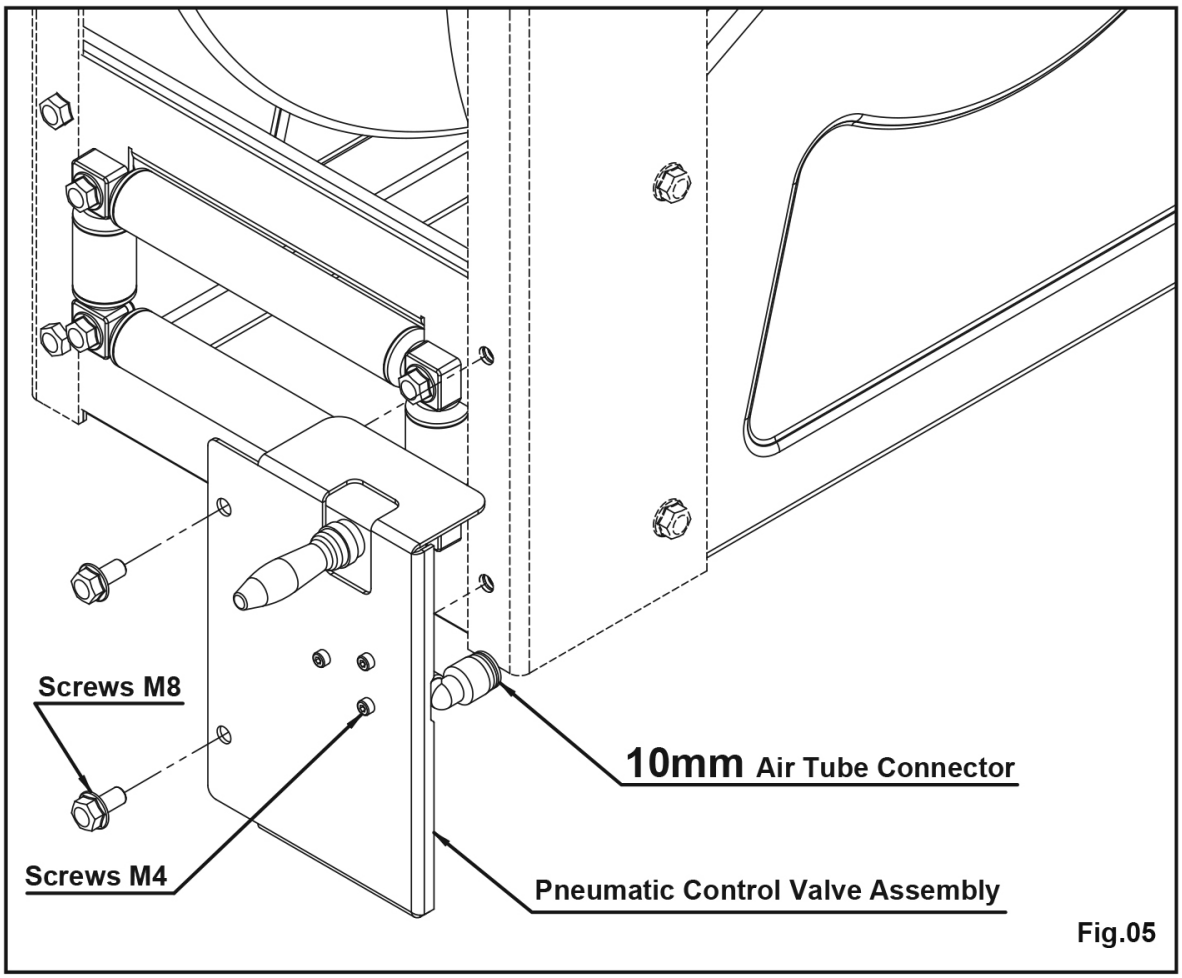


7. For the ADDA series, our clamps can be used to adjust the bending radius of large-diameter hose. Two mounting holes are provided around the circumference of the plate for installing the clamps. **(Fig.04)**



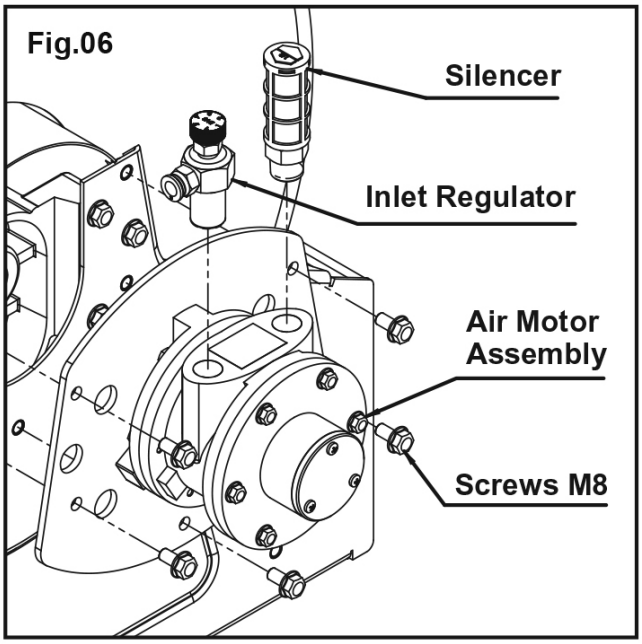
Installation of Pneumatic Control Valves

1. You can purchase our pneumatic control valve assembly & install it on the product as shown in the picture. **(Fig.05)**

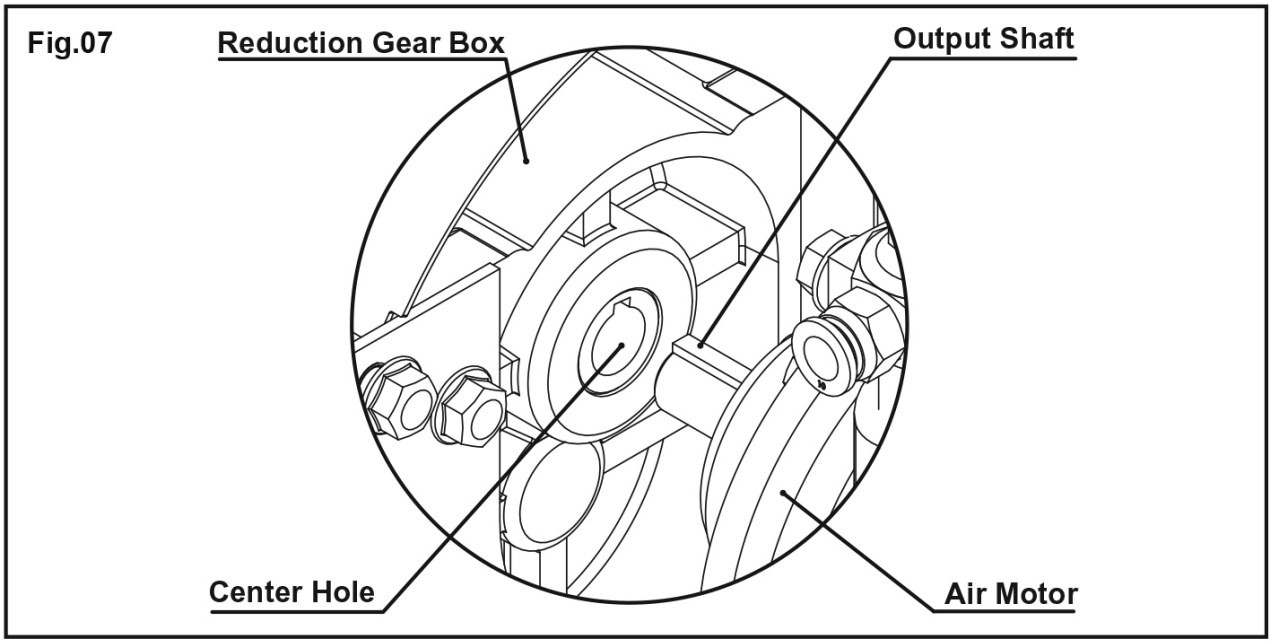


Installation of Air Motor

1. For air motors purchased separately from us, mount them as follows. **(Fig.06)**



2. Insert the motor output shaft into the center hole of the reduction gear box & tighten the screws to complete the installation. **(Fig.07)**



PREPARATION

Safety Precautions

1. Make sure incoming line pressure does not exceed rated operating pressure for your model hose reel.
2. Use proper eye protection when assembling & using the hose reel.
3. Assemble the hose reel on a clean workbench.
4. Use soap & water when checking for leaks.
5. Keep children away from the work area.
6. To perform the installation, accessory check list is as following:
   An air hose: Recommended size – 10mm O.D. x 80cm, used to connect the air motor & air control valve.
   A filter/regulator/lubricator combination: Must be installed between the air line and the reel.
   An inlet hose of appropriate length.
   Fittings & adapters (if needed).
7. Flexible hose must be connected between the inlet of the hose reel & the fluid source to avoid possible misalignment and binding during operation.
8. Be sure to release the brake device before using the product.

WARNING: Exposure of skin directly to pressurized air, or fluid could result in severe bodily injury.

Pressure Relief Procedure

This equipment stays pressurized until pressure is manually relieved.
To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid & moving parts, follow the Pressure Relief Procedure when you stop spraying and before cleaning, checking, or servicing the equipment.

1. Turn off power supply to fluid pump.
2. Isolate the supply pump fluid supply line.
3. Open the dispensing valve until pressure is fully relieved.

If you suspect the dispensing valve or extension is clogged or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen coupler or hose end coupling to relieve pressure gradually, then loosen completely. Clear the obstruction.

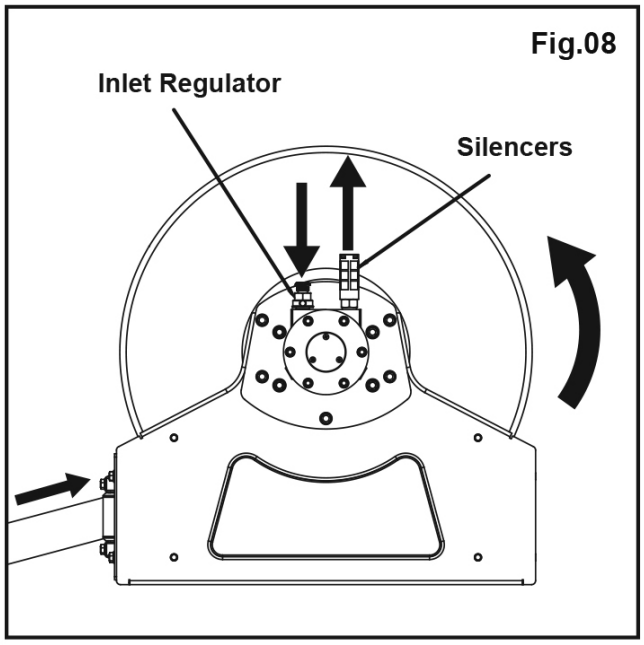
Grounding

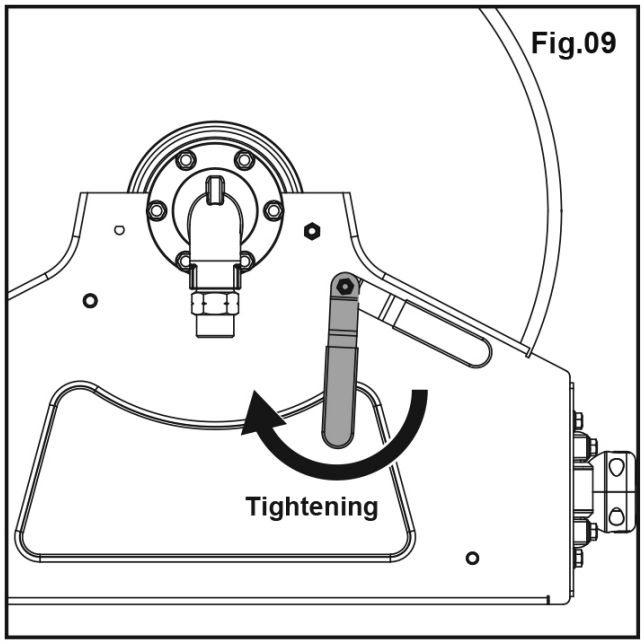
The equipment must be bonded (grounded) to the truck.
Grounding reduces the risk of static shock due to static build up on the equipment.
Refer to your pump instruction manual for grounding instructions.

OPERATION

1. When using this product, be sure to use the air line filter/regulator/lubricator before air intake to extend the service life of the product, & the stability of the product work.
2. Check reel for correct operation by slowly pulling out the hose.
3. Slowly open the motor regulator valve to the appropriate speed to complete tube recovery (close the motor regulator valve promptly after the stop block is braked).
4. Some of our standard products are shipped with inlet regulator and silencer, users can also provide the above spare parts, but please be sure to follow the installation in the following figure to ensure that the recovery direction is correct. Failure to do so may result in the motor rotating in the opposite direction and the hose being thrown outward, which may cause personal injury. **(Fig.08)**
5. This product is equipped with a brake device, clockwise trigger handle to the end, lock the disk body rotation, the hose can be fixed in any pull-out position.

   NOTE: *Be sure to release the brake device before using the product.*
6. Turn the handle counter-clockwise, release the holding brake, the drum returns to normal rotation state. **(Fig.09)**
7. Periodically check the hose condition for wear or damage, and check the swivel fitting for leakage. Replace any worn, damaged, or leaking parts.

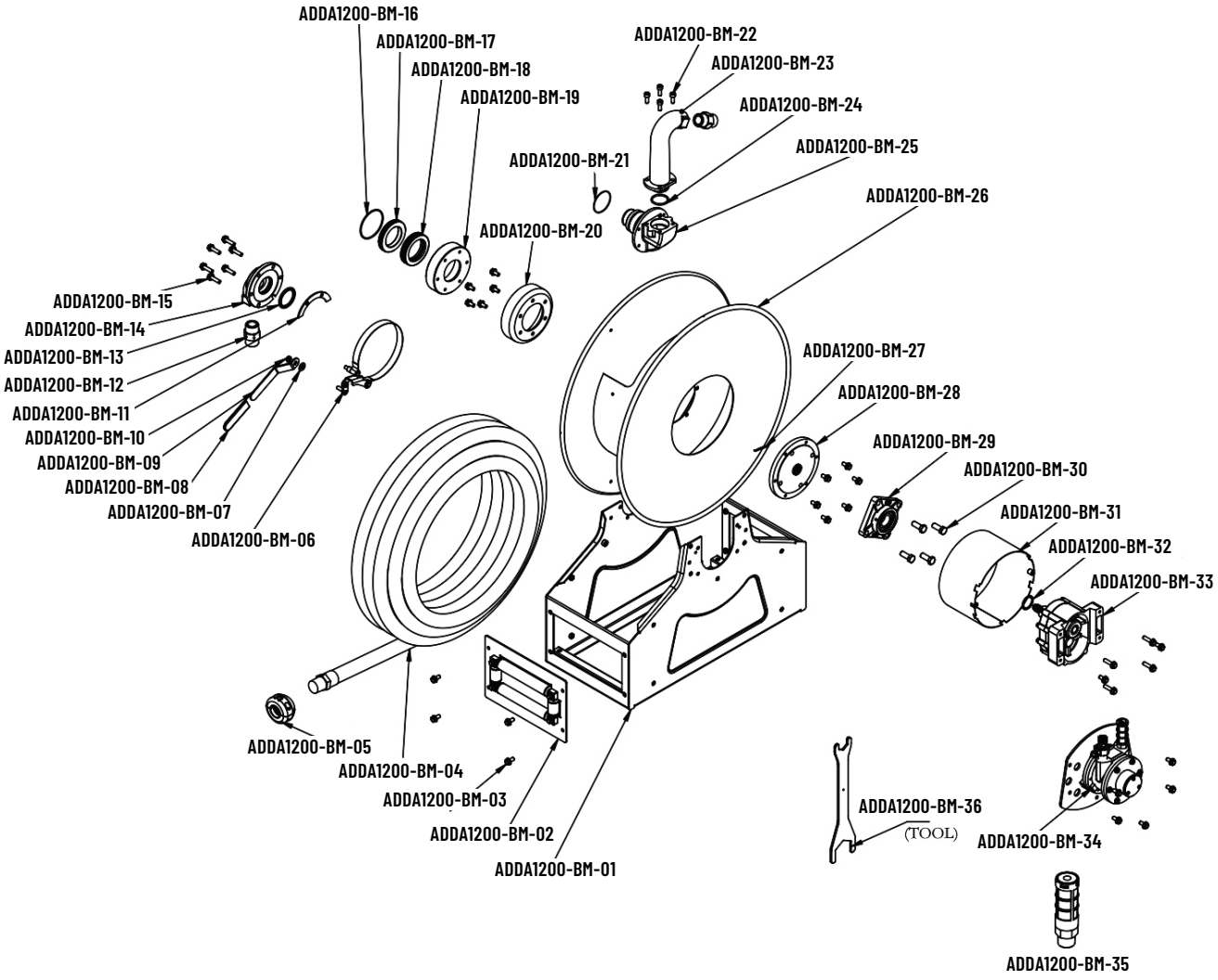




TROUBLESHOOTING

Problem	Cause	Solution
Fluid path (plumbing &/or Swivel) is leaking or damaged	a) Maximum pressure rating for reel has been exceeded b) Application is not compatible with plumbing &/or swivel seal materials	a) Replace or repair damaged components. Consult factory. Check maximum pressure rating of reel. b) Contact factory to determine chemical compatibility or environmental issues (i.e. temperature rating).
Hose will not retract at all	a) Low opening volume of regulating valve b) Low air pressure at the motor input c) The brakes are not released	a) Pressure regulator is turned up. b) Increase the pressure of the gas source, or reduce the diversion of other gas source equipment. c) Release the brake by turning the handle counter-clockwise.
Fluid leaks from swivel	a) Swivel seals are damaged or worn. b) Inlet hose is not flexible	Replace swivel seals. **Caution:** *Be sure leak is not at Hose Fitting!*

SPARE PARTS
ADDA1200-BM / ADDA1900-BM / ADDA2500-BM
Assembly Parts Breakdown

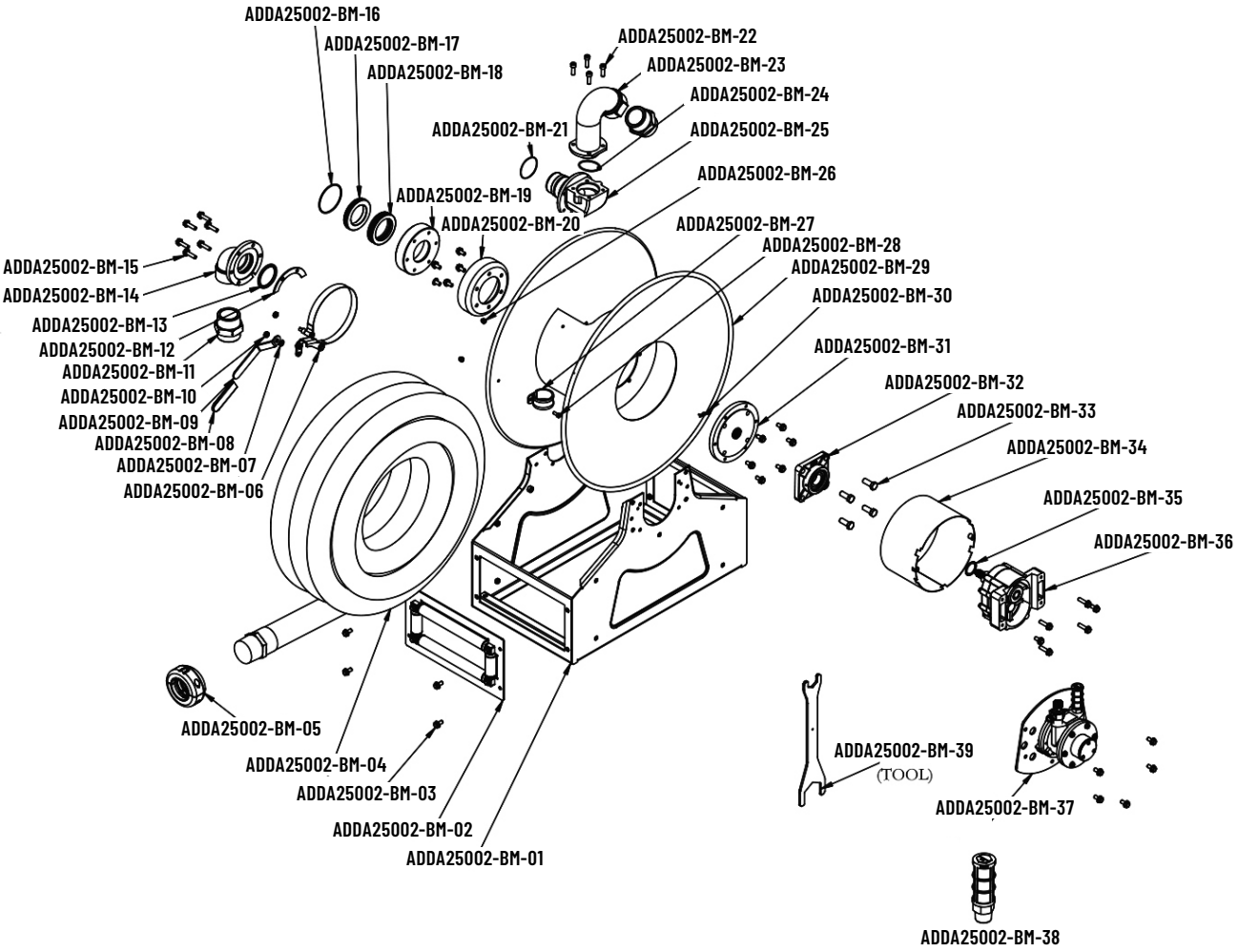


No.	Qty	Description
ADDA1200-BM-01	1	Base Assembly
ADDA1200-BM-02	1	Guide Frame Assembly
ADDA1200-BM-03	22	Screws
ADDA1200-BM-04	1	▲Hose Assembly
ADDA1200-BM-05	1	*▲Stop Block Assembly
ADDA1200-BM-06	1	Brake Assembly
ADDA1200-BM-07	1	Washer
ADDA1200-BM-08	1	Sleeve
ADDA1200-BM-09	1	Lever
ADDA1200-BM-10	2	Nuts
ADDA1200-BM-11	1	Liner
ADDA1200-BM-12	2	▲Adaptors
ADDA1200-BM-13	1	*Seal
ADDA1200-BM-14	1	Valve Body
ADDA1200-BM-15	10	Screws
ADDA1200-BM-16	1	Seal
ADDA1200-BM-17	1	Locking Sleeve
ADDA1200-BM-18	1	Bearing

No.	Qty	Description
ADDA1200-BM-19	1	Bearing Seat
ADDA1200-BM-20	1	Brake Drum
ADDA1200-BM-21	1	Seal
ADDA1200-BM-22	4	Screws
ADDA1200-BM-23	1	Elbow
ADDA1200-BM-24	1	*Seal
ADDA1200-BM-25	1	Spool Valve
ADDA1200-BM-26	1	Drum Assembly
ADDA1200-BM-27	1	R-type pin
ADDA1200-BM-28	1	Transfer Plate
ADDA1200-BM-29	1	Bearing Assembly
ADDA1200-BM-30	4	Screws
ADDA1200-BM-31	1	Cover
ADDA1200-BM-32	2	Washer
ADDA1200-BM-33	1	Reduction Gear Box
ADDA1200-BM-34	1	▲Air Motor Mounting Plate Assembly
ADDA1200-BM-35	1	*Silencer
ADDA1200-BM-36	1	Wrench

* Wearing Parts
Part #4, the hose assembly is not included in ADDA1200-BM / ADDA1900-BM / ADDA2500-BM.

SPARE PARTS
ADDA25002-BM / ADDA4000-BM / ADDA5000-BM
Assembly Parts Breakdown



No.	Qty	Description
ADDA25002-BM-01	1	Base Assembly
ADDA25002-BM-02	1	Guide Frame Assembly
ADDA25002-BM-03	22	Screws
ADDA25002-BM-04	1	▲Hose Assembly
ADDA25002-BM-05	1	*▲Stop Block Assembly
ADDA25002-BM-06	1	Brake Assembly
ADDA25002-BM-07	1	Washer
ADDA25002-BM-08	1	Sleeve
ADDA25002-BM-09	1	Lever
ADDA25002-BM-10	2	Nuts
ADDA25002-BM-11	2	▲Adaptors
ADDA25002-BM-12	1	Liner
ADDA25002-BM-13	1	*Seal
ADDA25002-BM-14	1	Valve Body
ADDA25002-BM-15	10	Screws
ADDA25002-BM-16	1	Seal
ADDA25002-BM-17	1	Locking Sleeve
ADDA25002-BM-18	1	Bearing
ADDA25002-BM-19	1	Bearing Seat
ADDA25002-BM-20	1	Brake Drum

No.	Qty	Description
ADDA25002-BM-21	1	Seal
ADDA25002-BM-22	4	Screws
ADDA25002-BM-23	1	Elbow
ADDA25002-BM-24	1	*Seal
ADDA25002-BM-25	1	Spool Valve
ADDA25002-BM-26	2	▲Nuts
ADDA25002-BM-27	2	*▲Clamps
ADDA25002-BM-28	2	▲Screws
ADDA25002-BM-29	1	Drum Assembly
ADDA25002-BM-30	1	R-type pin
ADDA25002-BM-31	1	Transfer Plate
ADDA25002-BM-32	1	Bearing Assembly
ADDA25002-BM-33	4	Screws
ADDA25002-BM-34	1	Cover
ADDA25002-BM-35	1	Washer
ADDA25002-BM-36	1	Reduction Gear Box
ADDA25002-BM-37	1	▲Air Motor Mounting Plate Assembly
ADDA25002-BM-38	1	*Silencer
ADDA25002-BM-39	1	Wrench

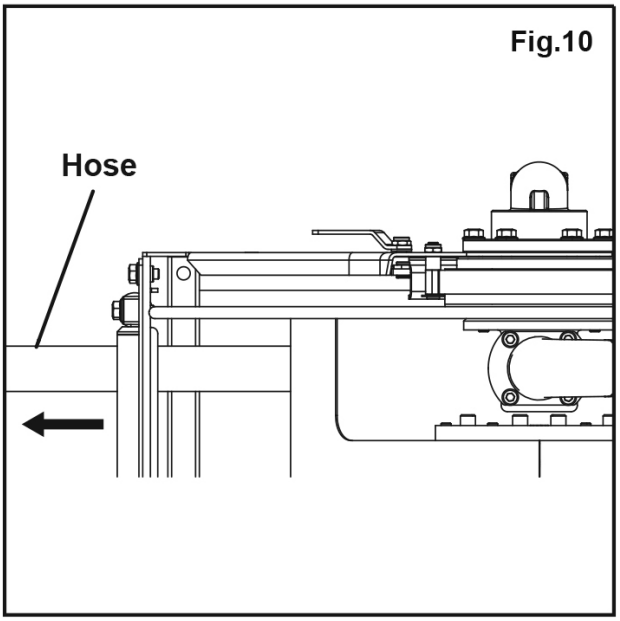
* Wearing Parts
Part #4, the hose assembly is not included in ADDA25002-BM / ADDA4000-BM / ADDA5000-BM.

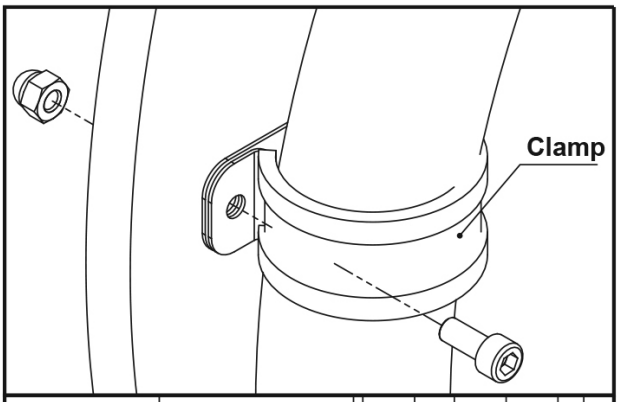
MAINTENANCE

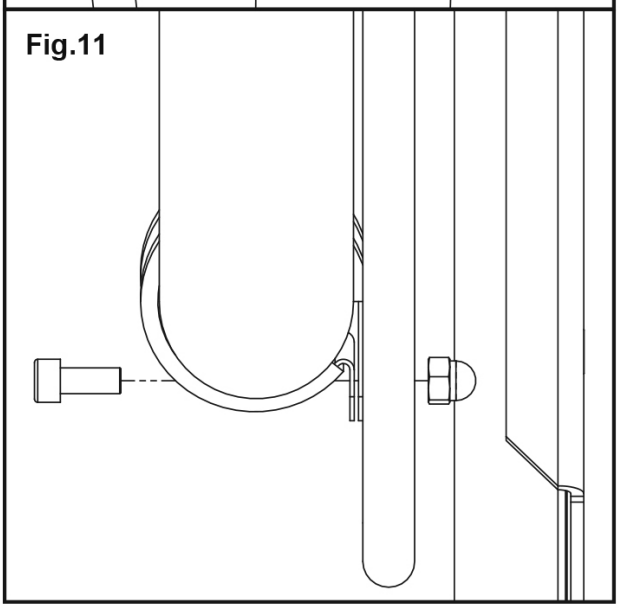
Replacement of Hose

NOTE: *This procedure applies to our standard products with hose configuration, or if you have purchased our hose assembly. For the user to purchase their own hose, may be due to the different forms of joints, disassembly will be different, only for reference*

1. Turn off the motor air supply.
2. Pull out all the damaged hoses and place them on the ground, use the brake to hold the drum in its current position. **(Fig.10)**
3. Remove the clamp first (ADDA25002-BM / ADDA4000-BM / ADDA5000-BM), if the product is equipped with a clamp. **(Fig.11)**







4. Using a tool, through the reel opening, unscrew the hose fitting from the elbow connection & remove the old hose. **(Fig.12)**
5. Thread the new hose into the guide frame & connect the hose fitting to the elbow. Wrench to tighten fittings counter-clockwise.
6. If the product requires installation of a clamp (ADDA25002-BM / ADDA4000-BM / ADDA5000-BM), select an appropriate hose length & secure it to the plate with the clamp. It is recommended to allow sufficient hose length whenever possible, pulling the hose utward to enable smooth bending. **(Fig.13)**
7. Turn the brake handle counter-clockwise to loosen the brake pads, open the air regulator, & slowly start the motor to complete the hose recovery. (After the stop block contacts the guide frame, the motor air supply should be turned off in time).

Fig.12

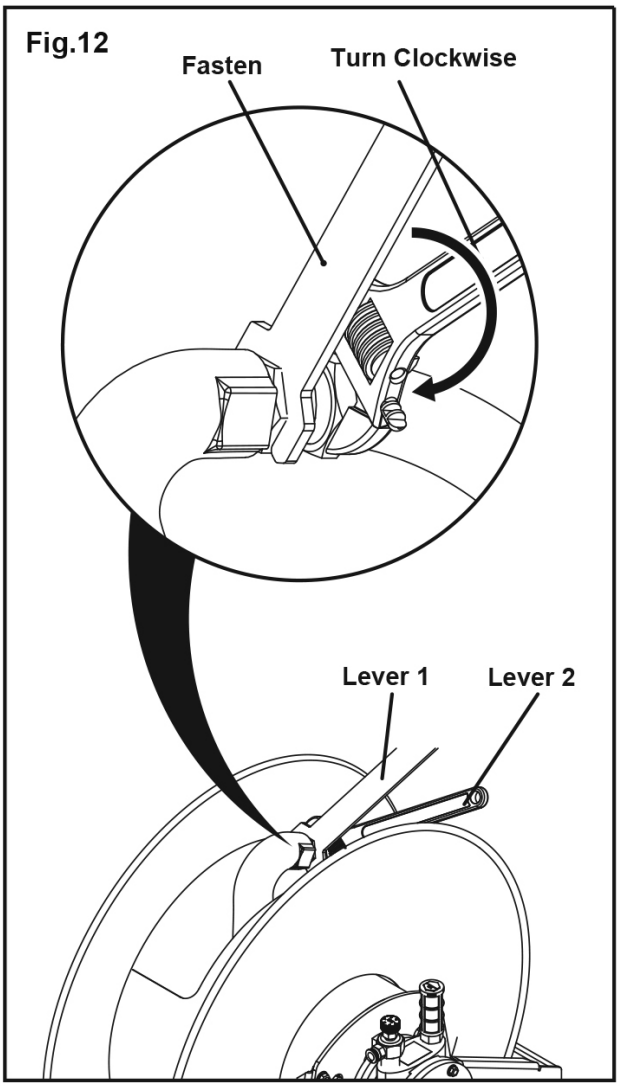
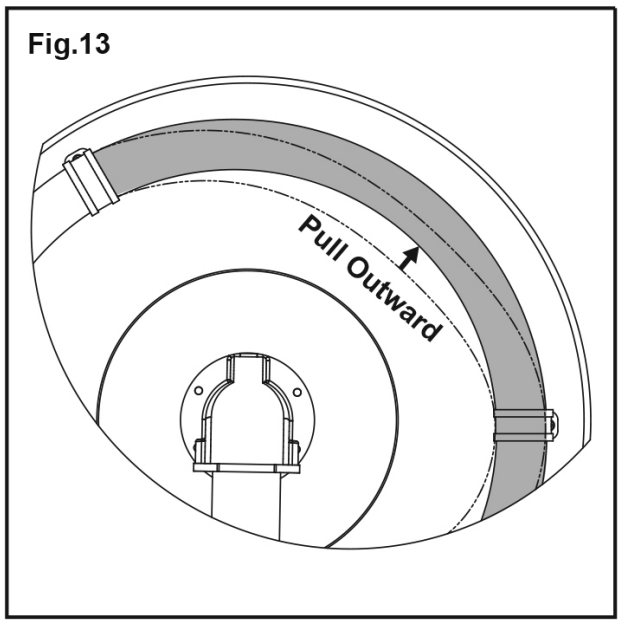


Fig.13



Seal Replacement

1. Remove the 5 screws and take out the valve body. **(Fig.14)**
2. Use a suitable tool to remove the damaged seal (proper damage to the seal can facilitate removal). **(Fig.15)**

Fig.14

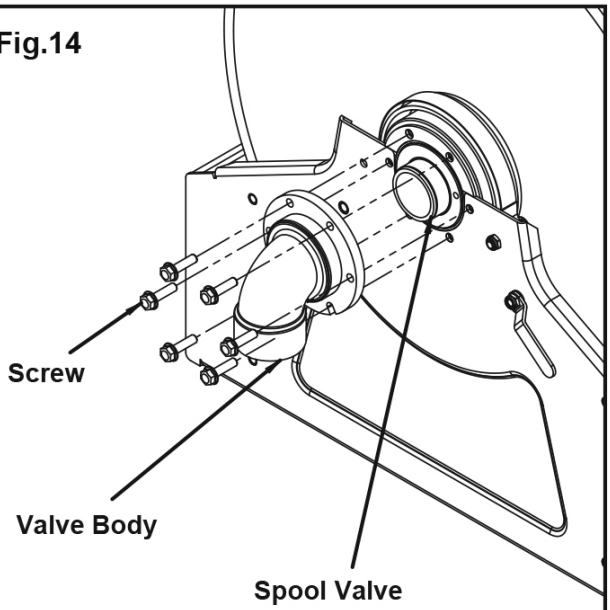
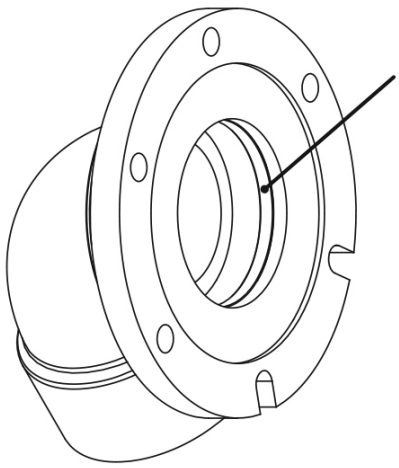


Fig.15



3. Bend the new seal into the shape of a heart and insert it into the groove of the valve body. **(Fig.16)**
4. Slowly round the deformed sealing ring with your fingers or a suitable round bar without burrs. **(Fig.17)**

Fig.16

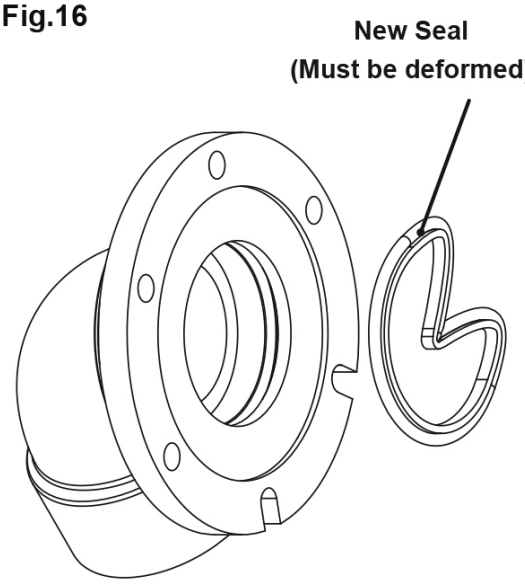
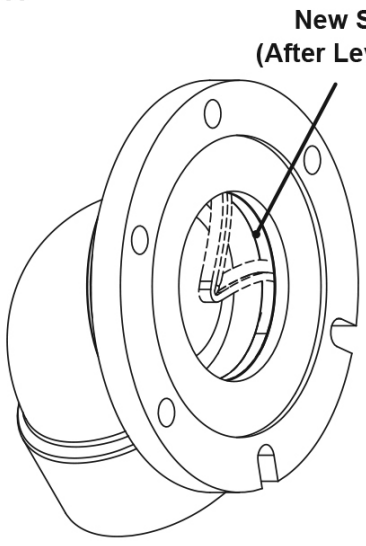


Fig.17



5. After applying grease, install the valve body into the spool & lock the bolts to complete seal replacement. **(Fig.18)**

NOTE: *Replacing the seals here can be difficult and can easily cause damage to the seals as they are deformed and flattened. It is recommended to purchase the valve body with the seal installed directly from the vendor, skipping steps 3 and 4 for easier handling!*

Fig.18

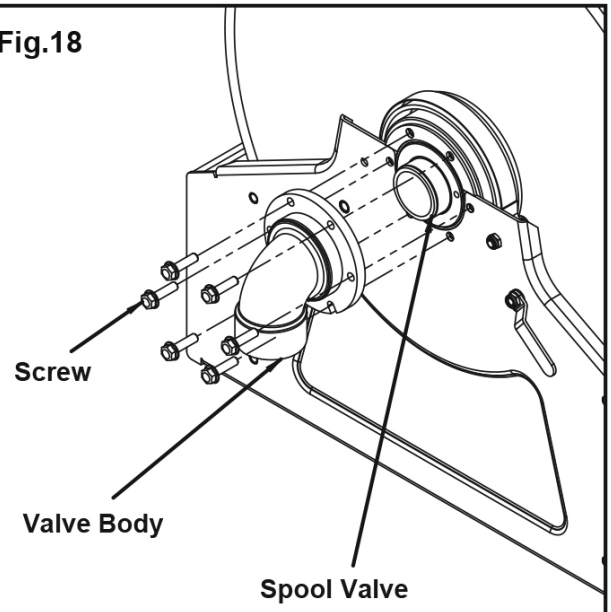
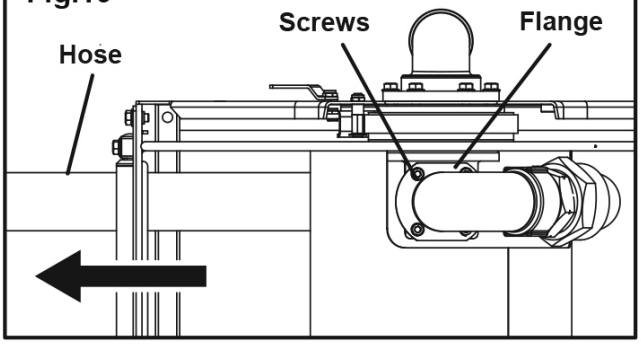


Fig.19



Elbow Seal Replacement

1. Pull the hose all the way out to expose the 4 screws on the flange face of the elbow. It is recommended that the hose be removed & taken away for ease of operation later on (refer to the hose replacement procedure). **(Fig.19)**
2. Select an Allen wrench (S6) of appropriate length & unscrew the 4 screws counterclockwise to remove the damaged seals. **(Fig.20)**
3. Replace the seal with a new one that snaps into the groove of the elbow & grease it. **(Fig.21)**

Fig.20

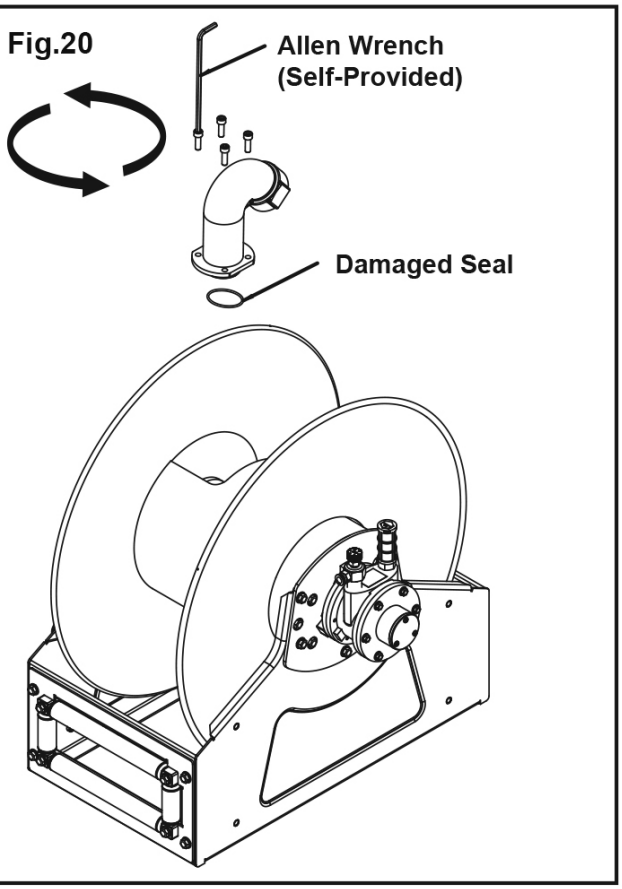
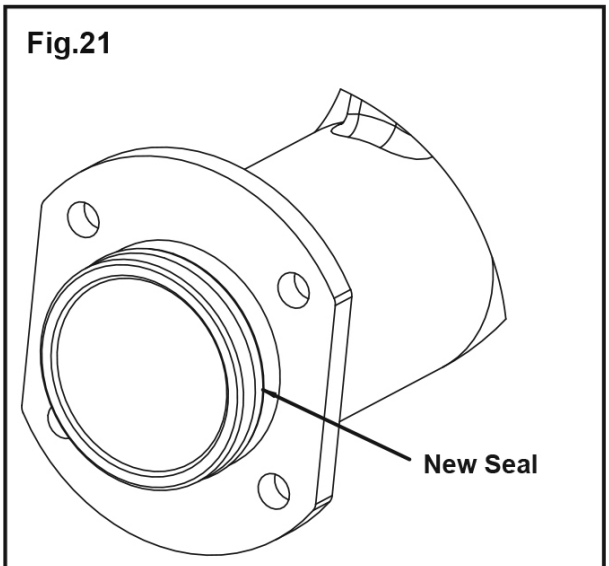
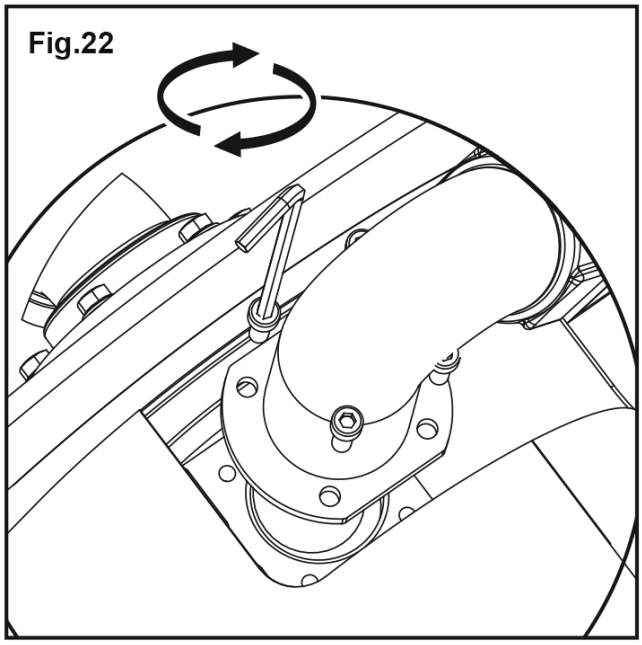


Fig.21



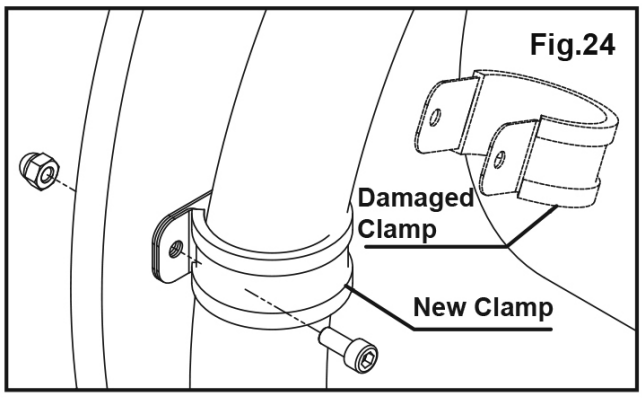
4. Align the flange with the mounting holes of the spool, tighten the 4 screws clockwise to complete the replacement, & then install the hose (refer to the hose replacement procedure). **(Fig.22)**



Clamp Replacement

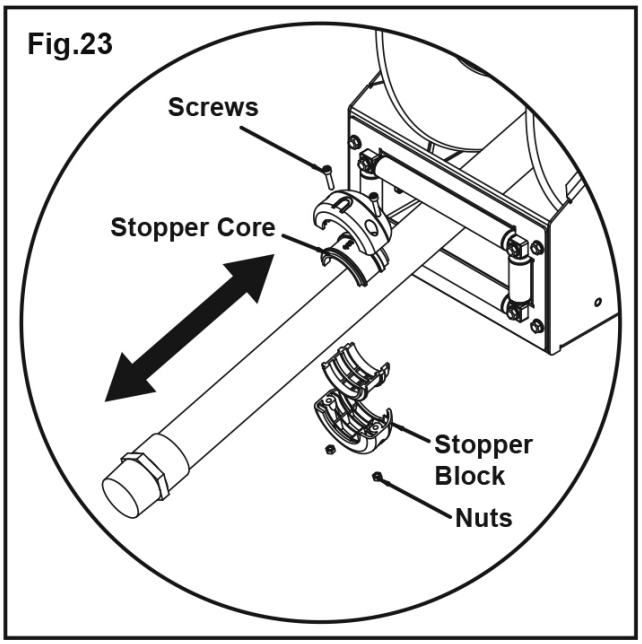
(For **ADDA25002-BM / ADDA4000-BM / ADDA5000-BM** Only)

1. Pull the hose completely out to expose the clamp. Use an S5 hex wrench to remove the bolts & nuts.
2. Replace with new clamps. Select an appropriate hose length, thread it through the clamp holes, then compress. It is recommended to leave as much hose length as possible.
   Pull the hose outward to ensure smooth bending.
   Finally, tighten the bolts & nuts to complete the replacement. **(Fig.24)**



Stop Block Assembly Replacement

1. For products equipped with our stop block assembly, you can adjust the length of the hose or replace the stop block assembly according to the diagram below. **(Fig.23)**
2. Be sure to turn off the air supply to the motor before replacing it to prevent accidental startup & personal injury.



STORAGE & TRANSPORTATION

1. During transportation, avoid direct sunlight exposure, prevent rain, & avoid drops. Do not allow contact with corrosive substances or mixed storage with them.
2. Storage temperature range: -10°C to +40°C.
3. Storage period is 6 months.
4. Ensure the storage area is well-ventilated & avoid direct sunlight exposure.
5. Prevent rain exposure, avoid contact with corrosive substances or mixed storage, & maintain a distance of at least 1 meter from heat sources.

OWNER'S MANUAL

Direct Drive Hose Reels

ADDA1200-BM
ADDA1900-BM
ADDA2500-BM
ADDA25002-BM
ADDA4000-BM
ADDA5000-BM

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For Warranty Policies & Terms and Conditions refer to our website:
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