OWNERS MANUAL
RETAIN THIS MANUAL FOR FUTURE REFERENCE TO IMPORTANT WARNINGS AND OPERATING AND MAINTENANCE INSTRUCTIONS.

PROPER USE AND MAINTENANCE OF THIS EQUIPMENT IS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR.

DO NOT USE THIS EQUIPMENT UNLESS YOU HAVE CAREFULLY READ AND UNDERSTAND THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL.

! WARNING !
NEVER exceed the stated maximum working pressure of the pump or of the lowest rated component in your system.
NEVER modify any part of this equipment.
NEVER use combustible gas with this equipment.
NEVER attempt repairs while the system is under pressure.
NEVER attempt to disassemble the equipment while the system is under pressure.
ALWAYS tighten fluid connections before using this equipment.
ALWAYS read/follow the fluid manufacturer’s recommendations regarding fluid compatibility.
ALWAYS read/follow the fluid manufacturer’s recommendations regarding the use of protective clothing and equipment.
REGULARLY check all equipment and repair/replace worn or damaged parts immediately.

FAILURE TO HEED THESE WARNINGS INCLUDING OVERPRESSURIZING, ALTERING PARTS, USE OF INCOMPATIBLE FLUIDS, MISUSE, OR USE OF DAMAGED/WORN PARTS MAY RESULT IN EQUIPMENT DAMAGE, PROPERTY DAMAGE, FIRE, EXPLOSION AND/OR SERIOUS PERSONAL INJURY.

SAFETY INSTRUCTIONS
Extreme caution should be used when operating this equipment as it generates very high fluid pressure. Leaks from loose or ruptured components or material from dispensing valve can inject fluid through the skin causing serious bodily injury and possible need for amputation. Always wear protection to prevent material splashing onto skin or into eyes.

IMPORTANT: GET EMERGENCY MEDICAL CARE IMMEDIATELY IF ANY FLUID APPEARS TO PENETRATE THE SKIN! INFORM PHYSICIAN OF EXACTLY WHAT WAS INJECTED. PLEASE DO NOT TREAT THIS INJURY AS A SIMPLE CUT.


**WARNING ! – RELIEF PROCEDURE**

**DO NOT EVER** point the dispensing valve at another person.

**DO NOT EVER** attempt to stop material from the dispensing valve or a leaking connection with your hand or body.

**BEFORE EACH USE**, check equipment for proper operation and to insure safety devices are in place and working properly.

**NEVER** modify this equipment. Modification could cause equipment malfunction and resulting serious bodily injury.

When flushing the pump with solvents, **ALWAYS** hold a metal part of the dispensing valve firmly to the side of a grounded metal pail and operate pump at the lowest possible fluid pressure to reduce the risk of injury from splashing or static sparking.

**WARNING: For Air Operated Equipment:** This pump can develop 7500 PSI working pressure at 125 PSI maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. NEVER exceed the maximum working pressure of the lowest rated component in the system. **IMPORTANT:** “Whip” hoses for dispensing valve are fluid pressure rated at 4500 PSI. NEVER exceed 90 PSI, air pressure to pump when using “whip” hoses.

**WARNING: For Air Operated Equipment:** Water and even moist air can cause this pump to corrode. To aid in the prevention of this corrosion, NEVER leave the pump filled with water or air. After normal flushing, flush the pump once more with mineral spirits or an oil based solvent, relieve pressure and leave the mineral spirits in the pump. It is strongly suggested to put 2-4 fl oz of Lubricating Oil in the Air Motor Inlet every week for Proper Lubrication. Never use a Synthetic Oil as this will cause irreparable damage to the pump. BE SURE TO CORRECTLY FOLLOW THE PRESSURE RELIEF PROCEDURE.

**PRESSURE RELIEF PROCEDURE**

**ALWAYS FOLLOW THIS PROCEDURE** to reduce the risk of serious bodily injury, including splashing into the eyes. After shutting off the pump; checking/servicing any part of the system; installing/cleaning or changing any part of the system, **ALWAYS** follow this procedure:

1. Disconnect the air supply to the pump. (IF APPLICABLE).
2. Aim the dispensing valve away from yourself and others.
3. Aim the dispensing valve into an appropriate container and open until all pressure is relieved.

If you believe that the dispensing valve or hose is completely clogged or that pressure in the pump has not been fully relieved after following the above procedure, **VERY SLOWLY** loosen the hose end coupling to relieve the pressure gradually and then loosen completely. Then proceed to clear the valve or hose.

**WARNING: ALWAYS** follow the Pressure Relief Procedure after shutting off the pump.

**WARNING: ALWAYS** follow the Pressure Relief Procedure when checking/servicing any part of the system and when installing, cleaning or changing any part of the system.

**INSPECTION INSTRUCTIONS**

If you believe that you have overpressurized the equipment, or if your equipment requires adjustments or repair, contact ATD’s service center at 1-800-328-2897 for inspection of the pump.

**LUBRICATION:** It is recommended to lubricate the Air Motor once a week with 2-4 fl oz of Common Lubricating Motor Oil injected into the Airllet port of the Air Motor. This will ensure maximum life of the Air Motor. Never use a Synthetic Oil to Lubricate the Air Motor as this will swell the Buna-N rubber packings and cause irreparable damage.

**INSTALLATION**

For Air Operated Equipment: It is recommended that you use an **air line filter/regulator/ lubricator** to remove harmful dirt and moisture from the compressed air supply and to provide automatic lubrication to the air motor. Blow-dry the lines and hoses with air before connecting them to the system.

**ATD WARRANTY & SERVICE CENTER MAY BE CONTACTED AT 1-800-328-2897.**
LIST OF PARTS FOR THE ATD-8197 GREASE REEL ASSEMBLY

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATD-5361</td>
<td>Optional High Pressure Connecting Hose</td>
<td>ATD-5253</td>
<td>Optional Z Swivel Attachment.</td>
</tr>
<tr>
<td>ATD-8198</td>
<td>Basic Heavy Duty Reel Assembly</td>
<td>ATD-5365</td>
<td>High Pressure Grease Delivery Hose 40ft x ¼”</td>
</tr>
<tr>
<td>ATD85516ME</td>
<td>Ball Stop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATD-5218</td>
<td>High Pressure Control Valve</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
REEL / HOSE TRACK POSITIONS

Dimensions:
- 11.00
- 9.88
RELIEVE ALL POWER SPRING TENSION BEFORE REMOVING SPRING HOUSING COVER BY RELEASING LATCH AND MANUALLY RESTRRAINING UNWIND SPEED OF REEL. SHEAVE ASSEMBLIES SHOULD BE SEPARATED WHEN IN A HORIZONTAL POSITION WITH 45865 DOWN ON A FLAT SURFACE.

NOTE: The power spring is restrained by a steel retainer band. For added safety, the power spring should be wired securely to the retainer band in at least three places before removal from the spring housing.

<table>
<thead>
<tr>
<th>HOSE CLAMP</th>
<th>HOSE TYPE</th>
</tr>
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<tbody>
<tr>
<td>45816</td>
<td>73</td>
</tr>
<tr>
<td>45817</td>
<td>73A &amp; 75</td>
</tr>
<tr>
<td>45818</td>
<td>78</td>
</tr>
</tbody>
</table>

The pipe compound on threads before installing swivel to hose reel.

SECTIONS YY, ZZ, A-A
MODEL ATD8198
BARE REEL

CAUTION
RELIEVE ALL POWER SPRING
TENSION BEFORE DISASSEMBLING
SPRING HOUSING CASE

Hose clamp location "A"

Hose guide in 91441 Spring Housing Assembly and the Latch of the 91735 Sheave Assembly must be assembled as shown.

Hose clamp location "B"

Hose clamp location "C"

Power Spring

Power Spring (Ref.)

SPRING POSITION

NOTE

10161 (Ref.)
ADAPTERS FOR DELIVERY AND CONNECTING HOSES ARE NOT FURNISHED WITH THE BARE REEL; THOSE PARTS MUST BE ORDERED SEPARATELY

11197
1/2" NPT x 1/2" NPT

12957
1/2" NPT x 1/2" - 27

12080
1/2" NPT x 1/4" NPT(F)

67069
1/2" NPT x 3/8" NPT(F)

13001
1/2" NPT x 3/4" NPT(F)

1/2" NPT

1/2" - 27 Th'd.

1/4" NPT

3/8" NPT

3/4" NPT

TYPE 76A or 76B HOSE

TYPE 75 HOSE

TYPE 73, 74 or 78 HOSE

TYPE 72 HOSE

TYPE 72A HOSE

TYPE 74A HOSE
Warning: Use Extreme Caution when working on the Reel Spring. Consider the spring very dangerous.

Caution Note: Relieve all power spring tension before removing spring house cover by releasing latch and manually restraining unwind speed of reel. Sheave assemblies should be separated when in a horizontal position with 45965 down on a flat surface.

Caution Note: The power spring is restrained by a steel retainer band. For added safety the power spring should be wire securely to the retainer band in at least three (3) places before removal from the spring housing.

Note: Use Pipe Compound on Threads before installing swivel on Hose Reel.
<table>
<thead>
<tr>
<th>PART</th>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>PART</th>
<th>QTY</th>
<th>DESCRIPTION</th>
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<tr>
<td>5042</td>
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<td>LUBE FITTING</td>
<td>48385</td>
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<td>SHIM WASHER</td>
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<tr>
<td>12269</td>
<td>2</td>
<td>KEEPER</td>
<td>48450</td>
<td>1</td>
<td>WASHER</td>
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<tr>
<td>12270</td>
<td>1</td>
<td>SWIVEL BODY</td>
<td>50048</td>
<td>3</td>
<td>SCREW</td>
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<tr>
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<td>1</td>
<td>ADAPTER</td>
<td>50079</td>
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<td>SCREW</td>
</tr>
<tr>
<td>12591</td>
<td>1</td>
<td>RETAINER</td>
<td>50757</td>
<td>4</td>
<td>BOLT</td>
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<tr>
<td>13160</td>
<td>1</td>
<td>ADAPTER(12271ME)</td>
<td>51022</td>
<td>3</td>
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<tr>
<td>13161</td>
<td>3</td>
<td>STUD</td>
<td>51040</td>
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<td>13162</td>
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<td>SPRING PIN</td>
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<td>SHAFT</td>
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<td>LOCK WASHER</td>
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<td>13272</td>
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<td>ROLLER</td>
<td>66723</td>
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<td>66781</td>
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<td>BEARING</td>
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<td>COTTER PIN</td>
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<td>34168</td>
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<td>PACKING</td>
<td>82181</td>
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<td>SWIVEL ASSEMBLY</td>
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<tr>
<td>34368</td>
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<td>O-RING</td>
<td>82860</td>
<td>1</td>
<td>ROLLER OUTLET ASSEMBLY</td>
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<td>34419</td>
<td>1</td>
<td>PACKING (RUBBER)THICK</td>
<td>91212</td>
<td>1</td>
<td>SWIVEL STUD</td>
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<tr>
<td>38137</td>
<td>1</td>
<td>PACKING (LEATHER) REPLACED BY 34419ME THICK</td>
<td>91441</td>
<td>1</td>
<td>SPRING HOUSING</td>
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<tr>
<td>45965</td>
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<td>SHEAVE HALF</td>
<td>91573</td>
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<td>ARBOR</td>
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<tr>
<td>48039</td>
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<td>WASHER</td>
<td>92558</td>
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<td>TUBE &amp; ADAPTER</td>
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<td>48217</td>
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<td>PAWL</td>
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<td>48237</td>
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<td>SUPPORT ASSEMBLY</td>
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<td>48263</td>
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<td>WASHER</td>
<td>360209</td>
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<td>ROLLER SUPPORT ARM</td>
</tr>
</tbody>
</table>

Repair Kit for Soft Parts: 83050ME; consisting of: 48337ME(Metal Washer), 34419ME(1)(Rubber Packing) or(34419ME-THIN 2PCS RUBBER PACKING); 48263ME(Thin Metal Washer); 66882ME Wave Spring Washer; Note: Item 38137ME (Leather Washer) has been replaced by 34419ME (Rubber Washer)
REF: Threading Hose onto Reels: Please note pictorial below:

ATD-8198; REEL MOUNTING SUGGESTIONS
ATD8197

DESCRIPTION: Heavy Duty High Pressure Grease Reel Assembly

Grease Reel Assembly (Heavy Duty Reel ATD8198(specs stated below)); Includes
40ft(12.2mtrs) x 1/4" Grease Delivery Hose; Swivel on the Reel; Ball Stop; and Grease
Control Valve ATD5218; Hose Connections: 1/2"NPT(f)

Heavy Duty Basic Reel: Includes Swivel on the Reel; No Delivery Hose; No Connecting
Hose; No Control Valve; Hose Connections: 1/2"NPT(f); Additional Information and
Specifications: Heavy Duty Reel for Grease, Oil, Antifreeze, Water, Air with steel rollers and
Heavy Steel Mounting Base.

Specifications:
Type: High Pressure: 7500 PSI
Inlet / Outlet: 1/2"(1.27CM)
Sheath Width Outside to Outside: 6-1/2" (approx)16.5CM)
Sheath Width Indside to Inside: 6.0" (approx)(15.2CM)
Sheath Depth: 4.0"(10.2CM)
Diameter of Sheath: 20"(50.8CM)
Base: 12-3/4"(32.4CM) x 6"(15.2CM)
Base Thickness: 1/4" Plate Steel with 4 3/8"(11.1CM) DIA mounting holes for easy mounting
of the base to any support column, rafter or floor
Length of Arm: 15"(38.1CM)
Solid Metal Rollers with a diameter of: 2-1/8"(5.4CM) x 2-1/8"(5.4CM)
Applications: Grease, Oil, ATF, Antifreeze, Water, Air
Carries Hose: SAE 100R2 75 50 FT(15.2mtrs)
SAE 100R2 76A 50 FT(15.2mtrs)
SAE 100R2 76B 50 FT(15.2mtrs)
SAE100R3 73 50 FT(15.2mtrs)
SAE100R1 78 50 FT(15.2mtrs)
SAE 100R3 74A 40 FT(12.2mtrs)
SAE100R6 72 50 FT(15.2mtrs)

BOX Weight: 80LBS(36.3KG)
BOX Dimensions: 24" x 24" x 16" (61cm x 61cm x 40.6cm)
Application: Installed Lube in Garage, Maintenance Facility, Quick Lube, Industrial, Factory,
Manufacturing