

Operating Instructions and Parts Manual - 4BY69, 4BY70, 4BY71, 4BY72, 4BY73, 4BY74, 4BY75, 4BY76, 4BY77, 4BY78, 4BY79, 4BY80, 4BY81, 4BY82, 4BY83, 4BY84

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



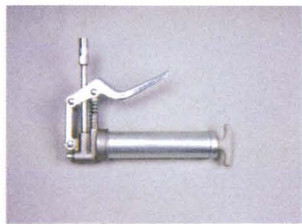
Lever, Pistol, Air Powered Grease Guns, & Hose Whips

Grease Guns

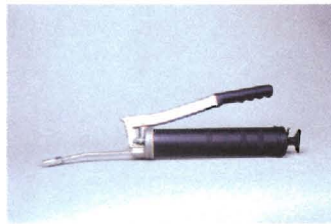
Designed for general lubrication of equipment, and machines that are equipped with grease fittings. Grease can also be applied to bearing surfaces which require lubrication.

Unpacking

Remove grease gun from packaging material and attach steel extension tube or flexible hose, depending on model.



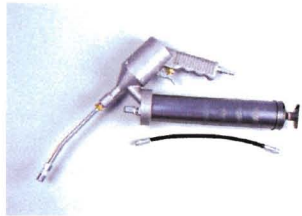
Mini Pistol



3 Way Fill



2 Way Fill



Air



Pistol Style



Whip Hose

Specifications

Model	Style	Pressure Rating	Extension Style	Grease Filling Options			
				Bulk Fill	141/2 oz Cartridge	Transfer	Whip Hose
4BY69	Lever	6,000 PSI	18" Hose	X	X		
4BY70	Lever	6,000 PSI	6" Steel Tube	X	X		
4BY71	Lever	10,000 PSI	6" Steel Tube	X	X	X	
4BY72	Lever	10,000 PSI	18" Whip Hose	X	X	X	
4BY73	Lever	10,000 PSI	6" Steel Tube	X	X	X	
4BY74	Lever	5,000 PSI	4" Steel Tube	X	X		
4BY75	Pistol	5,000 PSI	12" Whip Hose	X	X		X
4BY76	Pistol Air Powered	4,800 PSI	6" Steel Tube & 12" Whip Hose	X	X		X





Specifications

Model	Style	Pressure Rating	Extension Style	Grease Filling Options			Whip Hose
				Bulk Fill	14 1/2 oz Cartridge	Transfer	
4BY81	Pistol	5,000 PSI	18" Whip Hose	X	X		
4BY82	Mini Pistol	3,500 PSI	4" Steel Tube	X	X	5 oz cartridge	
4BY77	Whip Hose	3,500 PSI					12"
4BY78	Whip Hose	3,500 PSI					18"
4BY79	Whip Hose	3,500 PSI					12" w/spring
4BY80	Whip Hose	3,500 PSI					18" w/spring
4BY83	Whip Hose	3,500 PSI					24"
4BY84	Whip Hose	3,500 PSI					12" w/coupler

General Safety Information

Always wear safety glasses when using grease guns. Keep work area clean and remove any excess grease from tools, hands, and clothing after use. Do not use grease gun whip hoses for other applications or at pressure levels above rated pressures as noted in this instruction information and printed on the hose.

▲ CAUTION *Excess grease, if left on floors, tools, and equipment, can create surfaces that become slippery.*

Assembly

1. Thread extension tube into grease gun head using adjustable wrench or pliers.
2. For models with a flexible hose, use an adjustable wrench or pliers to tighten hose end into grease gun head.
3. Air operated models include quick coupling adaptor which can be installed using an adjustable wrench.

Operation

2 way fill, lever/pistol and air powered grease guns can be used with either 14 1/2 oz grease cartridges, or can be bulk filled directly from a bulk grease container.

3 way fill lever/pistol/air style grease guns can be used with either 14 1/2 oz cartridges, can be bulk filled directly from a bulk grease container, or can be filled using grease transfer pump.

Mini pistol grease guns utilize 5 oz cartridges

LOADING GREASE CARTRIDGES: 14 1/2 & 5 OZ

1. Unscrew the grease gun head from the barrel
2. Visually check the rubber plunger before loading the grease cartridge. The tapered side of the rubber plunger should be facing the grease gun head that the barrel threads into.
3. Hold the barrel and pull the plunger rod handle back to its extreme rear position. The plunger rod automatically locks in place.
4. Remove the plastic cap from the grease gun cartridge and insert the cartridge into the barrel until the rim of the pull-tab on the sealed end of the cartridge contacts the rim of the barrel. Remove the pull-tab seal from the cartridge.
5. Screw the barrel into the grease gun head.
6. Unlock the plunger rod handle from the end cap by, pulling slightly back on the plunger rod and simultaneously depressing the lock lever on the end cap. This allows the plunger to be pushed forward into the barrel.
7. To prime the grease gun: Slightly loosen the barrel from the grease gun head. Hold the grease gun on a workbench with the plunger handle pointing downward toward the work bench surface. Apply downward pressure on the barrel which will push the plunger rod into the barrel force any air out of grease gun pump assembly.
8. Pump the lever handle several times, until grease flows from the coupler.





9. Hand tighten the barrel into the grease gun head.
10. Attach coupler to grease fitting and operate lever handle to apply grease fitting.
11. Air operated models require connection to compressed air line, 40 – 120 PSI.

FILLING BULK GREASE CONTAINER

Your grease gun can be filled from a bulk grease container (without cartridge use) by following steps 1-9 listed below.

1. Unscrew barrel from grease gun head. Remove used grease gun cartridge if gun has been used with a cartridge.
2. Visually check rubber plunger to determine if it is set for suction, bulk loading of the grease gun. For suction bulk loading operation, the rubber plunger should be installed with the hollow side of the rubber plunger facing toward the grease gun head. If the rubber plunger is not facing with the hollow end toward the grease gun head it must be reversed, (see instructions in following section of this manual).
3. Insert the open end of the barrel 2" deep into the bulk grease container.
4. Slowly pull back on plunger rod while keeping the end of the barrel submerged in the grease container until the plunger rod is fully extended. Screw the barrel onto the grease gun head.
5. Pull back slightly on the plunger rod, simultaneously depressing the locking lever, push the plunger rod all the way forward into the barrel.
6. Prime the grease gun; slightly loosen the grease gun barrel from the grease gun head and apply pressure to the plunger rod handle by standing the grease gun on a work bench and pushing down on the barrel. Pushing the rod into the barrel forces air pockets out of the pump assembly.
7. Pump the lever handle several times until grease flows from the coupler.
8. Hand tighten the grease gun barrel into the grease gun head.
9. Attach coupler to grease fitting and operate lever handle to apply grease into the fitting.

USING A TRANSFER PUMP (3-way fill models)

1. Unscrew the grease gun head from the barrel.
2. Visually check rubber plunger to determine if it is set for suction, bulk loading of the grease gun. For

suction bulk loading operation, the rubber plunger should be installed with the hollow side of the rubber plunger facing toward the grease gun head. If the rubber plunger is not facing with the hollow end toward the grease gun head it must be reversed, (see instructions in following section of this manual).

3. Pull back the plunger rod handle to the extreme outward position. Lock in mechanism locks rod in place. Screw barrel and gun head together.
4. Wipe the loader fitting on the grease gun head clean.
5. Insert the loader fitting on the grease gun head onto the female loader adaptor of a grease gun filler pump (not included with models covered in this instruction manual).
6. Operate the pump on the Grease Filler Pump (not included with models in this instruction manual). The number of strokes to fill the grease gun will depend on its size and the type of Grease Gun Filler pump that is being used.
7. Once the grease gun is filled, disconnect the loader fitting, and unlock the plunger rod on the grease gun and push the rod all the way forward into the grease gun barrel.
8. To prime the grease gun: Slightly loosen the barrel from the grease gun head. Hold the grease gun on a workbench with the plunger handle pointing downward toward the work bench surface. Apply downward pressure on the barrel which will push the plunger rod into the barrel force any air out of grease gun pump assembly.
9. Pump the lever handle several times until grease flows from the coupler.

Changing the Rubber Plunger (cartridge & bulk loading)

1. Rubber plunger is set up for cartridge loading at the factory. The rubber plunger that feeds grease into the pump is attached to the plunger rod, for cartridge loading the taper on the rubber plunger faces toward the grease gun head.
2. Should you wish to bulk load your grease gun from a bulk grease container, it is necessary to reverse the rubber plunger. Follow these steps to reverse plunger for bulk loading:
 - a. Unscrew the grease gun barrel from the grease gun head.
 - b. Hold the grease gun barrel vertically in a bench vise with the rubber plunger end facing upward.





c. Remove the retaining nut on the rubber plunger. Note: the rubber plunger is under spring pressure, as the retaining nut is loosened, apply downward pressure on the rubber plunger to counteract the spring pressure.

d. Carefully remove the retaining nut and allow the spring pressure to push the rubber plunger out of the grease gun barrel.

e. Carefully remove the rubber plunger and the backing washer that it sits on.

f. Turn the rubber plunger over, (cupped side facing toward the direction of the grease gun head), replace the backing washer on the plunger rod, slide the

rubber plunger on to the plunger rod (compressing the plunger spring). Install and tighten the retaining nut.

g. The grease gun barrel is now ready for bulk loading, instructions for bulk loading are shown in "Filling Bulk Container" section, shown above.

h. To change plunger to cartridge use, reverse the steps listed above.

Maintenance

Grease guns and hoses should be kept clean & checked for correct operation on a regular basis.

Troubleshooting Chart

Symptom (s)	Possible Causes(s)	Corrective Action(s)
Little or no grease is pumped from coupler	1. Air pockets trapped in grease	1. Prime grease gun as noted in instructions.
Rubber plunger stuck in cartridge	1. Cartridge lining is damaged	1. Replace cartridge

Warranty

LIMITED ONE-YEAR WARRANTY

Should this product fail to perform satisfactorily due to a defect or poor workmanship within ONE YEAR from the date of purchase, return it to the place of purchase and it will be replaced, free of charge. Incidental or consequential damages are excluded from this warranty.

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