

LIQUIDYNAMICS

Lever Action Grease Gun

For Use With Oils And Flowable Grease

Models 500141F and 500141R

Owners Manual



Introduction:

This unique lever action grease gun has been designed for use with oils and flowable grease without leakage. Due to the design of the plunger, which allows it to be used with oils and flowable grease, it is **NOT** suitable for use with grease cartridges. Indeed, the plunger will not fit into a standard 14 oz. grease cartridge. The grease gun design incorporates a four jaw coupler that includes a check valve which prevents oil from leaking out of the tip when not in use.

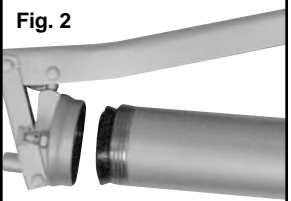
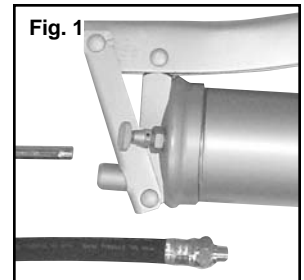
This grease gun features a short stroke system which allows oil or grease to be discharged under pressure without having to actuate the lever handle to its full stroke position. This is very handy in tight locations where a full stroke is not possible or only a small amount of fluid is to be discharged.

The body and head are constructed of heavy gauge steel, which allows the gun to generate upwards of 5,800 PSI without leakage. This also resists dings and dents in the tube which could prevent the plunger from operating properly. The heavy gauge steel tube also allows roll forming of the threads that engage the grease gun head, which prevents cross threading and allows for easy engagement.

Additional features include a manual air vent for venting trapped air after filling and a reference scale on the handle to allow the operator to repeatedly discharge a particular quantity of fluid.

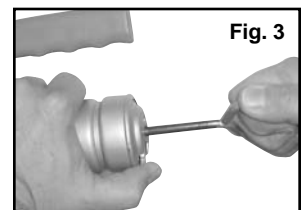
Assembly:

Assembly of this grease gun is minimal and only requires the attaching of the discharge spout or flex hose, fig. 1. Use of a small amount of thread sealant such as Loctite 545 will ensure a leak free connection.

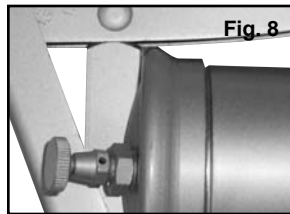
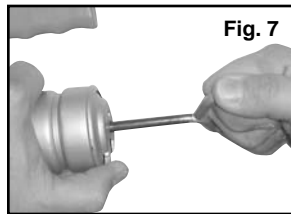
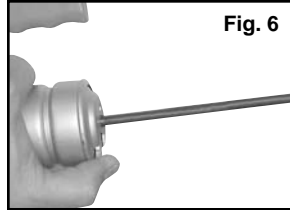
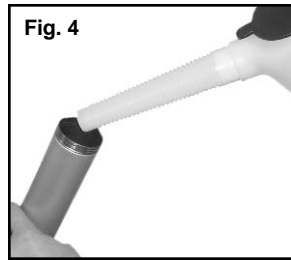


Filling Grease Gun:

1. Unscrew tube body from grease gun head, fig. 2
2. Pull plunger back to desired position in preparation for filling, fig. 3. Note: pulling plunger back to the full back position allows the tube to hold 16 fluid ounces of oil or grease.



3. Hold tube in vertical position as shown in fig. 4, pour oil or flowable grease into tube to desired level.
4. Screw grease gun head onto tube, fig. 5 and tighten securely.



5. Release plunger by depressing release catch at bottom end of tube, fig. 6 and push plunger fully into tube body, fig. 7.
6. Slowly open air vent by turning vent knob, fig 8, counterclockwise 1 to 3 turns until air has escaped and fluid starts to weep from vent. Retighten vent by screwing vent knob clockwise until finger tight. Caution: do not unscrew vent knob more than 3

- turns, doing so will cause the vent knob to disengage from the head and possibly cause an uncontrolled leak.
7. Air trapped in the discharge spout/hose may be vented by operating the grease gun lever until oil/grease is discharged from the coupler in a steady stream.

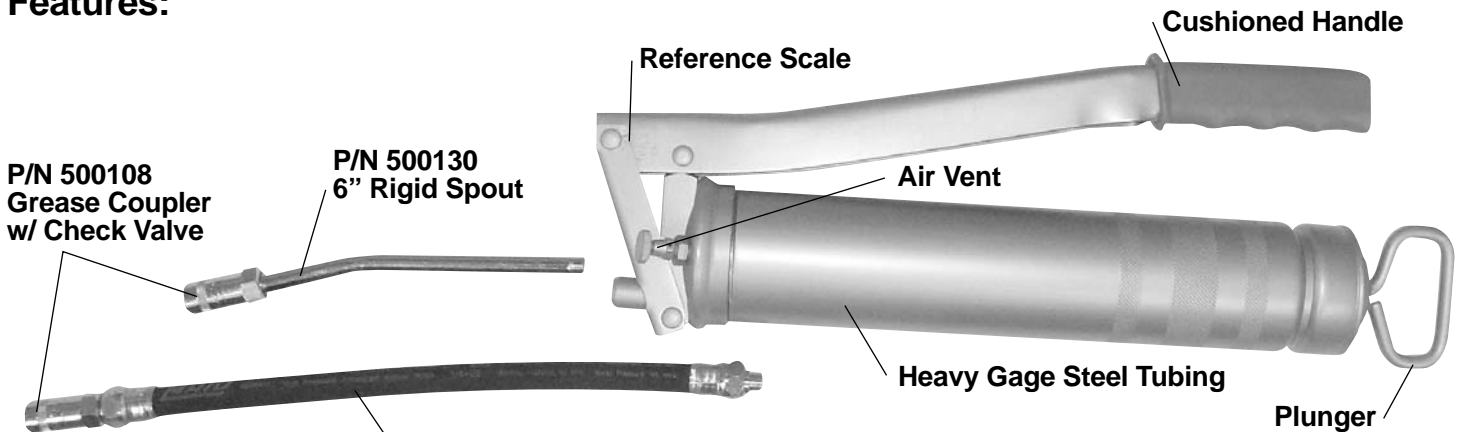
Operation:

1. Attach grease coupler to grease fitting by firmly pushing coupler until it snaps into place.
2. Slowly operate handle to discharge oil/grease in desired quantity
3. Remove coupler from grease fitting by pulling coupler away from fitting.

Specifications:

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| P/N 500141R | Grease Gun with 6" Rigid Spout & Non Return Coupler |
| P/N 500141F | Grease Gun with 12" Flex Spout & Non Return Coupler |
| Type | Lever Operated Grease Gun with Short Stroke Capability |
| Application | Oils and Flowable Grease |
| Capacity | 16 fluid ounces, bulk fill |
| Discharge | Approximately 21 Strokes per Fluid Ounce |
| Weight | 2.8 lb. (empty) |

Features:



P/N 500145 Multi Ply Plastic Hose
P/N 12087 Heavy Duty Rubber Hose
12" Flex Hose

