

Toledo grease guns are a premium quality option. This market leading range is manufactured using highest grade materials to ensure maximum safety, strength and durability. The comprehensive range covers a wide range of styles to cater for all industries including automotive, industrial, marine, mining and DIY applications. The Toledo grease gun range will satisfy any minor or major jobs with their outstanding performance.

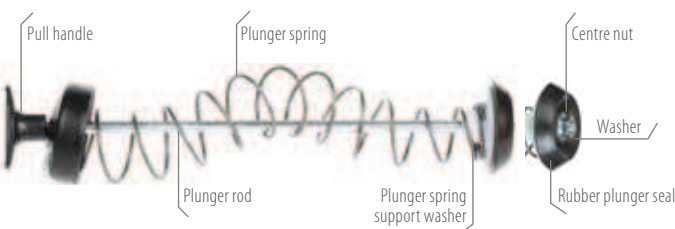
### MAINTENANCE

1. Thoroughly clean grease gun BEFORE and AFTER use. A lint free cloth to wipe the grease gun will ensure a good grip while operating, and will extend the life of your grease gun. A suitable degreaser can be used if required to assist clean up
2. Store the grease gun in a cool dry place and out of sunlight. Heat and contaminants can alter the condition of the grease
3. Check grease flow before use. It is recommended to squeeze a small amount of grease onto a rag to check flow and condition of grease
4. Prevent grease contamination. Always label grease guns with grease contents. If different grease types are required, it is always advised to use separate grease guns for each type of grease (Incorrect grease for application can result in significant damage or failure)

### PLUNGER ASSEMBLY (BULK VS CARTRIDGE)

The configuration of the plunger assembly varies depending on whether or not the gun is being used with a cartridge or bulk fill grease. Plunger adjustment/reassembly is required if application is varying between the two. Plunger reassembly instructions are detailed below

**Caution:** The plunger spring of the grease gun is under tension when assembled. Always take caution when switching plunger assembly. Do not aim plunger assembly at yourself or another person and eye protection should always be worn for safety



**Note:** Toledo grease guns are supplied ready for cartridge use. If the gun is to be used with a cartridge it is pre-primed and ready for immediate use

1. Unscrew barrel from grease gun head
- 2a. Secure grease gun in vice. Do not over tighten
- 2b. If you are unable to stabilise with a vice, have another person hold the barrel with the pull handle firmly pressed against the bench and plunger facing upwards
3. Push down the rubber plunger seal just enough to enable the release of tension on the centre nut

**CAUTION:** The rubber plunger is under load due to the pressure of the plunger spring, loosening the centre nut without pushing plunger down will cause the parts to accelerate rapidly from barrel. Take extra time and care when carrying out this step

4. Continuing to hold down the plunger spring, carefully undo the centre nut with a wrench
5. Once the centre nut is removed slowly release tension back out to enable the removal of the plunger seal
6. Flip over the plunger seal to the required position and refit it to the coil spring
7. Once again apply enough downward pressure on the plunger seal to enable the reapplication of the centre nut by screwing it into place

### PLUNGER ROD LOCKING

#### LEVER LOCK STYLE

- **To LOCK** the grease gun - Pull the plunger rod all the way back until it automatically locks into position
- The lever lock will automatically hold the plunger rod
- **To RELEASE** the lock - Slightly pull the plunger rod back a bit further, press and hold the lever lock to slowly release



#### NOTCHED LOCK STYLE

- **To LOCK** the grease gun - Pull and hold back plunger rod until the recess on rod passes the notch and then manipulate the rod into the smaller notch recess where it will engage and hold
- **To RELEASE** the lock - Slightly pull the plunger rod back a bit further and manipulate the rod back into the larger notch and release slowly



#### EAR LOCK STYLE

- **To LOCK** the grease gun - Pull and hold back plunger rod until ears on rod pass through the notch
- Once it passes through the notch turn plunger rod to lock in position (Note: You may be required to pull and turn simultaneously to locate the notch)
- **To RELEASE** the lock - Slightly pull plunger rod back and align the ears with notch opening and slowly release



### LOADING



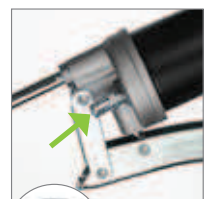
**Cartridge**  
plunger assembly  
(supplied like this)



**Bulk fill**  
plunger assembly

#### PUMP FILL

- Plunger must be assembled for **bulk fill**
- Ensure the bulk loader valve is compatible for use with the filler pump
- Attach grease gun to filler pump
- Initiate filling and only stop once it becomes difficult to pump any more grease in
- Wipe off any excess grease
- Bleed air as necessary



*Note: The number of strokes required to completely fill the grease gun will vary between pumps*

#### SUCTION FILL

- Unscrew barrel from gun
- Plunger must be assembled for **bulk fill**
- Place barrel into grease bucket 3/4 deep
- Pull back plunger rod very slowly, to minimise any air intake, and begin sucking in the grease
- Wipe away any excess grease before screwing back on and reattaching to grease gun head
- Bleed air as necessary



## HAND FILL

- Unscrew barrel from gun
- Plunger must be assembled for **bulk fill**
- Pull plunger rod back and move to locked position
- Use a spatula to fill barrel with grease
- Wipe away any excess grease before screwing back on and reattaching to grease gun head
- Bleed air as necessary



## CARTRIDGE FILL

- Unscrew barrel from gun
- Plunger must be assembled for **cartridge fill**
- Pull plunger rod back and move to locked position
- Remove end caps from cartridge and insert into barrel
- Screw barrel back on to grease gun head and release plunger rod
- Bleed air as necessary



## AIR BLEEDING

## GREASE GUNS WITHOUT BLEEDER VALVE

- After filling with grease, but before returning plunger rod, reapply barrel to grease gun head by screwing it back in but **ONLY 2 - 3 turns**
- Release plunger rod. This will automatically result in gradual bleeding (Note: some grease may be expelled out of threads)
- Wait several minutes until re-tightening barrel all the way and wipe off any excess grease
- Pump a few times until grease comes out of nozzle steadily



## GREASE GUNS WITH PUSH TYPE BLEEDER VALVE

- After filling with grease, but before returning plunger rod, reapply barrel to grease gun head by screwing it back in completely
- Release plunger rod and depress air valve to bleed air
- Plunger rod may not fully return first time, repeat process until plunger rod is fully returned
- Pump a few times until grease comes out of nozzle steadily



## GREASE GUNS WITH AUTOMATIC BLEEDER VALVE

- There is no need to take any action. The air bleeder valve does not have a spring and remains open which results in automatic bleeding once the plunger is released from locked position. The natural pressure will result in the rise of the bleeder valve and any air will be dispensed through two holes in the bleeder valve which also results in faster more efficient bleeding



## CORRECT GREASE FLOW

- Grease should discharge smoothly, steadily and consistently

## TROUBLESHOOTING

Issue	Cause	Solution
<b>Little or no grease being dispensed</b>	Air lock/pockets in grease	Ensure grease gun is correctly primed by following the air bleeding procedures for the respective grease gun
	Thickened grease due to cold weather	Heat up cartridge with heat source. Do not use an open flame as this could result in injury and damage to the grease gun
	Blocked nozzle/extension	Remove extension and inspect for blockage or obstruction
	Rubber plunger not sealing correctly	Unscrew cartridge and inspect plunger condition. Ensure the plunger is set up correctly for either bulk or cartridge use
	Grease gun is empty	Refill canister with new cartridge or bulk fill
	Kinked or split hose extension	Inspect rubber hose for damage and replace if necessary
	Damaged air release valve	Requires repair or replacement
	Rubber plunger did not engage cartridge correctly	Always try to use plastic body cartridges over paper style as they give a firmer edge for the rubber plunger to engage with. It may require some manipulation and manoeuvring of the plunger rod to achieve success
<b>Leaking grease from rear of gun</b>	Incorrect plunger assembly	Reassemble plunger to correct position for bulk or cartridge use
	Contaminated grease	Immediately remove remaining grease from the gun and thoroughly clean. Some types of grease may produce a film of oil when in storage for a period of time
	Grease is too thin & potentially mixed with oil	Use thicker NLGI grade 2 grease
<b>Leaking grease from front of gun</b>	Loose or damaged threads	Inspect threads and tightness of nozzle. Tighten further if required. It is highly recommended to use Teflon thread tape to assist proper operation. Replace/Apply thread tape
	Canister not properly secured	Remove and inspect threads and seal on cartridge and re-tighten
<b>Lever/trigger difficult to operate</b>	Seized internals	Inspect pivot points on lever for damage and seizure. If found damaged, it is recommended to replace the gun
	Obstruction in nozzle	Clean nozzle and remove obstruction. Inspect grease nipple for fault
<b>Handle seizure resulting in loss of function and operation</b>	Major failure of the grease gun	Grease gun needs to be replaced

## GREASE GUN COUPLERS

- Clean grease nipple before connecting grease gun
- For a positive connection, push grease coupler straight on

*Note: Do not use excessive force. If it is difficult to connect, check for any obstruction and if coupler is suitable for the nipple*

- To safely disconnect, tilt coupler to one side, gently twist and pull simultaneously
- Wipe off any excess grease

