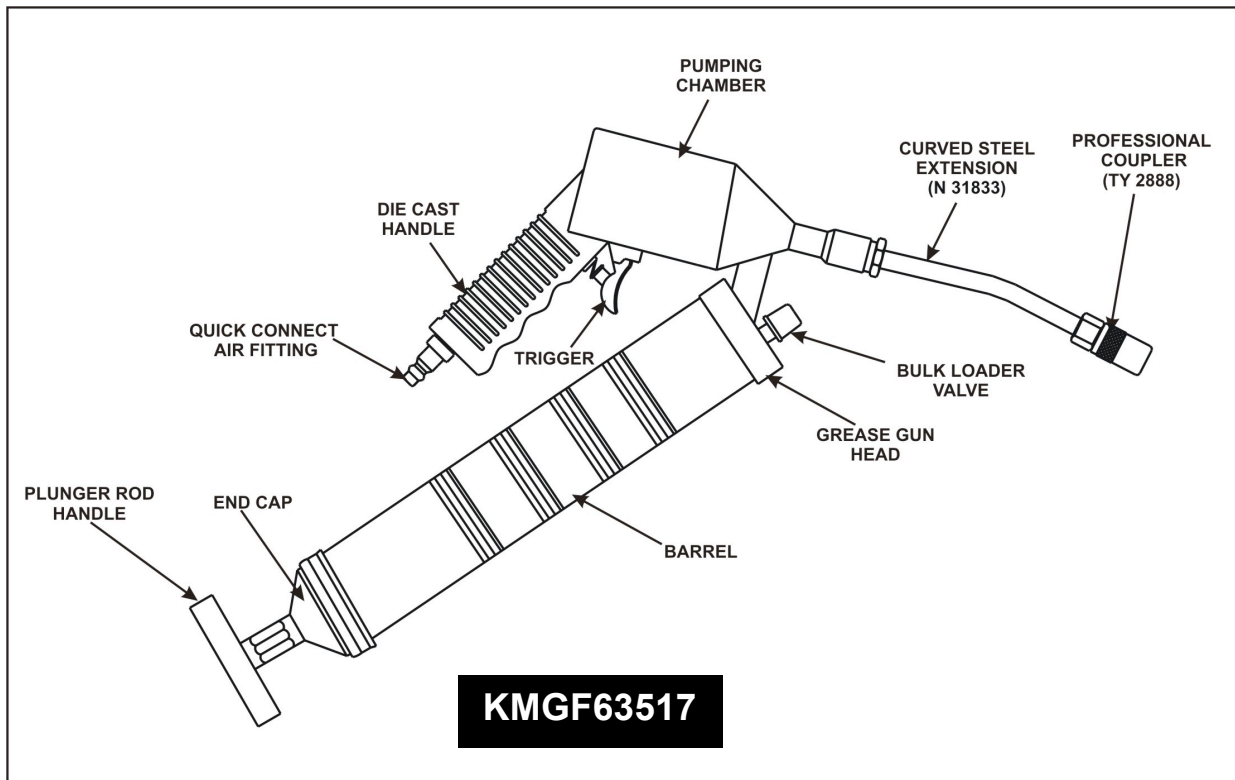


OPERATING INSTRUCTIONS MANUAL

Thank you for purchasing your Komatsu Premium Air Operated Grease Gun. Please read instructions before using product, and save for future reference. Observe all safety information, warnings and cautions when using this product. Failure to comply with instructions could result in personal injury and/or damage to product or property. This product is designed for general lubrication of equipment and machines that are equipped with grease fittings. NOTE: This is a general service instruction sheet & specifications described may not match your grease gun exactly.

Air Operated Continuous Action Grease Gun



Specifications

Air Inlet Pressure	Extension	Discharge Per minute	Pressure Ratio	Compressed Air Volume	Cartridge	Bulk	Filler Pump
40-120 PSI (3-8 BAR) Recommend 90 PSI (6 BAR)	6" Curved Steel	14 oz. (400gms)	40oz. (400gms)	1 CFM minimum	Y	Y	Y

Using the Air Powered Grease Gun:

Air Supply: Compressed air used with this gun must be dry as moisture in the air will damage the unit. An FRL (Filter, Regulator, Lubricator) unit must be installed in air line. Compressor must provide a minimum volume of 1 CFM (0.026 cubic meters). Inlet air supply should have a pressure of between 40-120 PSI (3-8 BAR). Recommended working pressure is 90 PSI (6 BAR). This grease gun has a 40:1 pressure ratio (i.e. grease discharge pressure will be 40 times the inlet pressure).

Lubrication: This grease gun requires regular lubrication. To lubricate, add a few drops of oil through the air inlet on the grease gun. SAE 30 oil is recommended.

Connecting to Air Supply: Use the standard male quick connect fitting provided with gun, or other quick connect coupler. Ensure that the fitting used properly connects with the female connect fitting on the air line.

Operating the Grease Gun: Grease is continuously discharged with the trigger pressed. Take care not to over lubricate. Grease gun is capable of dispensing a full 14 oz. (400 gm) grease cartridge in one minute. First, thread the male quick connect fitting onto the air inlet on the handle until tight. Remove any cartridge in the barrel before filling by pulling the plunger out to maximum distance and locking in place. Remove grease gun head by turning counter clockwise and removing empty cartridge.

CAUTION: Grease or empty cartridges in the barrel may be under pressure from internal spring – use caution when removing either end of the barrel.

General Safety Information

Always wear safety glasses when using a grease gun. Keep work area clean & remove excess grease from tools, hands & clothing after use. Do not use grease gun whip hose for other applications or at pressure levels above rated pressures.

CAUTION: Excess grease, if left on floors, tools or equipment can create surfaces that become slippery.

Your grease gun may be loaded in one of three ways: **Cartridge, Bulk or Filler Pump**. Always follow the steps above before proceeding to the appropriate loading method.

GREASE CARTRIDGE

CAUTION: Grease or an empty cartridge in barrel is under pressure from the internal spring, use caution when removing either end of the barrel. **Note:** Grease pressure is 40 times greater than the inlet air pressure.

1. Disconnect gun from air supply. Loosen, but do not remove, the grease gun head from the barrel by turning the head counter clockwise 1 ½ turns. Then pull plunger handle out all the way and lock into place.
2. Remove plastic cap from the grease cartridge on the end of the cartridge that inserts into the gun (not the end with the metal seal tab). Arrow marks on the cartridge indicate which end to insert into the gun.
3. Once the cartridge is seated with its rim resting on the barrel, remove the metal pull tab on the cartridge. Then screw the gun head onto the barrel without fully tightening, leaving 2-3 turns before head is fully tight.
4. Disconnect the plunger rod from the end cap by slightly pulling the plunger rod back. Tilt the rod back to disconnect. Move the plunger rod in and out a few times to compress the grease inside the cartridge and force out trapped air. Trapped air will escape from the space between the loosened barrel and cap.
5. Then reconnect the air supply, and press the gun trigger to “prime” the system until grease begins to discharge from the nozzle. Initial grease may have trapped air. Once primed, fully tighten the head onto the barrel. The first amount of grease may have some air bubbles. **IMPORTANT:** Continue to pull trigger until all trapped air is removed from the grease and a continuous flow is produced.
6. Once trapped air is removed, fully tighten the grease gun head onto the barrel. **NOTE:** When using the gun in regular operation, pressing the air release valve helps force out trapped air.
7. Fasten the grease gun extension & coupler assembly onto the grease gun outlet, using a thread sealant such as Teflon tape to make a leak-proof seal. **IMPORTANT:** Connection of the extension with the gun head, and the other end with the coupler, must both be leak-proof.
8. Hand-tighten the extension onto the gun outlet. Using wrench rotate an additional 2 turns. **IMPORTANT:** Do not over tighten as this will stress the gun head and may cause it to fracture. Extension threads are tapered and not designed to screw completely in. Threads will stop midway, forming a leak-proof connection.
9. The grease gun is now ready to use. Upon operation, grease should begin flowing from the coupler.

NOTE: This is a continuous flow grease gun & will continue to dispense grease while the trigger is pressed. Be careful not to over lubricate.

BULK GREASE

CAUTION: Grease or an empty cartridge in barrel is under pressure from the internal spring, use caution when removing either end of the barrel. **Note:** Grease pressure is 40 times greater than the inlet air pressure.

1. Disconnect gun from air supply. Loosen, but do not remove, the grease gun head from the barrel by turning the head counter clockwise 1 ½ turns. Pull plunger handle out all the way and lock into place. Rotate the head counter clockwise and unscrew the

head from the barrel completely. The notch in the plunger rod fits onto the end cap when in fully extended back position. Rotate the head counter clockwise and unscrew the head from the barrel completely.

TO HAND FILL: Scoop out grease from the grease drum and hand fill the grease gun barrel.

TO SUCTION FILL: Insert open end of the barrel into the grease bucket about 2" (5 mm) deep into grease. Pull the plunger rod back by the handle to draw in grease until rod is fully extended. Connect the notch in the plunger rod with the end cap.

2. Screw the gun head onto the barrel without fully tightening, leaving 2-3 turns before head is fully tight.

3. Disconnect the plunger rod from the end cap by slightly pulling the plunger rod back. Tilt the rod back to disconnect. Move the plunger rod in and out a few times to compress the grease inside the barrel and to force out trapped air. Trapped air will escape from the space between the loosened barrel and cap.

4. Reconnect the air supply; press the gun trigger to "prime" the system until grease begins to discharge from the nozzle. Initial grease may have trapped air. Once primed, fully tighten the head onto the barrel. Push the plunger rod into the barrel for easier maneuverability during use. **NOTE:** When using the gun in regular operation, pressing the air release valve helps force out trapped air.

5. Fasten the grease gun extension & coupler assembly onto the grease gun outlet, using a thread sealant such as Teflon tape to make a leak-proof seal. **IMPORTANT:** Connection of the extension with the gun head, and the other end with the coupler, must both be leak-proof.

6. Hand-tighten the extension onto the gun outlet. Using a wrench rotate an additional 2 turns. **IMPORTANT:** Do not over tighten as this will stress the gun head and may cause it to fracture. Extension threads are tapered and not designed to screw completely in. Threads will stop midway, forming a leak-proof connection.

7. The grease gun is now ready to use. Upon operation grease should begin flowing from the coupler.

NOTE: This is a continuous flow grease gun & will continue to dispense grease while the trigger is pressed. Be careful not to over lubricate.

FILLER PUMP

CAUTION: Grease or an empty cartridge in barrel is under pressure from the internal spring, use caution when removing either end of the barrel. **Note:** Grease pressure is 40 times greater than the inlet air pressure.

1. To use the grease gun with a filler pump, a bulk loader valve must be installed onto the grease gun head. Install the bulk loader valve by removing the air release valve & replacing it with a bulk loader valve having 1/8" NPT threads.

2. The bulk loader valve must be compatible with your filler pump. Several bulk loader designs are available however all designs are not compatible with your filler pump. If necessary, replace the loader valve on your gun with one that works with your filler pump. 3. Wipe the bulk loader valve on the gun head clean of dirt or other foreign material before starting. Operate the filler pump until grease flow is achieved. Priming of pump may be necessary to begin flow of grease.

4. Turn the gun upside down & insert the bulk loader valve on the gun head to the female discharge point on the filler pump. Start operating the filler pump making sure the connection between the grease gun and pump is tight, with no leakage.

5. The pressure required to operate the filler pump will increase as the gun is filled, and the number of strokes required to completely fill the gun varies from one pump to another. If using a Komatsu Filler Pump, the gun will fill in about 17 strokes.

6. Once the gun is filled with grease, immediately stop the filling process. **CAUTION: Do not overfill with grease as this may result in leakage from the joints.**

7. Disconnect the grease gun from the filler pump. Unscrew the gun head onto the barrel by about 2-3 turns.

8. Reconnect the air supply; press the gun trigger to "prime" the system until grease begins to discharge from the nozzle. Initial grease may have trapped air.

9. Operate the grease gun handle, while barrel and cap are still loose, until a continuous flow of grease is produced. First amount of grease may have some air bubbles. **IMPORTANT:** Continue to pump until all trapped air is removed from the grease and a continuous flow is produced.

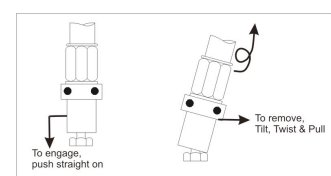
10. Once trapped air is removed, fully tighten the grease gun head onto the barrel. **NOTE:** When using the gun in regular operation, pressing the air release valve helps force out trapped air. Grease pressure may be adjusted by regulating the inlet air pressure

11. Fasten the grease gun extension & coupler assembly onto the grease gun outlet, using a thread sealant such as Teflon tape to make a leak-proof seal. **IMPORTANT:** Connection of the extension with the gun head, and the other end with the coupler, must both be leak-proof.

12. Hand-tighten the extension onto the gun outlet. Using a wrench rotate an additional 2 turns. **IMPORTANT:** Do not over tighten as this will stress the gun head and may cause it to fracture. Extension threads are tapered and not designed to screw completely in. Threads will stop midway, forming a leak-proof connection.

13. The grease gun is now ready to use. Upon operation grease should begin flowing from the coupler.

NOTE: This is a continuous flow grease gun & will continue to dispense grease while the trigger is pressed. Be careful not to over lubricate.



GREASING A GREASE FITTING / GREASE NIPPLE:

The grease coupler at the end of the grease gun extension is designed with a jaw-type construction. To attach the coupler jaw to a fitting, press the coupler straight onto the grease fitting to form and maintain a tight fit. Operate the grease gun, keeping the coupler square to the fitting. When greasing is complete, slightly tilt the coupler, twist and pull back. The tilt and twist action allows easy removal from the fitting.

Maintenance:

Grease guns and hoses should be kept clean and checked for damage prior to each use. Use an air supply system that incorporates a filter, regulator and lubricator, or add a few drops of lubricator oil (SAE 30 or greater) through the gun's air supply quick connect fitting in the handle.

Trouble Shooting Guide

Sr. Nr.	Symptom (s)	Possible Cause(s)	Corrective Action(s)
1	Grease gun Pumps little or no grease	Barrel not completely tightened	Tighten the barrel completely
		Air Pockets are trapped in grease	Prime grease gun as detailed in instructions
		Blocked grease gun extension	Remove the extension and operate the grease gun. If the gun dispenses grease then the gun is fine and you need to either clean the extension or replace it.
		Grease too thick or cold	Store grease gun and grease away from extreme cold or use thinner grease
2	Excessive grease leaking past the follower	Follower is damaged	Please contact supplier for replacement part at 800-340-3413
		Improper seal between the plunger and the grease gun barrel when using bulk fill or transfer pump	Replace the grease gun
3	Gun Cycles very slowly	Inadequate lubrication of the pumping chamber	Put a few drop of lubricator oil through the quick connect coupler fitting