

# For customers who have purchased GIKEN Air Nut-runner Series

Thank you very much for purchasing GIKEN Air Nut-runner series.

Please be sure to read this Refueling Standard Manual before using the product, and use the product following the contents.

Please keep this manual handy so that you can refer to it whenever you need it.

- The amount of oil to be supplied to the nut-runner is about 1/100cc (1 shaft) per operation. The amount of oil to be supplied to the nut-runner is about 1/100 cc (1 shaft) per operation. The amount of oil to be supplied to the nut-runner is about 10 to 12 drops (1 shaft) per minute of no-load operation. The farther the distance from the oiler to the nut-runner is, the more insufficient the lubricant will be.
- 3 Lubrication by the 3-point set type oiler is spray lubrication, and the state of lubrication varies significantly depending on the distance from the oiler to the nut-runner.



Also, it is difficult to lubricate each shaft evenly. Therefore, when the equipment is used after a long break or when it is first put into operation, lubricate directly from the nut-runner's hose connection (oil supply port) with an oil spigot, etc and perform a no-load operation.

Recommended oil	Super Highland 32 (Anti-wear hydraulic oil)
Oil filling	Appropriate amount Check once a month



Lack of lubricating oil can be fatal to the nut-runner. It may cause problems such as uneven tightening torque, low torque, and motor seizure. If oil other than the recommended oil type is used, it may cause swelling of the vane inside the motor and poor rotation.



The air nut-runner is a product developed as a tightening tool. If the air nut-runner is used for any other purpose, a fee will be charged even within the warranty period.

- Failure or damage due to misuse or improper repair or modification.
- Failure or damage due to lack of lubricant or inadequate storage
- Failure or damage due to moisture ingress
- Failure or damage caused by dropping the product after purchase.
- Fault or damage caused by excessive load.
- Failure or damage caused by disassembly or adjustment by the customer



Replacement parts cannot be returned. Please note that the ownership of the parts removed for paid repairs and free repairs belongs to us and we cannot return the parts.

Please note that a diagnostic fee will be charged separately if the repair is canceled.

Air Nut-runner Problems and Countermeasures
---

Defect Condition	Cause	Remedy
Unable to rotate	<ul style="list-style-type: none"> <li>• Excessive throttling of the adjustment valve</li> <li>• Foreign matter entering the air intake and exhaust holes of the motor</li> <li>• Burned rotor</li> <li>• Damaged gear</li> <li>• Damaged vane (wings)</li> <li>• Damaged bearing</li> </ul>	<ul style="list-style-type: none"> <li>• Return the regulating valve.</li> <li>• Remove foreign matter from air intake and exhaust holes and piping.</li> <li>• Manufacturer's repair is required.</li> <li>• Manufacturer's repair is required.</li> <li>• Manufacturer's repair is</li> </ul>

		<p>required.</p> <ul style="list-style-type: none"> <li>• Manufacturer's repair is required.</li> </ul>
<p>Insufficient torque(Insufficient tightening force)</p>	<ul style="list-style-type: none"> <li>• Excessive throttling of regulating valve</li> <li>• Low air pressure</li> <li>• Insufficient airflow</li> <li>• Insufficient lubrication</li> <li>• Vane (wings) wear, gear wear</li> </ul>	<ul style="list-style-type: none"> <li>• Adjustment of regulating valve</li> <li>• Adjustment of air pressure</li> <li>• Check and adjust piping</li> <li>• Filling with recommended oil</li> <li>• Manufacturer's repair is required.</li> </ul>

If there is no improvement in the above issues, etc., repairs will be required.

【 For repair requests, please contact the distributor where you purchased the product】



#### Head Office and Factory

97-8,Imago-cho Yamatokoriyama,Nara,639-1031

#### Nagoya Branch

1202,Kumada,Nagakute-cho,Aichi Country,Aichi,480-1144

#### Kanto Branch

2-15, 1-chome, Matoba, Kawagoe-city, Saitama 350-1101