

SHERWOOD®

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10077K Impeller Kit Technical Guide

Engine Specified

Identification



Impeller kit 10077K includes 10077 impeller and the associated o-rings and gaskets.

10077 Impeller Specification

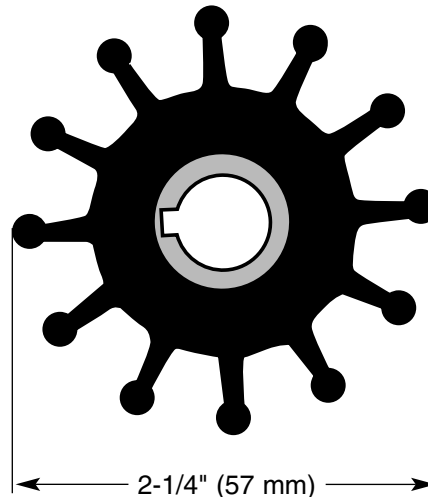
Dimensions

- Diameter: 2-1/4" (57 mm)
- Width: 25/32" (19.8 mm)
- Keyway: 3/32"
- Shaft: 1/2"

Material

- Rubber Impeller: Neoprene
- Insert: Stainless steel or bronze

Number of Blades: 12



Application

The 10077K is used in the following genuine Sherwood pumps:

A03	E20	H70	M10261G	Q10805G	R30G
E05	G701	M10095G*	N10360GX*	Q10840	R30G-1

* Pump uses (2) 10077K impeller kits.

Preventative Maintenance and Inspection

The #1 reason for premature engine wear is overheating. To maintain engine performance, insist upon genuine Sherwood impellers and service kits.

Maintenance Schedule	Pleasure Boating (Low Hours)		Commercial/Fishing Use (High Hours)	
	Light Duty	Severe Duty (High RPM, Silt or Sand)	Heavy Duty	Severe Duty (High RPM, Silt or Sand)
Impeller Kit	Every year	6 months	6 months	3 months
Minor Kit	2 years	Every year	Every year	6 months
Major Kit	4 years	2 years	2 years	Every year

Sherwood Pump	Minor Repair Kit	Major Repair Kit
E05	10996	24025
G701		22784
H70	13367	13366
N10360GX	10244	12301

Sherwood Pump	Minor Repair Kit	Major Repair Kit
Q10840		12251
R30G	10996	24025
R30G-1	10996	24025

Notes:

Minor kits in bold contain: impeller, gaskets, seal, snap ring and key.

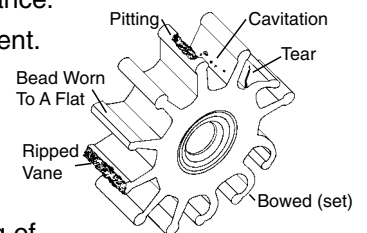
For the contents of the other minor kits, see repair kit section in the Sherwood marine catalog.

Major kits in bold contain: impeller, gaskets, seal, snap rings, key, bearing, bushing and cam.

For the contents of the other major kits, see repair kit section in the Sherwood marine catalog.

Recommended inspection to be performed at any service interval:

- Impeller Inspect for cracks or tears. Also, inspect for excessive abrasion of vane ends. Replace annually, or if any of the conditions exist, as in the picture below.*
- Wear Plate Inspect for wear, flatness, and pin for fatigue. Replace at major pump rebuild or if wear is evident to maintain pump flow and suction performance.
- Cam Replace at minor or major pump rebuild or if pitting/wear is evident.
- Cover Replace at major pump rebuild or if wear exists to maintain pump flow and suction performance.
- Mechanical Seal Replace at minor and major pump rebuild or if leaking.
- Lip Seal Replace at major pump rebuild or if leaking.
- Shaft Inspect for wear in area of lip seal and rubber impeller. Grooving of lip seal area or heavy fretting of the impeller end shaft will require shaft replacement.
- Bearing Inspect for loss of grease, corrosion or rough rotation. Replace at major pump rebuild as the entire shaft and bearing assembly (see page 3 for proper assembly number).



* See maintenance schedule above



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