

Equipment: Carpet Cleaning Machines > Wand > Specialty Wands > HydraMaster 604-053-100 RX20 Complete Head Star Assembly High Efficiency HE

HydraMaster 604-053-100 RX20 Complete Head Star Assembly High Efficiency HE



Model Number: 604-053-100

HydraMaster 604-053-100 RX20 Complete Head Star Assembly High Efficiency HE

Manufacturer: HydraMaster

HydraMaster 604-053-100 RX20 Complete Head Star Assembly – HE High Efficiency Rotary Carpet Cleaning Head

Manufacturer: HydraMaster

OEM Part Number: 604-053-100

Part Number Without Dashes: 604053100

Product Description: RX20 Complete Head Star Assembly

Configuration: Double Thread / New Style

Equipment Type: Rotary Carpet Extraction Cleaning Machine

Application: HydraMaster RX-20 Rotary Carpet Cleaner

HydraMaster RX20 Complete Rotary Vacuum Head Assembly

The HydraMaster 604-053-100 RX20 Complete Head Star Assembly is an OEM replacement rotary cleaning head assembly designed for use with compatible HydraMaster RX20 carpet cleaning machines.

This replacement assembly is used to service the rotary extraction head system of the RX20, helping restore the cleaning performance of machines with damaged, worn, or malfunctioning head components.

The RX20 rotary extractor combines mechanical cleaning action, hot-water extraction, and vacuum recovery to provide professional carpet cleaning results.

The rotating head assembly is an important component of this system, providing the mounting structure for the rotary vacuum cleaning heads.

Product Features and Benefits

- Genuine HydraMaster Replacement Part: OEM part number 604-053-002.
- Complete Star Head Assembly: Designed for replacement of the compatible RX20 rotary vacuum head assembly.
- Double-Thread Configuration: Identified as the newer double-thread style assembly.
- Professional Carpet Cleaning Equipment: Intended for commercial rotary carpet extraction applications.
- Equipment Repair: Provides a replacement option when the original head assembly becomes worn or damaged.
- Rotary Extraction System: Used in the RX20 cleaning head system responsible for carpet extraction and vacuum recovery.

RX20 Compatibility Information

HydraMaster has manufactured multiple configurations and generations of RX20 rotary carpet cleaning equipment.

The original HydraMaster RX20 service documentation identifies 604-053-002 as the vacuum head assembly.

This part is also marketed as a complete head star assembly for the RX20 and certain

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RX20 NextGen configurations.

Important: Not every RX20 vacuum head assembly is interchangeable. Later RX20 NextGen equipment may use a different head assembly, including part number 604-053-100.

Before ordering, verify the machine serial number, original assembly part number, and head configuration.

Compatible Equipment to Verify

- HydraMaster RX20 Rotary Carpet Cleaning Machine
- HydraMaster RX-20 Hot Water Extraction Rotary Cleaner
- HydraMaster RX20 Double-Thread Vacuum Head Configurations
- HydraMaster RX20 NextGen – Verify Assembly Version Before Ordering

Note: Equipment model identification alone does not guarantee compatibility. Always confirm the correct replacement assembly using the applicable HydraMaster parts diagram.

When Should the RX20 Head Assembly Be Replaced?

The rotary cleaning head is subjected to continuous movement, carpet contact, vacuum loading, and normal mechanical wear during operation.

Replacement or inspection may be necessary when the equipment experiences:

- Damaged or broken rotary head mounting components.
- Excessive mechanical wear in the head assembly.
- Cracked or bent star assembly components.
- Loose or damaged vacuum head mounting connections.
- Uneven rotation caused by damaged head components.
- Reduced cleaning performance associated with a damaged rotary head.
- Physical damage resulting from impact or improper operation.

Other components, including the gearbox, rotary union, vacuum hoses, and individual vacuum heads, should also be inspected before replacing the complete assembly.

OEM Replacement Part Identification

Specification
Information

Manufacturer
HydraMaster

OEM Part Number
604-053-100

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Complete Head Star Assembly High Efficiency HE

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Searchable Part Number
604053100

Product Type
Rotary Vacuum Head / Star Assembly

Configuration
Double Thread / New Style

Equipment Application
HydraMaster RX20 Rotary Carpet Extractor

Condition
New Replacement Assembly

HydraMaster RX20 Replacement Parts and Related Components

When repairing an RX20 rotary carpet cleaning machine, it is important to inspect surrounding components for damage or excessive wear.

Depending on the equipment configuration, related service components may include:

- 000-052-294: RX20 Rotary Union.
- 000-057-047: RX20 Felt Hub Gasket.
- 000-107-089: RX20 Star Plate.
- 000-107-0201: RX20 Double-Thread Hub.
- 000-059-001: RX20 Gearbox.
- 000-169-058: RX20 Solution Valve.

These are related service components and are not necessarily included with part number 604-053-002.

Individual replacement parts may be available separately, depending on the machine version and manufacturer availability.

Installation and Service Recommendations

Installation should be performed by a qualified technician familiar with HydraMaster rotary extraction equipment.

- Disconnect the machine from electrical power before beginning service.
- Disconnect the solution and vacuum hoses as necessary.
- Inspect the existing rotary head assembly and surrounding components.
- Verify the replacement assembly matches the original head configuration.

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- Remove the damaged assembly according to the applicable HydraMaster service instructions.
- Inspect the rotary union, drive components, seals, and mounting hardware.
- Install the replacement assembly using the manufacturer's specified hardware and procedures.
- Verify proper mechanical clearance and rotation before returning the machine to service.
- Reconnect the required hoses and perform an operational inspection.

Installation Warning: Do not operate the machine with loose, damaged, or improperly installed rotary head components. Follow the manufacturer's service manual for the specific machine configuration.

HydraMaster RX20 Parts Manuals and Exploded Diagrams

Factory parts diagrams can help identify the correct rotary vacuum head assembly and related replacement components.

Original HydraMaster RX20 Parts Manual:

[View RX20 Owner's Manual, Assembly Drawings, and Parts Lists \(PDF\)](#)

HydraMaster RX20 NextGen Factory Manual:

[View HydraMaster RX20 NextGen Owner's Manual and Parts Diagrams \(PDF\)](#)

The original RX20 documentation identifies part number 604-053-002 as the vacuum head assembly. Newer NextGen documentation identifies additional assembly configurations. Use the manual corresponding to your machine's model and serial number.

Frequently Asked Questions

What is HydraMaster part number 604-053-002?

HydraMaster 604-053-100 is an RX20 rotary vacuum head assembly, also described as a complete head star assembly. It is used in compatible HydraMaster RX20 rotary carpet extraction machines.

Is 604053100 the same as 604-053-100?

Yes. Both numbers identify the same manufacturer part number. The version without dashes is commonly used when searching parts catalogs and online stores.

Does this assembly fit every HydraMaster RX20?

Compatibility depends on the machine's production version and vacuum head configuration. Verify the original assembly part number and consult the appropriate factory parts manual before ordering.

Will this fit an RX20 NextGen machine?

Part number 604-053-100 is advertised for RX20 and certain RX20 NextGen applications. However, some NextGen configurations use different factory assembly numbers, including 604-053-002. Compatibility should be confirmed before purchase. Does this include the RX20 gearbox?

The gearbox is a separately identified RX20 service component. Do not assume the gearbox is included with this head assembly unless specifically confirmed by the manufacturer.

Can I replace individual RX20 head components instead of purchasing the complete assembly?

Depending on the damage and the machine configuration, individual components

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such as the star plate, vacuum heads, hub, seals, and other service parts may be available separately.

A complete assembly may be a practical repair option when multiple components are damaged or when the original assembly is no longer serviceable.

Order Genuine HydraMaster RX20 Replacement Parts From Steam-Brite

Steam-Brite supplies professional carpet cleaning equipment, rotary extraction machine parts, truckmount components, cleaning tools, and replacement assemblies for commercial cleaning contractors.

Order HydraMaster 604-053-002 RX20 Complete Head Star Assembly for your compatible RX20 rotary cleaning machine.

If you are uncertain which head assembly your equipment requires, verify your machine model, serial number, and existing head configuration before placing your order.

Manufacturer: HydraMaster

Part Number: 604-053-100

Product: RX20 Complete Head Star Assembly HE Double

Ordering Notice: HydraMaster orders are final, non-cancellable, and non-refundable as stated in Steam-Brite's product ordering policy. Verify part compatibility before purchasing. Applicable legal rights remain unaffected.

Repairs or replaces the main drive assembly for:

Hydramaster RX20 NEXTGEN Rotary Cleaner Wand With High Efficiency Head 700-041-030

Availability: This product was added to our catalog on Wednesday 28 October, 2026