



WSnow20 Auger Replacement

WSnow20 Snow Thrower

Auger (Impeller) Replacement Instructions

Model: WSnow20

Document Type: Service Instruction

Application: Auger Removal and Installation

Safety Notice:

Before performing any service, ensure the unit is powered off and disconnected from any power source. Allow all moving components to come to a complete stop. Wear appropriate protective equipment.

Required Tools

Phillips screwdriver

10 mm socket

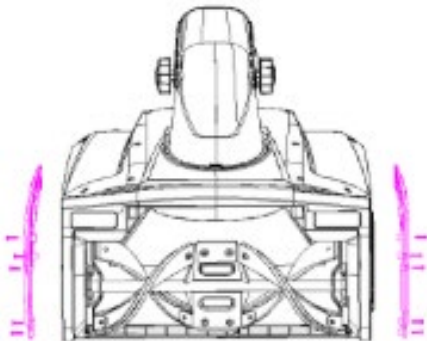
13 mm socket

Ratchet or wrench

Section 1: Auger Removal

Step 1 – Remove Guard Plates

Fig 1



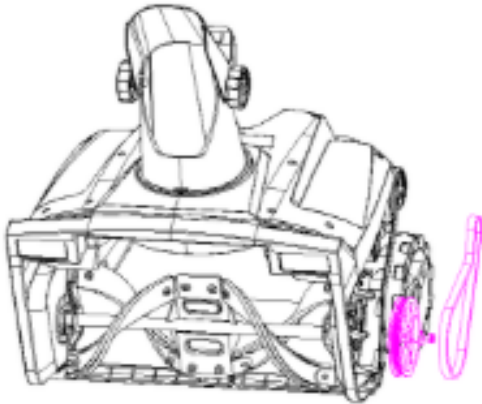
Remove the ST4×16 screws located on both the left and right guard plates using a screwdriver. Remove both guard plates and set aside.

Step 2 – Remove Belt and Pulley



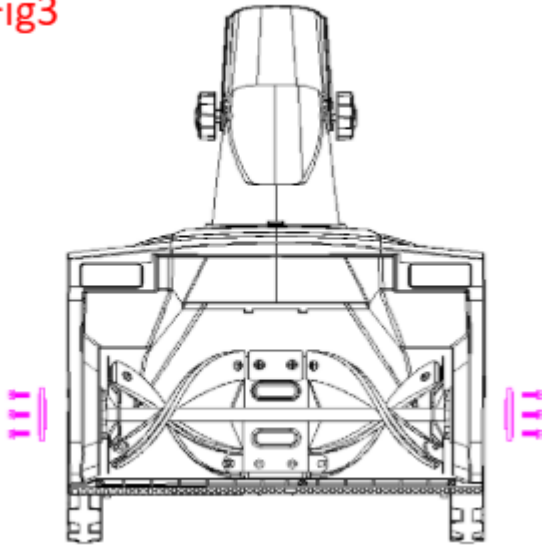
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Fig2



Remove the drive belt from the pulley.
Using a 13 mm socket, remove the M8 nut securing the large pulley.
Important: The M8 nut is a left-hand thread. Turn clockwise to loosen.
Remove the pulley from the shaft.
Step 3 – Remove Blade Retaining Hardware

Fig3



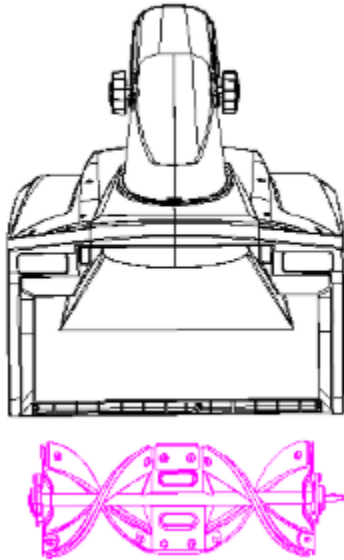
Using a 10 mm socket, remove the M6 bolts securing the upper blade retaining plates (splints).
Remove the retaining plates from both sides.

Step 4 – Remove Auger



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Fig4

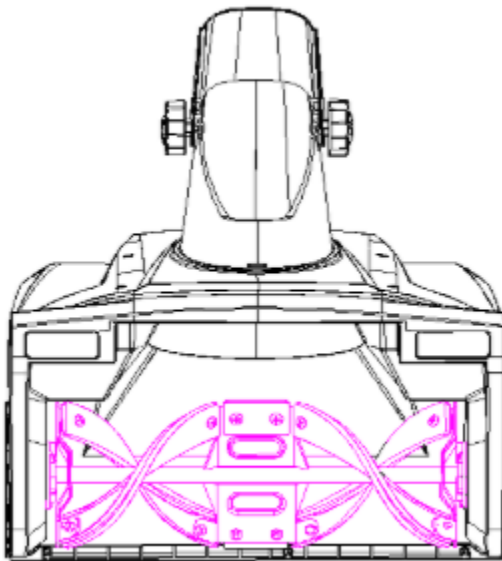


Once all hardware is removed, carefully slide the auger assembly out of the housing.

Section 2: Auger Installation

Step 1 – Install Auger

Fig1



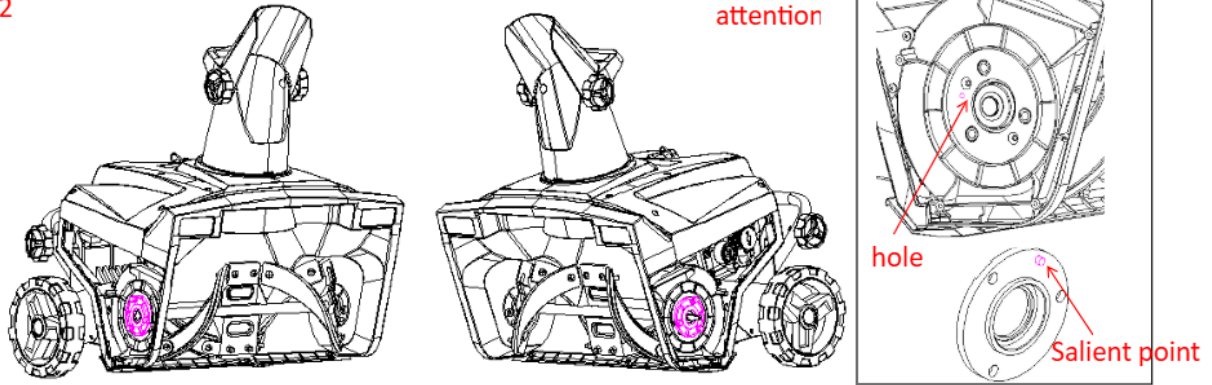
Position the auger assembly into the housing, ensuring proper alignment with the shaft.

Step 2 – Install Blade Retaining Plates



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Fig2



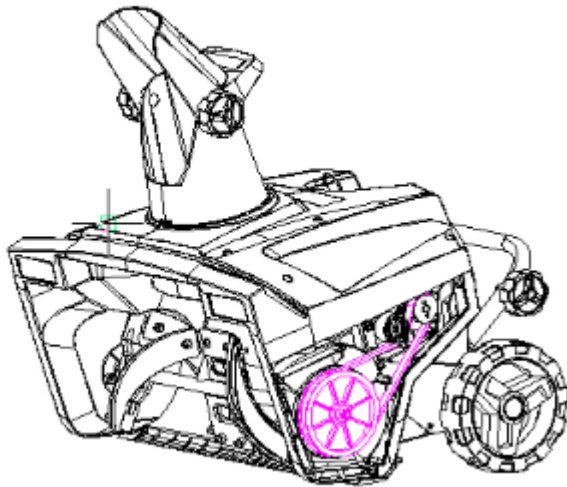
Reinstall the upper blade retaining plates.

Secure using the M6 bolts with a 10 mm socket.

Important: Ensure the raised (convex) point on the retaining plate aligns with the corresponding hole in the housing.

Step 3 – Install Pulley and Belt

Fig3



Install the large pulley onto the shaft.

Install the flat washer and M8 nut.

Important: Tighten the left-hand thread by turning counterclockwise.

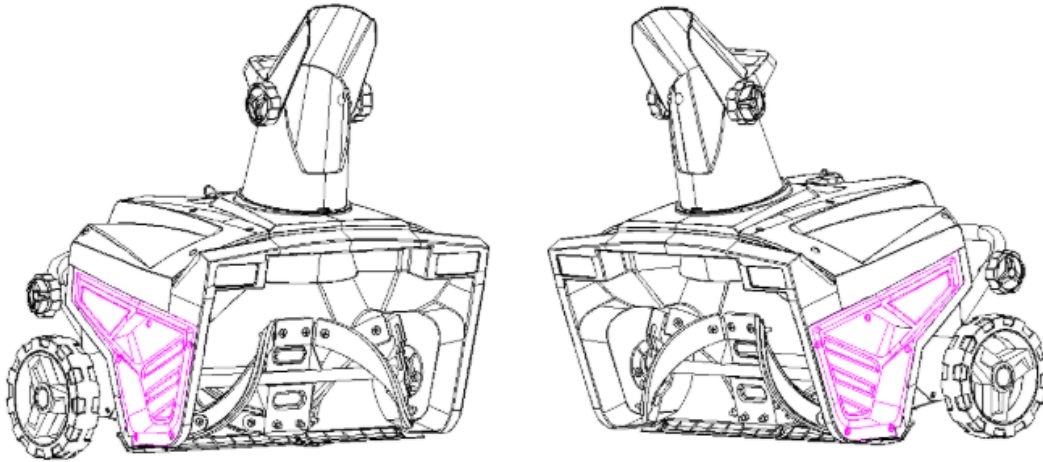
Reinstall the belt, ensuring it is fully seated within the pulley groove.

Step 4 – Reinstall Guard Plates



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Fig4



Reinstall the left and right guard plates.
Secure using the ST4×16 screws.

Final Inspection

Verify all fasteners are properly tightened.
Ensure the belt is correctly aligned and seated.
Rotate the auger by hand to confirm smooth operation and no interference.

Notes

Failure to align the retaining plate correctly may result in improper operation or component damage.
Ensure the belt is fully seated to prevent slippage during operation.

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