



CustomCrimp HS 300 & HS 500 Hose Saws





CustomCrimp® HS Models

The HS300 (3 HP) saw is capable of cutting up to 1-1/4 inch 6 wire or 2 inch 2 wire hose and the HS500 (5 HP) saw is capable of cutting up to 2 inch 6 wire hose with the serrated blade installed.

Installation

Mount the saw on a sturdy workbench.

Make certain that the electric service is correct for the saw. The HS 300 and HS 500 saws are available in:

- 3 HP and 5 HP 220 Volt Single Phase

- 3 HP and 5 HP 220 Volt 3 Phase

- 3 HP and 5 HP 480 Volt 3 Phase

Check the blade rotation. The top of the blade should rotate towards the front of the saw. If rotation is not correct on a 3 phase saw, reverse any two of the hot wires.

Always wear safety Glasses

Allow the blade to reach full speed before starting a cut

Periodically examine the blade for cracks and/or broken teeth.

Replace if necessary.

Do not remove or defeat any of the guards or safety features of the saw

Mister Installation

A Mister Kit (P/N 103172) is available for both the HS 300 and HS 500 Hose Saws. The mister sprays a fine mist of air tool oil on the saw blade for longer blade life and cleaner cuts. Adjust the air pressure and flow control to spray a fine mist on the blade. Addition of a mister kit will give smoother, cleaner cuts and prolong blade life.

Hose Channel System

A Hose Channel System (P/N 103073) is available in 5 foot sections. The Hose Channel System both measures and supports the hoses up to 2 inch diameter as they are being cut.

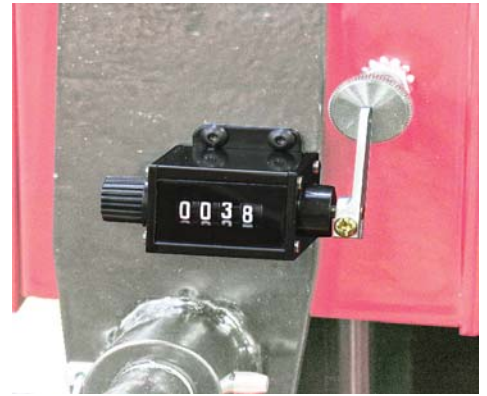
Hose Helper

A "Hose Helper" attachment prevents the hose from being drawn back during a cut and gives the operator the ability to more precisely control the cut length. The "Hose Helper" can be mounted on either end of the saw.



Counter

A resetable counter makes it easy to keep track of the number of cuts made.



Hose Bending Pins

Hose Bending Pins prevent the blade from binding during a cut.

Pins should be positioned in the holes in the saw table such that the hose opens slightly during the cut. Spread the pins further apart for larger hoses.

The hose should begin to bend before contacting the blade. This will increase blade life and keep the hose from tearing and deforming.

Apply steady downward pressure on the handle in order to force the hose into the blade. Do not apply enough force to stall the blade, and ease up on the pressure before the blade completes the cut. This will keep from separating the wires as the blade exits the hose.



Blade Choice

Two blades are available. Choose the correct blade for the type of hose being cut.

Smooth Blade

The double bevel smooth blade (P/N 102210) is recommended for braided hose and will give minimal debris in the cut hose.

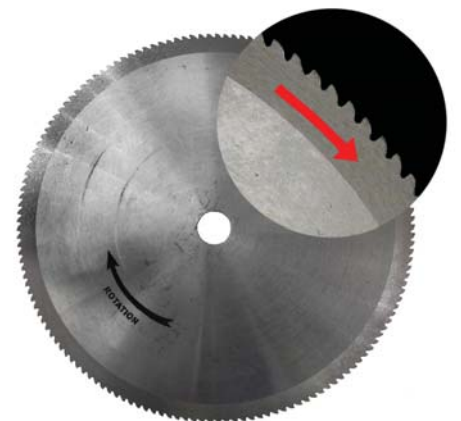


Serrated Blade (General Purpose)

The serrated blade (P/N 103187) is recommended for all spiral hose.

Note: The edges of the blade may appear to be dull. This does not mean that the blade is not effective. As long as the blade is still giving clean cuts, do not replace the blade.

NOTE: PAY CLOSE ATTENTION TO THE DIRECTION OF ROTATION MARKED ON THE BLADE. IT IS THE OPPOSITE OF MOST BLADES OF THIS TYPE.





Change Saw Blade

Remove the 5 screws holding the Side cover in place and remove the side cover.

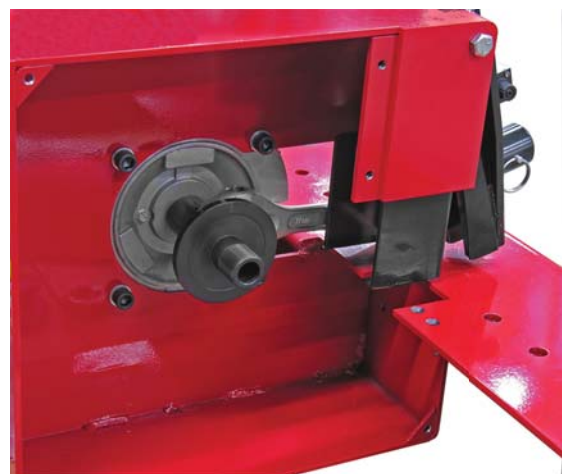
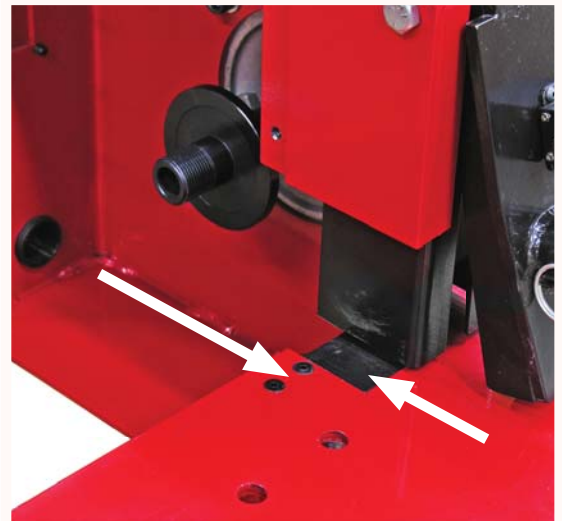
Remove the 2 No 10-24 screws holding the black Saw Blade Access Panel in place and remove the insert in order to provide clearance to remove the blade.

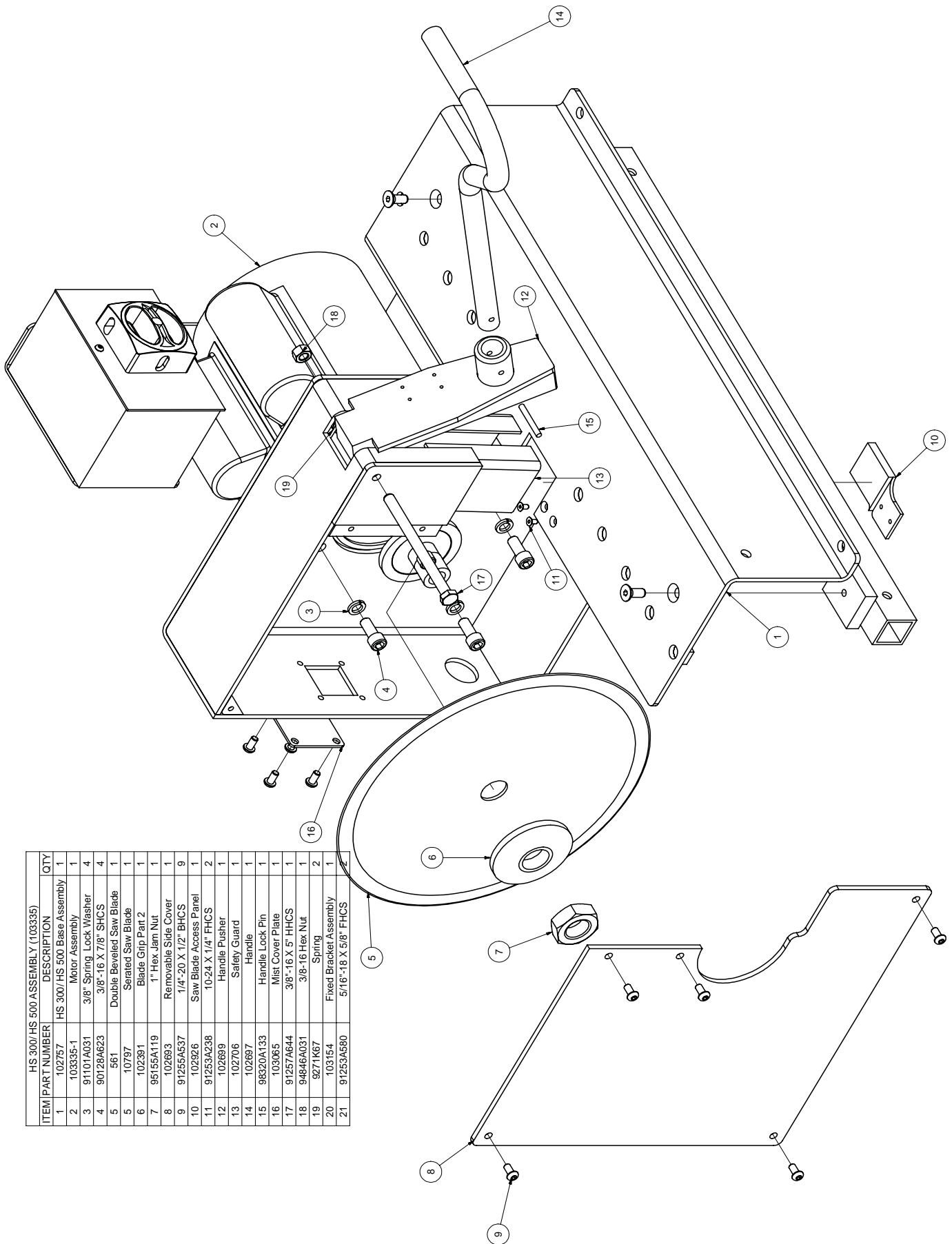
Hold the arbor in place with a wrench and remove the nut holding the saw blade. **(Note that this is a left handed nut)**

When replacing a blade, if the blade has a rotation arrow, make certain that the blade is mounted so that it rotates in the direction of the arrow.

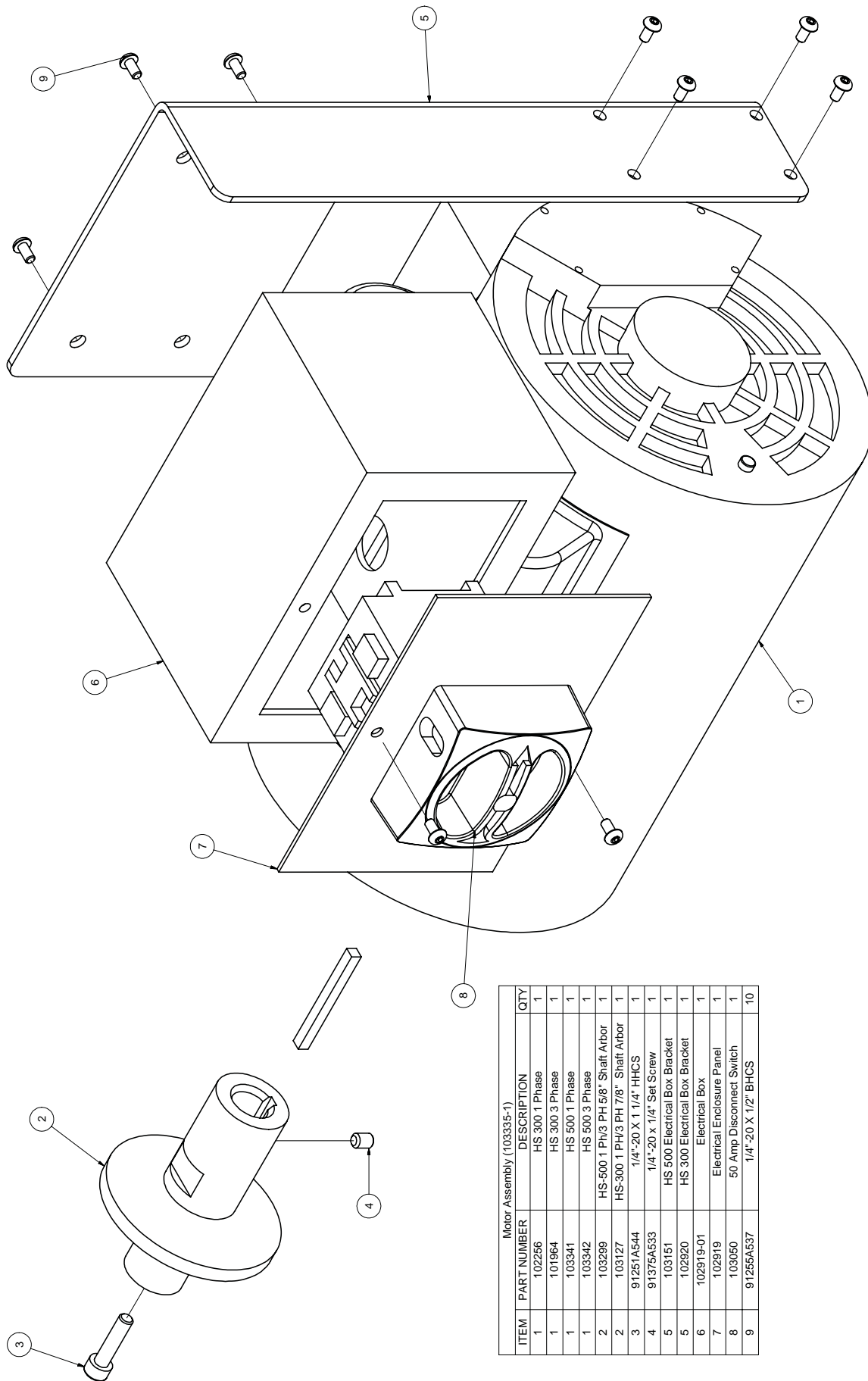
Replace the Saw Blade Access Panel insert and the Side Cover.

**DO NOT OPERATE THE SAW WITHOUT
ALL OF THE GUARDS IN PLACE**

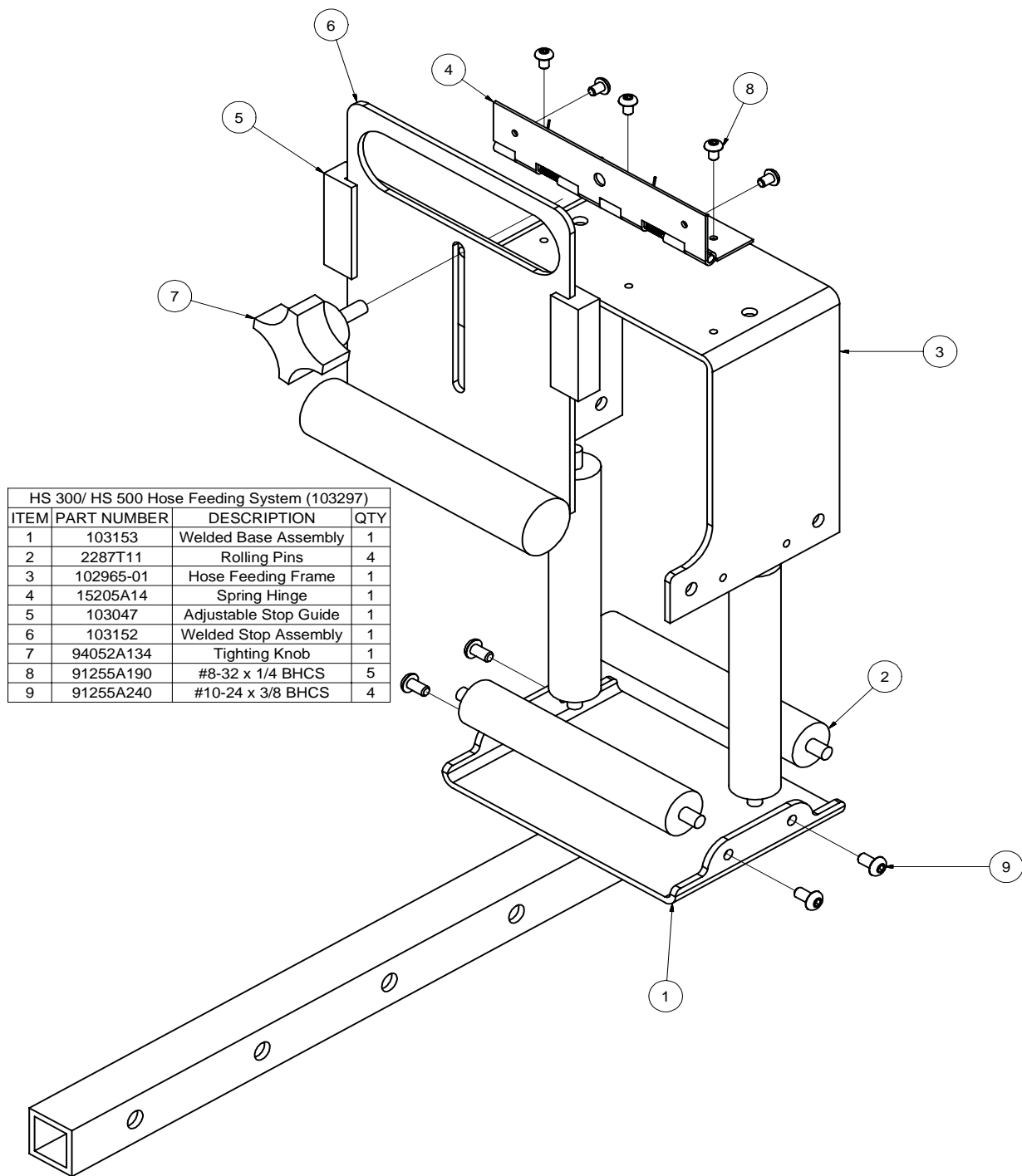




HS 300/HS 500 ASSEMBLY (103335)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	102757	HS 300/HS 500 Base Assembly	1
2	103335-1	Motor Assembly	1
3	91101A031	3/8" Spring Lock Washer	4
4	90128A623	3/8"-16 X 7/8" SHCS	4
5	561	Double Beveled Saw Blade	1
6	10797	Serrated Saw Blade	1
7	102391	Blade Grip Part 2	1
8	95155A119	1" Hex Jam Nut	1
9	102693	Removable Side Cover	1
10	91255A537	1/4"-20 X 1/2" BHCS	9
11	102926	Saw Blade Access Panel	1
12	91253A238	10-24 X 1/4" FHCS	2
13	102699	Handle Pusher	1
14	102697	Safety Guard	1
15	96320A133	Handle Lock Pin	1
16	103065	Mist Cover Plate	1
17	91257A644	3/8"-16 X 5" HHCS	1
18	94846A031	3/8"-16 Hex Nut	1
19	9271K67	Spring	2
20	103154	Fixed Bracket Assembly	1
21	91253A560	5/16"-18 X 5/8" FHCS	2



Motor Assembly (103335-1)			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	102256	HS 300 1 Phase	1
1	101964	HS 300 3 Phase	1
1	103341	HS 500 1 Phase	1
1	103342	HS 500 3 Phase	1
2	103299	HS-500 1 Ph/3 PH 5/8" Shaft Arbor	1
2	103127	HS-300 1 PH/3 PH 7/8" Shaft Arbor	1
3	91251A544	1/4"-20 X 1 1/4" HHCS	1
4	91375A533	1/4"-20 X 1 1/4" Set Screw	1
5	103151	HS 500 Electrical Box Bracket	1
5	102920	HS 300 Electrical Box Bracket	1
6	102919-01	Electrical Box	1
7	102919	Electrical Enclosure Panel	1
8	103050	50 Amp Disconnect Switch	1
9	91255A537	1/4"-20 X 1 1/2" BHCS	10



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