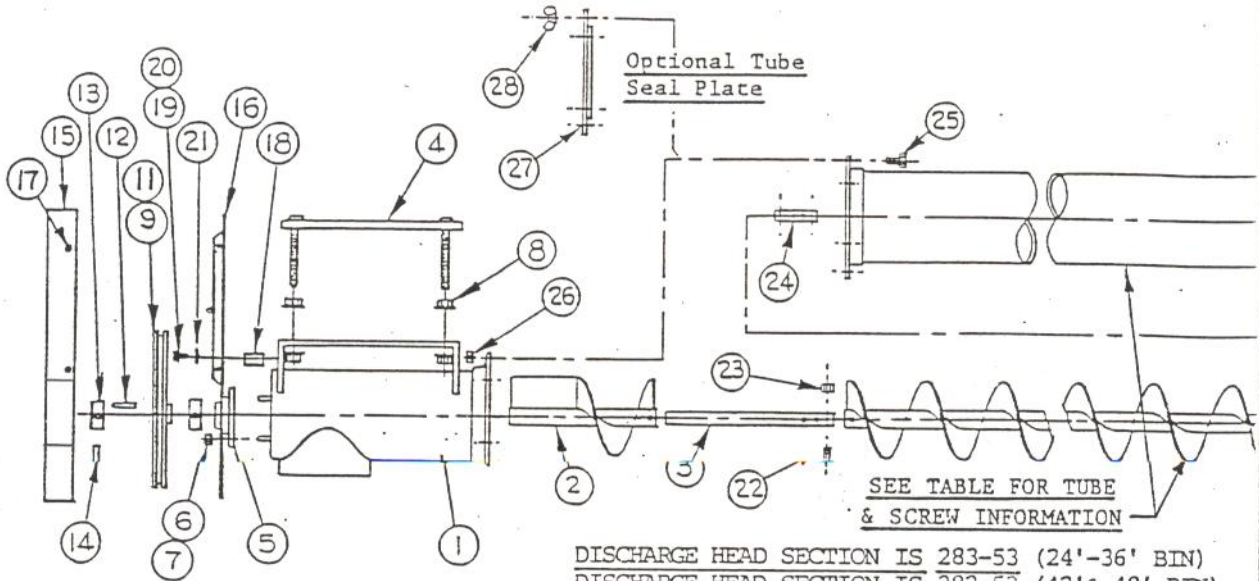


# CARDINAL®



*Powerhead*

## PARTS SHEET FOR 8" BIN UNLOADING AUGER



DISCHARGE HEAD SECTION IS 283-53 (24'-36' BIN)  
DISCHARGE HEAD SECTION IS 282-52 (42' & 48' BIN)

BIN DIA.	24'	27'	30'	36'	42'	48'
TUBE NO.	A21916	A21917	A21918	A21919	A24339	A24344
TUBE LENGTH	14'-0"	15'-0"	16'-9"	19'-8"	22'-6"	25'-6"
SCREW NO.	A24954	A24955	A24957	A24958	A24352	A24353
SCREW LENGTH	14'-6"	15'-6"	17'-3"	20'-2"	23'-0"	26'-0"

NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	A24354	DISCHARGE HEAD	15	A27496	GUARD FACE
2	A24460	DISCHARGE SCREW	16	26999	GUARD BACK
3	24461	DRIVE SHAFT	17	1319	SELF-TAP SCREW 1/4 x 1/2
4	A24413	MOTOR PLATE	18	23021	SPACER
5	A20648	BALL BEARING ASSY	19	1329	HHCS 1/4-20NC x 1-3/4
6	1217	CARR. BOLT 3/8-16NC x 1	20	1271	HEX LOCKNUT 1/4-20NC
7	1274	HEX LOCKNUT 3/8-16NC	21	14769	FENDER WASHER
8	1332	HEX WHIZ NUT 1/2-13NC	22	1201	HHCS 3/8-24NF x 2 GR. 5
9	A21058	V-BELT PULLEY	23	1280	HEX LOCKNUT 3/8-24NF
10	20310	V-BELT (NOT SHOWN)	24	20627	COUPLED SHAFT
11	A21059	V-BELT PULLEY 2 GROOVE	25	1195	HHCS 5/16-18NC x 3/4 GR. 5
12	19179	SQUARE KEY	26	1273	HEX LOCKNUT 5/16-18NC
13	20652	THRUST COLLAR	27	A21937	TUBE SEAL PLATE
14	10023	SPRING PIN	28	1288	WING NUT 5/16-18NC

1. Recommended RPM of 8" Bin Unloading Auger is 375-400. A Motor Pulley of 2.8" O.D. and "B" Section, coupled with Drive Pulley, Key No. 9 or 11 will provide an RPM in this range.
2. In normal operation, Auger Screw exposure will be 6" into the Under-Bin Hopper and the capacity is controlled with a Slide Gate on the Under-Bin Hopper. If a Slide Gate is not used, capacity will have to be regulated by varying the amount of exposed Auger Screw in Under-Bin Hopper.
3. When Discharge Head is removed for any length of time, the Optional Tube Seal Plate, Key No. 27 is recommended to seal off end of Tube. Use 5 Bolts and Wing Nuts.

### A21936 OPTIONAL BIN SEAL PLATE

The Bin Seal Plate provides more support for Auger Tube where it goes through bin wall, and with use of some type of sealing or caulking material between it and bin wall, a better seal of the bin can be made.

