



Stir-Ator Gooseneck and Swivel Replacement Installation Instructions

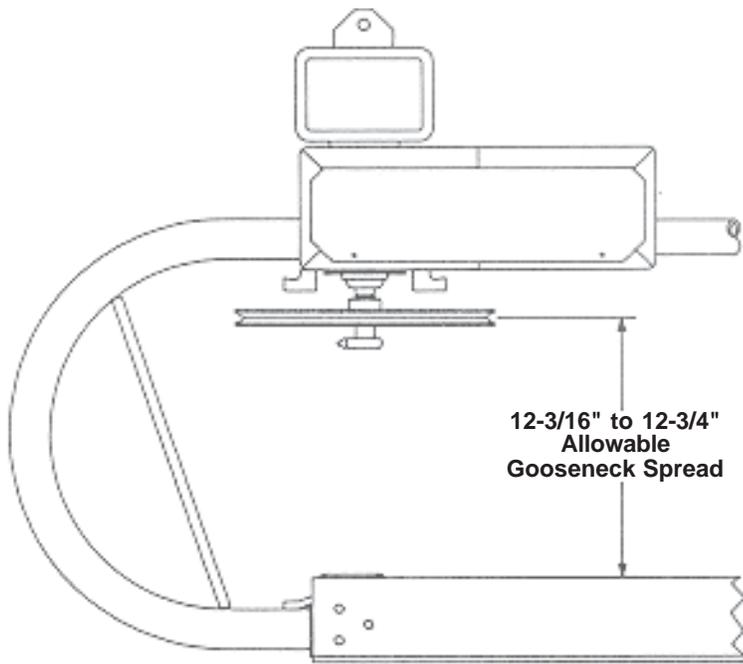
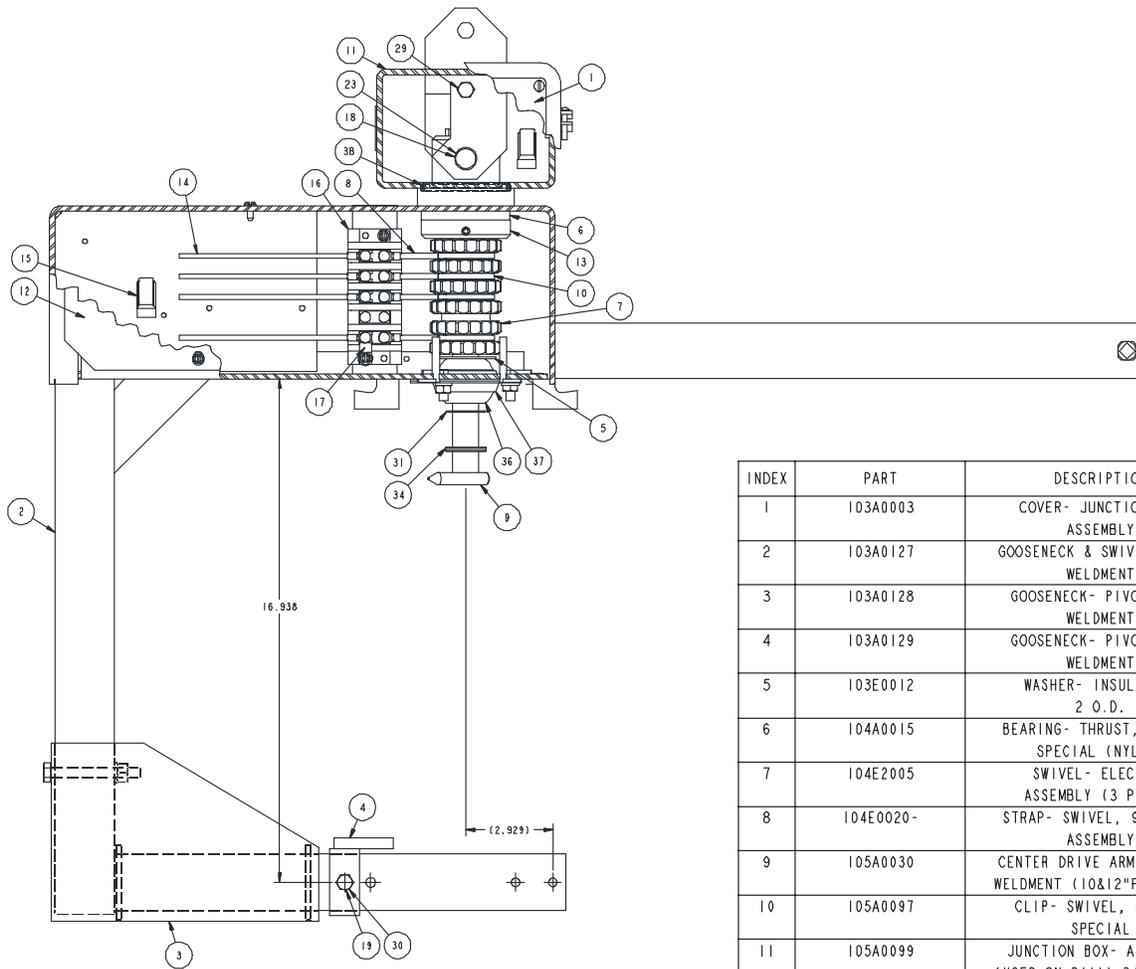
This conversion will now cover either a conversion of the swivel on the 1965-1967 Stir-Ators, or a replacement of damaged goosenecks on 1968-1982 Stir-Ators. It can also be used to allow the installation of the Stir-Guard option to Stir-Ators which were not compatible to the Stir-Guard before. (See your dealer for Stir-Guard information.)

1. Conversion Assembly: Be sure the correct size pulley was ordered. To install pulley, remove the junction box covers and remove the 5/16" bolt. Slide the center drive arm down out of the swivel and remove the upper snap ring and one washer. Slide the pulley (see chart) onto the shaft with the hub up, then replace the washer and snap ring. Carefully slide the shaft up through the swivel so the wires are not pinched or nicked inside the swivel. Secure with the 5/16" hardware. Check the distance between the pivot tube and center of the drive pulley. Adjust it if needed by removing the two bolts in the rectangular tube. (See chart and Diagram #1 to determine narrow or wide spacing.) Measure the inboard frame pivot, if it is 6" long, bolt the pivot stop in the back hole. If it is 4" long, bolt the pivot stop in the front hole, and cut off 1-1/4" of the pivot tube, leaving about 3/8" past the inside small hole for the cotter pin. (See Diagram #2.)
2. Assembly of Conversion to Unit: Disconnect and lockout power to the Stir-Ator and be sure it cannot be accidentally turned on while work is being performed.
3. Support the bridge frame with blocking or other safe support means. This is best done in a full grain bin, otherwise the Stir-Ator may have to be lowered to the bin floor and worked on sitting on sawhorses.
4. Disconnect all wires from the old gooseneck and center pivot junction box.
5. Remove the cable from the center drive pulley.
6. Cut the extension pipe off 14" from the center of the swivel being sure not to nick or cut the yoke wire running inside the tube.
7. Remove the main suspension clevis bolt.
8. Remove the old gooseneck by removing the cotter pin at the inboard frame pivot.
9. Slide the new swivel into the inboard frame pivot. Reinstall the cotter pin and ring (if necessary) at the inboard frame pivot.
10. Insert the yoke wires and extension pipe into the stub pipe of the swivel (on single auger Stir-Ators, the kick-in stop will have to be modified to fit over the stub pipe.)

11. Reinstall the main suspension clevis bolt.
12. Adjust the length of the extension in the stub pipe to make the cable idler pulleys level, then tighten the setscrew in the stub pipe.
13. Rewire the yoke leads to the swivel extension wires and fasten with wire nuts (Diagram #3.) Rewire the junction box connections following the color-coded wires. If you have a single-phase unit cap off the red swivel wire.
14. Put the cable back on and tighten to proper tension.
15. Remove the blocking and readjust the suspension chains so the bridge frame is 1" to 2" higher at the center of the bin than at the bin wall. Run the trolley in and out a complete cycle to be sure it clears everything. Check the adjustment of the tilt-in and tilt-out stops at this time.

Drive Pulley/Drive Arm Specification Chart						
Production Year	No. Of Augers	Drive Pulley Size	Drive Pulley Part No.	Drive Arm Part No.	Pulley To Frame Space	Pivot Tube Length
1968-1978	1	10"	103A0048	103A0056	Narrow	6"
1979-1982	1	10"	103A0048	105A0030	Narrow	4"
1968-1969	2	12"	103A0049	103A0056	Narrow	6"
		OR 14"	OR 103A0050	OR 103A0073	Wide	6"
1970-1978	2	12"	103A0049	103A0056	Wide	4"
1970-1978	3	14"	103A0050	103A0073	Wide	4"
1979-1982	3	14"	103A0050	105A0031	Wide	4"

Drive Pulley & Drive Arm Part No. Cross Reference Chart			
Drive Pulley		Drive Arm	
Current Part No.	Old Part No.	Current Part No.	Old Part No.
103A0048 (10")	B-704	103A0056 (Short)	B-763
	C-1235 H-404-S		C-1240 C-1241
103A0049 (12")	B-762 C-1236		H-408-S
103A0050 (14")	B-826 C-1238 H-405-DT	103A0073 (Long)	B-827 C-1242 H-409-DT



1965 to 1982
Double and Triple Goosenecks

INDEX	PART	DESCRIPTION	QTY
1	103A0003	COVER- JUNCTION BOX ASSEMBLY	2
2	103A0127	GOOSENECK & SWIVEL CONV. WELDMENT	1
3	103A0128	GOOSENECK- PIVOT TUBE WELDMENT	1
4	103A0129	GOOSENECK- PIVOT STOP WELDMENT	1
5	103E0012	WASHER- INSULATING 2 O.D.	1
6	104A0015	BEARING- THRUST, SWIVEL SPECIAL (NYLON)	1
7	104E2005	SWIVEL- ELECTRIC ASSEMBLY (3 PHASE)	1
8	104E0020-	STRAP- SWIVEL, 9.02 OAL ASSEMBLY	4
9	105A0030	CENTER DRIVE ARM & SHAFT WELDMENT (10&12"PUL, 79-P)	1
10	105A0097	CLIP- SWIVEL, SPRING SPECIAL	4
11	105A0099	JUNCTION BOX- ASSEMBLY (USED ON D111) 3/4" ROMEX	1
12	106A052	COVER- SWIVEL BOX ASSEMBLY	2
13	106A055	BUSHING- FLANGED, SWIVEL ASSEMBLY WITH PIN	1
14	106E032	WIRE- JUMPER, STIR GRD BLACK#10 (11" W/TERM)	4
15	1EL0557	WIRE NUT- GRAY, (LARGE)	8
16	1EL0885	TERMINAL BLOCK- DOUBLE 5 TERM, 55 AMP, 600 V,	1
17	1EL0895	TERMINAL BLOCK- JUMPER 11/16" CENTERS	1
18	1FH0728	NUT- LOCK, 1/2-20 UNF NYLON LOCK, PLTD, GRD 2	2
19	1FH0735	NUT- LOCK, 5/16-18 UNC TWO-WAY, PLTD. GRADE 2	1
20	2FH0435	BOLT- SHOULDER, KNURLED SPECIAL, 1/2-20UNF X 1"	2
21	2FH5272	BOLT- HEX, STD THRD-GRD 5 5/16-18 UNC X 1-3/4, PLTD	1
22	2FH5276	BOLT- HEX, STD THRD-GRD 5 5/16-18 UNC X 2-3/4, PLTD	1
23	3FH0568	RING- SNAP, 7/8" EXTERNAL, OPEN TYPE	2
24	3FH0837	BUSHING- (MACH)REG-PLTD 1-3/8 OD X 7/8 ID X 186A	2
25	PT0235	BEARING- BRONZE(BALL) 7/8" ID X 2" OD BALL	1
26	PT0421	FLANGE- THREE HOLE, PLTD 3-3/4" OD, .360" HIGH	2
27	PT0808	SEAL- FOR 2-1/4" SHAFT #22368, #40520S	1

