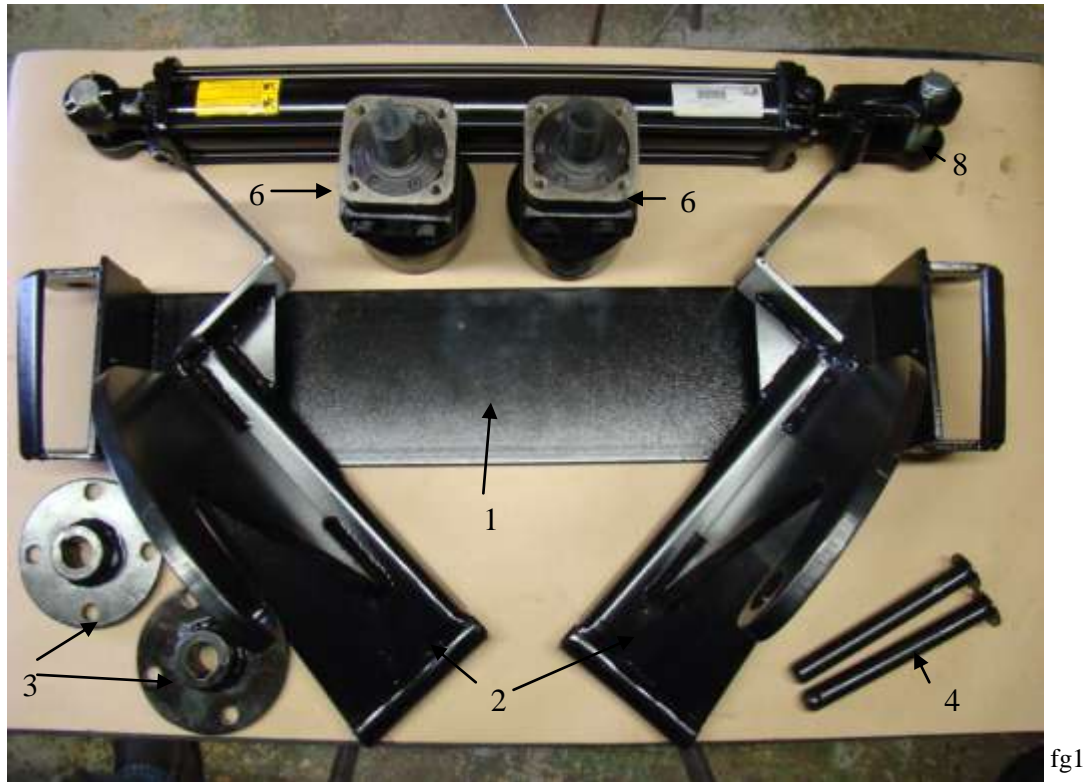


Pro Grain Bagger

Conveyor Mover Kit Instructions



Rear mover bracket and cylinder lug contents



fg1

#	Qty	Part #	Description
1	1	AACM001	Wheel Bracket
2	2	CM020711-A	Cylinder lugs/ motor wheel mount
3	2	CM5-5ODX1.5625ID	Hubs c/w (8) 1/2" x 1 1/2" fn bolt & nut
4	2	AACM002 (Page 3)	3/4" x 6" Lug Pin
5	2	C1/8X2 9//16 (Page 3 0	Hair pins
6	2	CEAT101-1016-009	Wheel Motor
7	4	CS3648-610 (Pictured Pg 4)	Wheel motor Hyd fitting
8	1	CHTR2018	Hydraulic Cylinder
9	2	CS3748-6C(Pictured pg 5)	Hydraulic Cylinder fitting
10	1	C14X174 (Page 9)	1/4" x 174" Hydraulic hose
11	1	C14X192 (Page 9)	1/4" x 192" Hydraulic hose
12	1	C14X180 (Page 5)	1/4" x 180" Hydraulic hose
13	1	C14X198 (Page 5)	1/4" x 198" Hydraulic hose
14	1	C14X74 (Page 5)	1/4" x 74" Hydraulic hose

Hydraulic Contents

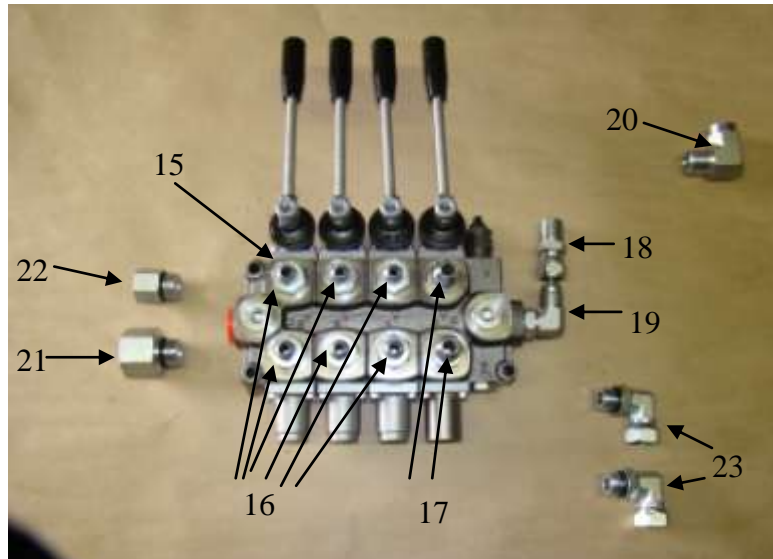


fig 2

#	Qty	Part #	Description
15	1	CQ45/4E-F1SN	Hyspec 4 Valve
16	6	CS3648-68	Hyd fittings
17	2	CS3648-8	Hyd fittings
18	1	CS3520-8	Hyd fittings
19	1	CS3649-8	Hyd fittings
20	1	C1016-D F/F	Hyd fittings
21	1	CS3623-1012	Adaptor for 910 Model 3/4" valves
22	1	CS3623-108	Adaptor for 1010 Model 1/2" valves
23	2	CS01116-8D F/F	Hyd fittings for 910 Model
24	2	C913 (Page 6&11)	1 1/16 x 16" spring
25	4	Page 6&11	1/4 snap rings
26	2	Page 11	1/4" x 1" bolts c/w nylock nut
27	14	Page 10	3/8" x 1" bolts c/w lock washers
28	6	Page 10	3/8" nylock nuts
29	1	AAC016 (Page 11)	Cross over bracket (for 910 Model)
30	1	Page 7	6" x 6" x 3/16" plate (for 1010 Model)
31	6	Page 10	Hose clamps
32	2	Page 9&11	Spring hose clips
33	2	CMST4.80-8 (Page 4)	Tires

Mover Wheel Assembly

Remove the conveyor cover .

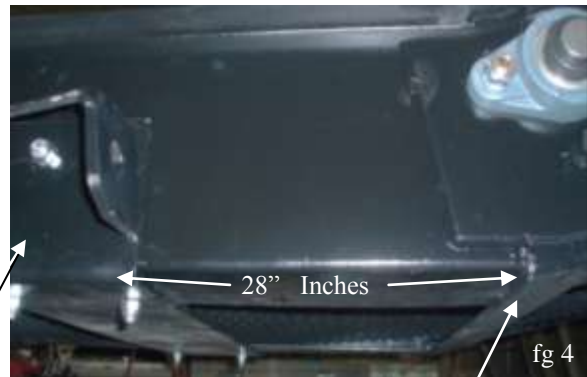
Conveyor cover



fg 3

Measure and clamp the wheel bracket (#1) in place, 28" or less from the 1/4"x 2" cross bar on the underside of the conveyor (found at the bend near the hopper end of the conveyor).

Drill six 3/8" holes at the indicated places on the bracket and secure with the 3/8" x 1" bolts, lock washers and nuts (Four on the bottom and one on each side of the conveyor).



fg 4

(#1) Wheel bracket

1/4"x 2" Cross bar

Note: for 21' conveyors , place the wheel bracket 2" behind the rear transport wheel bracket.

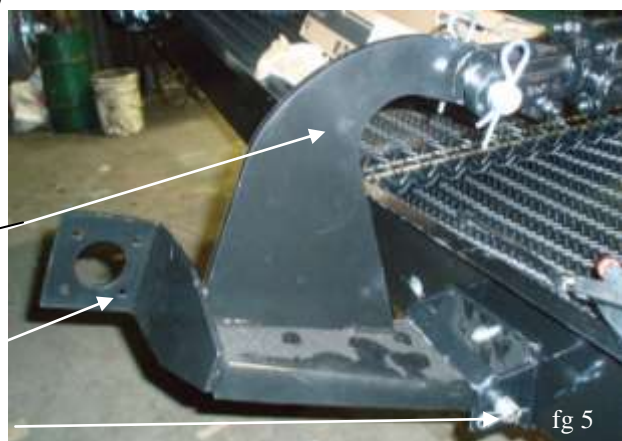
Attach the cylinder lug/motor wheel mounts(#2) to the brackets (#1) using the 3/4" x 6" pins (#4) and the hairpins (#5), one on each side of the conveyor.

Note: The motor mount plate should be closest to the hopper.

(#2) Cylinder lug

(#2) Motor Mount

(#4) 3/4" x 6" Pin , (#5) Hair Pin



fg 5

Mover wheel Assembly

Insert the hydraulic fittings (#7) into the motors (#6). Secure the motors (#6) to the mounts on the cylinder lug/motor wheel mounts (#2), one on each side of the conveyor, using four 3/8"x 1"bolts per motor.

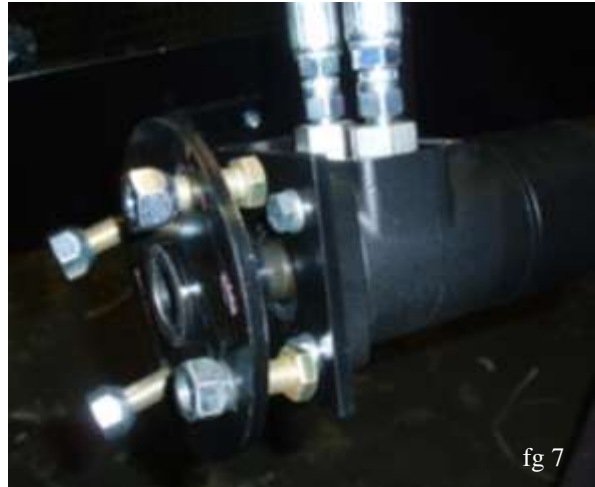
NOTE: The hydraulic fittings must be in the upright position

(#7) Hydraulic fittings



Mount the wheel hubs (#3) onto the motor (#6) shafts with the wheel bolts in place, one on each side of the conveyor.

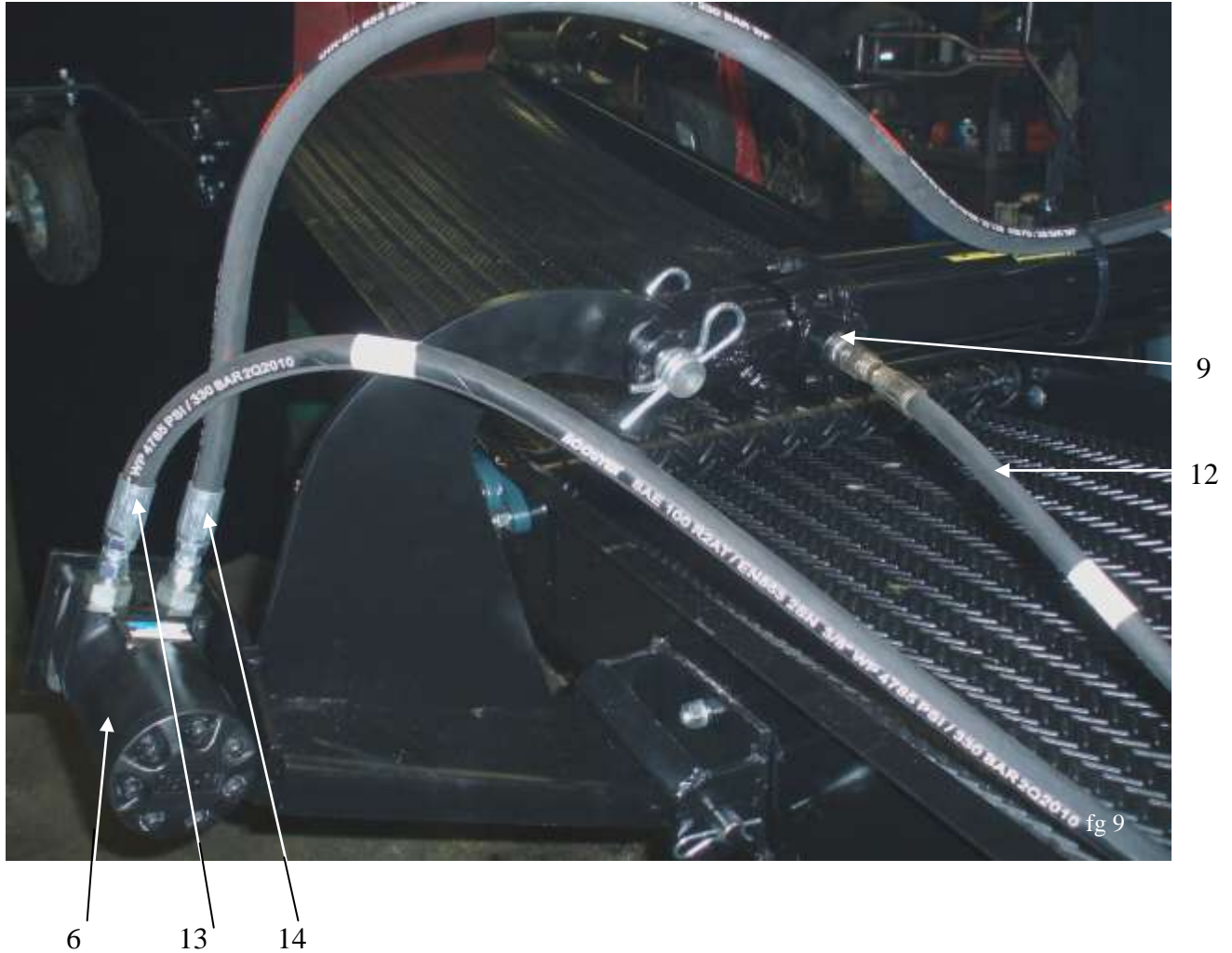
Tighten the set screws on the wheel hubs.



Mount the tires (#33) to the wheel hubs one on each side of the conveyor. Secure with the wheel nuts.



Mover Wheel Assembly



Install the hydraulic fittings (#9) into the cylinder (#8) and secure the cylinder (#8) into place between the lugs (#2).

Attach the 1/4" x 74" (#14) hydraulic hose to the inside port on both wheel motors (#6) crossing the hose over the top of the hydraulic cylinder (#8) and tie in place.

Attach the 1/4" x 198" (#13) hydraulic hose to the outside port on the wheel motor (#6) and the 1/4" x 180" (#12) hydraulic hose to the hydraulic cylinder (#8) on the non hydraulic side of the conveyor. Refer to page 10fig 15 for proper placement of the hoses.

Attach the 1/4" x 192" (#11) hydraulic hose to the outside port on the wheel motor (#6) and the 1/4" x 74" (#10) hydraulic hose to the hydraulic cylinder (#8) on the hydraulic side of the conveyor. Refer to page 10fig 15 for the proper placement of the hoses.

Hydraulic Valve Conversion for 910 Model

- Step One: Remove the hoses from the existing valve assembly.
- Step Two: Remove the hydraulic valve assembly from its mount.
- Step Three: The Cross over bracket (#29) must be mounted to the rear slide bracket on the conveyor (fg10 below) (Rear end is considered the end with the hopper)
Drill a 3/8" hole into the side plate of the crossover (page 7 fg 11) 3" from the rear side and 1 3/4" down and also on the non hydraulic side (page 10 fg15) 2" down and 1" in from the edge.
These holes will be used to secure the hoses (page 10 fg15) with the clamps (#31)
- Step four : Remove the flow control from the old valve body (pg.9 fg 13).
- Step Five : Remove the fitting from the CF port (page 9 fg 13) on the flow control, replace with CS3520-8 (#18) fitting and reattach to the CS3649-8 (#19) fitting on the new valve body
- Step Six: Replace the CS3648-8(#17) fittings on the new valve body (#15) with the supplied CS01116-8 F/F (#23) fittings.
- Step Seven: Remove and reuse the existing 3/4" tee and the check valve from the old valve body. Insert the adaptor CS3623-1012 (# 21) into the new valve body (#15)and reattach the tee and the check valve.
- Step Eight: Reattach the hose from the tee to the flow control, mount the hydraulic assembly onto the crossover bracket (#29)(page 9 fg 13) The flow control will need to be bolted to the crossover (pg 9 fg13) with the 1/4"x2 1/2" bolt and nylock nut.
- Step Nine: Reattach all the hoses (refer to page 8).



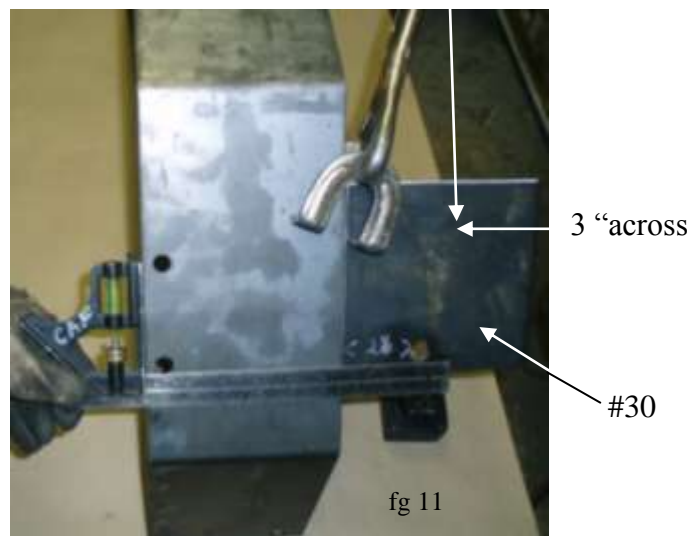
Rear Slide Bracket

fg 10

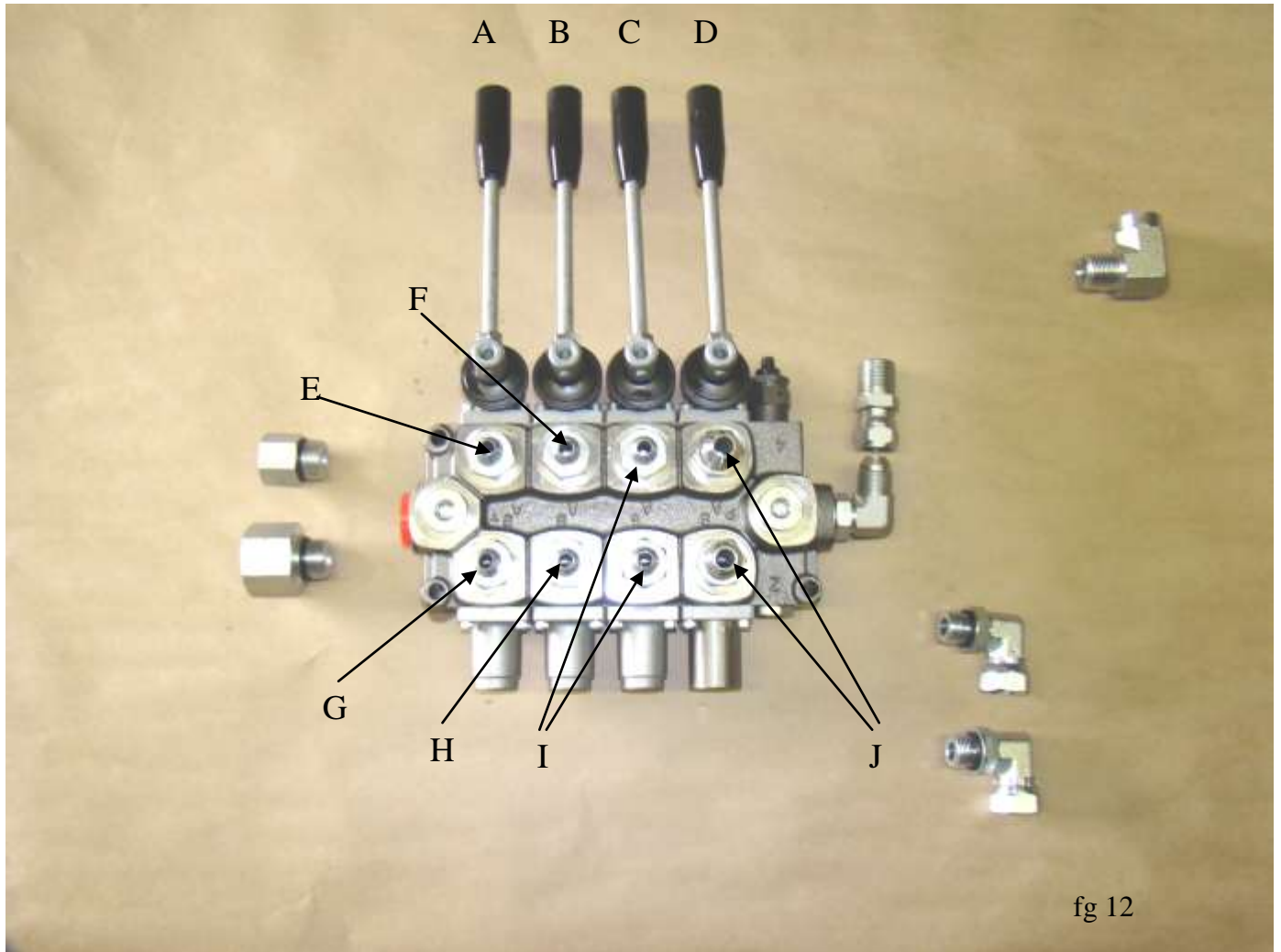
Hydraulic Valve Conversion for 1010 Model

- Step One: Remove the hoses from the existing valve assembly.
- Step Two: Remove the hydraulic valve assembly from the existing crossover bracket.
- Step Three: Locate 6" x 6" x 3/16" plate(#30) to the right hand side of the existing crossover bracket. Line up the existing bottom hole with the hole on the plate so that the center of the hole is 2 3/8" from the crossover bracket.(fg 11) Weld in place. Drill a 3/8" hole into the side plate of the crossover (fg 11) 3" from the rear side and 1 3/4" down and also on the non hydraulic side (page 10 fg 15) 2" down and 1" in from the edge. These holes will be used to secure the hoses (pg 10 fg15)with the clamps(#31)
- NOTE: Make sure the crossover bracket is mounted on the rear slide bracket of the conveyor. (See pg 6 fg 10)**
- Step Four: Remove the flow control from the existing valve body. (pg 9 fg 13)
- Step Five: Remove the fitting from the CF port (pg9 fg 13)on the flow control, and replace it with the CS3520-8(#18) fitting and reattach it to the CS3649-8(#19) fitting on the new four valve body (#15).
- Step Six: Remove and reuse the existing 1/2" tee and check valve from the old valve body. Insert adaptor CS3623-108 (#22) into the new valve body (#15) and reattach the tee and check valve.
- Step Seven: Reattach the hose from the tee to the flow control, mount the hydraulic assembly onto the crossover bracket (#29) (pf 9 fg 13). The flow control will need to be bolted to the cross over. (pg 9 fg 13)
- Step Eight: Reattach all the hoses. Refer to page 8.

drill 3/8" hole approx. 1" down and



Hydraulic Hose Placement



fg 12

#	Description
A	Cylinder
B	Wheels
C	Slide
D	Belt
E	1/4" x 180" #12 hydraulic hose—connects to the mover cylinder #8 on the non hydraulic side
F	1/4" x 198" #13 hydraulic hose—connects to the wheel motor #6 on the non hydraulic side
G	1/4" x 174" #10 hydraulic hose—connects to the mover cylinder #8 on the hydraulic side
H	1/4" x 192" #11 hydraulic hose— connects to the wheel motor #6 on the hydraulic side
I	1/4" x 33" Existing hydraulic hose—connects to the existing slide motor
J	1/2" x 162" Existing twin hose—connects to the existing belt motor

Hydraulic Valve Completed



Flow control

CF Port

Bolt Flow Control
Onto Crossover

fig 13



3'

10

11

2'

Fig 14

Cut the conveyor cover into 3' and 2' sections. Place the two section between the mover cylinder and hopper respectively and secure each.

NOTE: for 21' conveyors cut 27" off of the conveyor cover making sure there is 88" between the crossover bracket and the front of the reinstalled belt cover.

**NOTE:
MOVER KITS WILL NOT FIT CONVEYORS WITH BELT WHEELS**

Hose Clamp Placement

#31

Pulling the hoses snug from the valve (#15) (page 9 fig 13) Secure the hoses (#10 & #11) and (#12 & #13) onto the underside of the crossover (#29), with clamps (#31), using the 3/8" x 1" bolts and nylock nuts.



#31

Two inches from the front end of the conveyor cover, drill a 3/8" hole, one on each side of the conveyor cover, centered between the bends of the cover. Secure hoses (#10, #11—#12, #13) to the sides of the conveyor cover with clamps (#31), using the 5/16" x 1 1/4" bolts and flange nuts.

#31

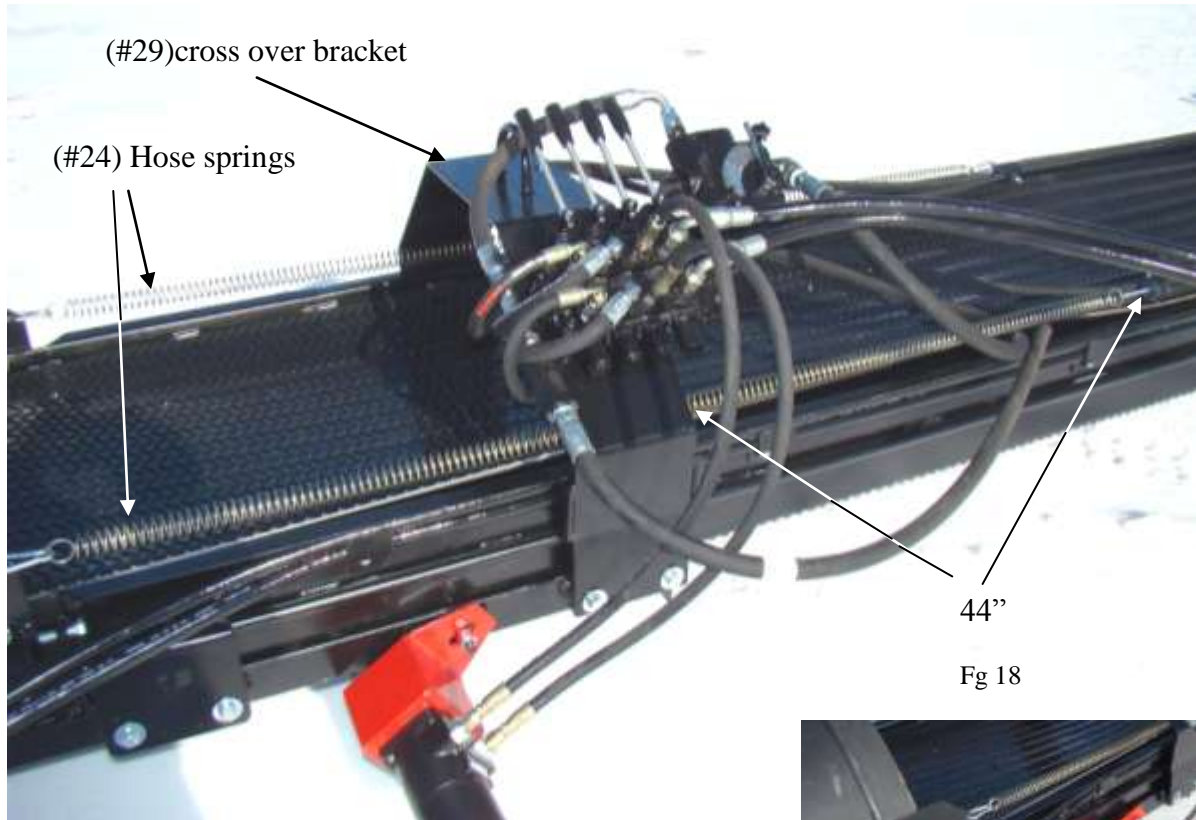


One inch from the rear end of the conveyor cover, drill a 3/8" hole, one on each side of the conveyor, centered between the bends of the conveyor cover. Secure the hoses (#10, #11—#12, #13) on both sides with the clamp (#31) using 5/16 x 1 1/4" bolts and flange nuts

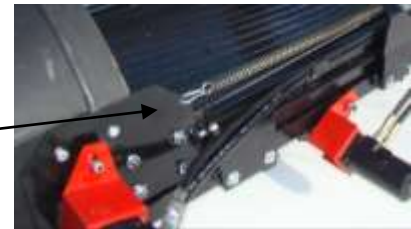
NOTE: Leave enough slack on the hoses (#10 & #12) to compensate for the cylinder (#8) movement when it is operating



Hose Spring Installation

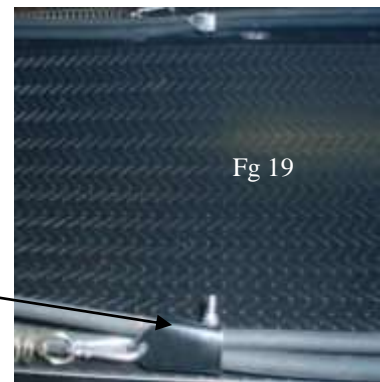


Drill a 5/16" hole in the head pulley plate.
One on each side of the conveyor.



Attach the hose clips (#32) to the 1/4" hoses (#10,#11—#12,#13) using the 1/4" X 1" bolts and nylock nuts, one on each side of the conveyor, at least 44" from the cross over bracket toward the hopper end (rear end) of the conveyor. (fg 18)

Note: The spring hose clip (#32) must be in this position to operate properly.



Attach the 1/4" snap rings (#25) and the springs (#24) to the head pulley plates and the hose clips (#32) one on each side of the conveyor. The hose springs (#24) must run along the inside of the bracket (# 29). (See top photo)