# **PARTS**



#### W.K. DAHMS MFG. LTD.

P.O. BOX 520 3074 SAWMILL RD. ST. JACOBS, ONTARIO CANADA N0B 2N0

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## Index

14" Conveyor Discharge End	24
14" Conveyor Drive Assembly	
14" Conveyor Feed End	
14" Conveyor Feed End Parts	23
18" Conveyor Discharge End	
18" Conveyor Discharge End Parts	28
18" Conveyor Drive Assembly	
Bearings & Adjuster Rods	
Belt Pulleys	2
Decal Sets	37
Endless Conveyor Belts	1
Exhaust	31
Extension Skirting Rubber & Rails	29
Fenders & Mud Flaps	
Filter Assemblies & Replacement Elements	
Hold Down Assemblies	36
Hydraulic Cylinders & Replacement Rods	11
Idler Rolls.	
Lubrication & Maintenance Schedule	40
Notes	44
Oil Cooler Fans	13
Oil Reservoir Parts	14
PTO Controls	15
Pumps	
Radio Remote Valve Circuit Schematic	43
Replacement Procedure for 14" Belt	38
Replacement Procedure for 18" Belt	
Rotary Spool, Throttle Cables & Accessories	
Skirting	
Standard Hydraulic Circuit Schematic	41
Super-Shield	
Swing Frame Assembly	17
Swing Frame Countershaft Assembly	18
Swing Frame Parts	
Swing Frame Yoke & Bumper Lug Assemblies	20
Swing Frame-Bare	
Tandem Pump Hydraulic Circuit Schematic	42
Tarp-Power Components	
Tarp Parts	
Tarps & Arched Ribs	
Valves-Miscellaneous	
Valves-Mono Cast Multisection	
Valves-Valvoil Multisection	8
Vibrators	

## **Endless Conveyor Belts**

18"x38'-0" Main Body Belt #18X38SM

- Model 16

18"x42'-0" Main Body Belt #18X42SM

- Model 18

18"x45'-4" Main Body Belt #18X45-4SM

- Model XL16

- Model XL18

- Model 20

14"x34'-5" 17' High Speed Outer Conveyor Frame

- #14X34-5SM (Smooth Cover)

- #14X34-5CV (Chevron Cover)

14"x38'-5" 19' High Speed Outer Conveyor Frame

- #14X38-5SM (Smooth Cover)

- #14X38-5CV (Chevron Cover)



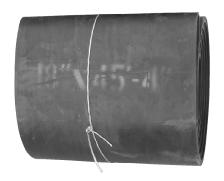




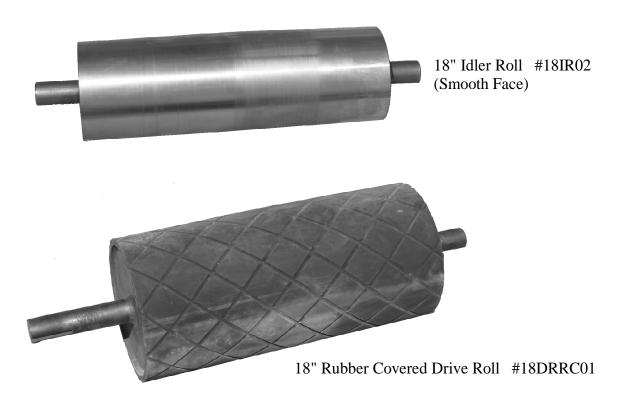


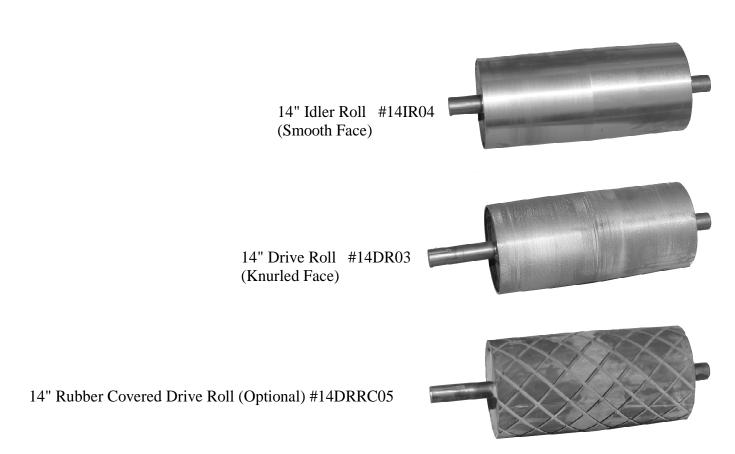






## **Belt Pulleys**

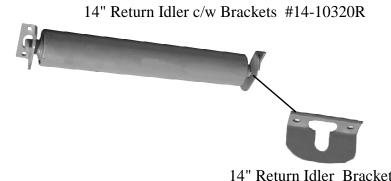




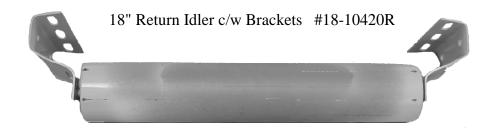
## **Idler Rolls**

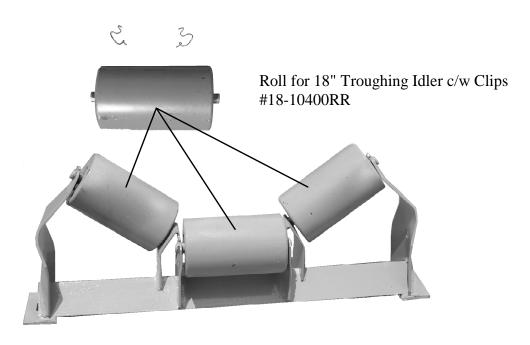


14" Troughing Idler #14-1030V



14" Return Idler Brackets #14-10263RB





18" Troughing Idler Assembly #18-10402T

## **Bearings & Adjuster Rods**

All bearings must be greased weekly

Swing Frame Counter Shaft **Bottom Bearing** 

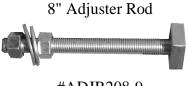


#UCFL208-24

Swing Frame Counter Shaft Top Bearing with Adjuster (This bearing is compatible with all swing frames built to date and is recommended as a replacement for old style top bearings with *take-up plate)* 



18" Main Conveyor Discharge End Bearing



#ADJR208-9



#UCT208-24

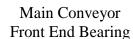
14" High Speed Conveyor Bearing



#HCST207-20-1

On Units Built Prior To January 2003 Use:

UCT207-20 High Speed Conveyor Bearing





#UCP208-24

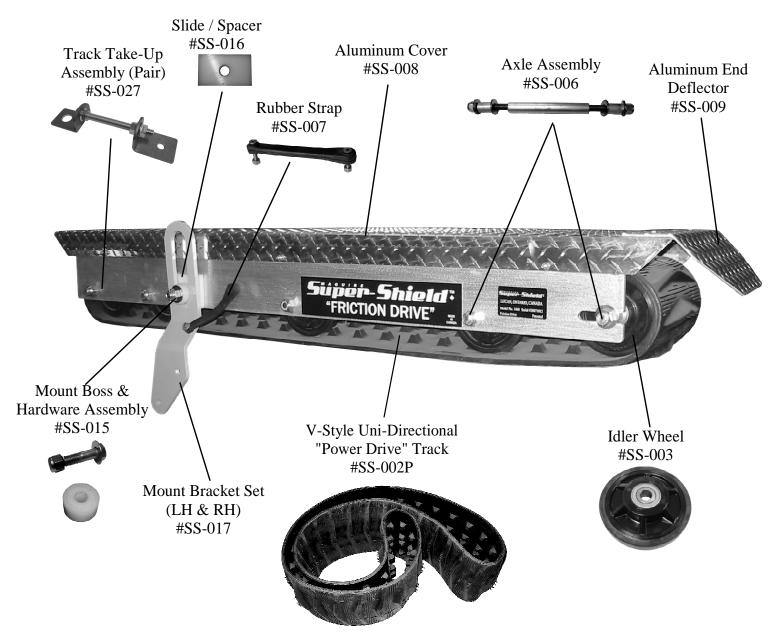
1/2-13x4" Adjuster Screw

#ADJR1/2-4

## **Super-Shield "Friction Drive"**

#### Complete

Super-Shield Assembly #SS-014



On the "Friction Drive" application we are recommending using the "Power Drive" track installed and run in the opposite direction to the directional indicator arrows moulded into the belt.

This reduces the amount of spray coming off the discharge end of the Super-Shield.

This "Power Drive" style of track also has a much longer life span than the "Friction Drive" moulded track.

## **Pumps**

#### IMPORTANT NOTICE

Remove the hydraulic pump from the P.T.O. to lubricate the splined shafts every 3 months or 500 hours of truck operation.

of these bolts

Commercial P20 Pump (Single) Stone Slinger Serial Number up to 083198 uses 7/8"-13 Spline Stone Slinger Serial Numbers after above uses 1"-15 Spline



7/8"-13 Spline #P20-7/8-13 1"-15 Spline #P20-1.0-15

Commercial P50 Dry Valve Pump (Dry Valve Ordered Separate)



#P50-RPLPMP Call when ordering for correct applications of pump. Please have Stone Slinger serial number.

Note: Pump must be supported at the rear off

We are a supported at the rear off

Note: Pump must be supported at the rear off

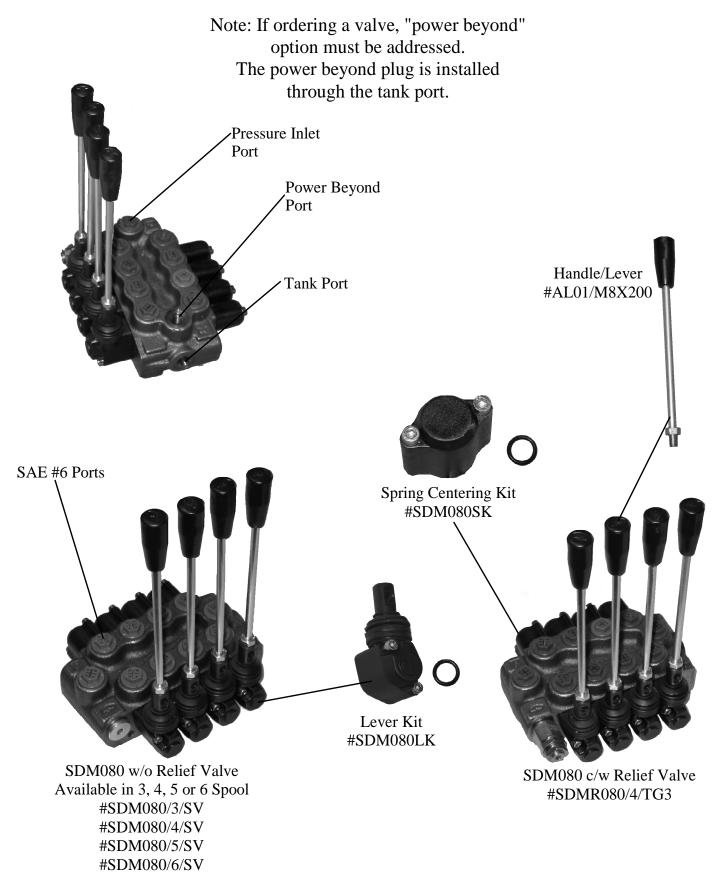


Commercial Dry Valve #DV316 9414 001



Tyrone Dry Valve #DVER-200

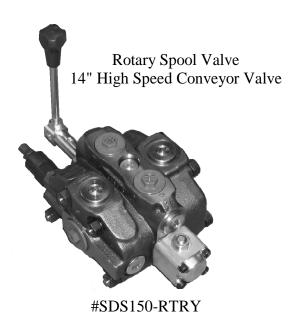
#### **Mono Cast Multisection Valves**

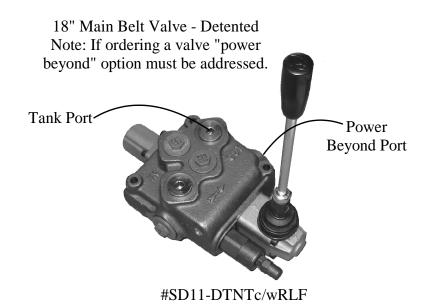


## **Multisection Hydraulic Valves Used Prior To Late 2000** Note: If ordering a valve, "power beyond" option must be addressed. The power beyond plug is installed through the tank port Valvoil Spring Centering Kit Handle/Lever #SD6SCK #AL01/M8X200 Tank Port Power Beyond Port (in end) 9 Section Valve Assembly #SD6/9/TG3 8 Section Valve Assembly #SD6/8/TG3 7 Section Valve Assembly #SD6/7/TG3 Valvoil SD6 Lever Kit #SD6LK-8MM Pressure Inlet SAE #8 Ports Port Valvoil SD6 Boot

#SD6BOOT

#### **Miscellaneous Valves**









#FLDFC51-12SAE or #FLDFC51-3/4NPT (old style)

Flow Divider





## Filter Assemblies & Replacement Elements

Radio Valve Return Filter Assembly #FMSSF-120-25-1/SF-6721

Replacement Spin On Filter #SF-6721



Old Style Filter Assembly #07885001



Filter Seal Kit #01575/01576



<del>1</del>01575/01576



Replacement Filter Element #K-23027



Twin Spin On Supply Filter Head c/w Filters #SSF-25-05-01/SF-6711

Replacement Spin On Filter #SF-6711

#### **Hydraulic Cylinders & Replacement Rods**

Seal Kit #U17587 - Complete - 1 1/2"Rod / 3" Bore Seal Kit #U13530 - Rod Only - 1 1/2"Rod / 3" Bore

Seal Kit #U24170 - Rod Only - 1 1/2"Rod / 2 1/2" Bore



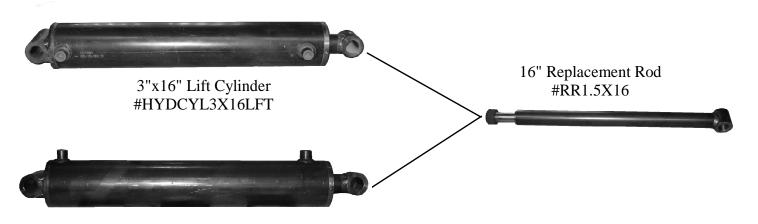
2 1/2"x12" Gate Cylinder #HYDCYL2.5X12



9" Replacement Rod #RR1.5X9



12" Replacement Rod #RR1.5X12



3"x16" Swing Cylinder (Old Style Swing Frame) #HYDCYL3X16SWG



16" Replacement Rod for Tie Rod End #RR1.5X16TRD



## **Vibrators**

Hydraulic Vibrator Assembly #NHD-110



Hydraulic Vibrator Motor #MGG200



MGG200 Seal Kit #K-29001-D

Electric Vibrator Assembly #DC3500



Replacement Motor Assembly Includes Case, Fields, & Armature #1500-47-1/48

#### **Oil Cooler Fans**

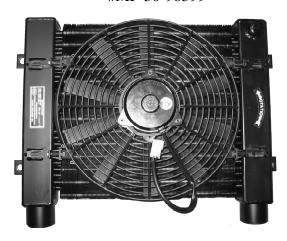


Fan Relay #RLY-194

Optional Fan Controller #025090-140P



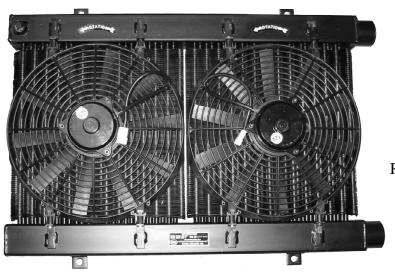
MF30 Oil Cooler #MF-30-98399



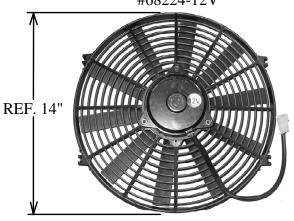
Fan Switch #SW5582-10 Toggle Boot #BT81264 Junction Box #JCN82-1000



MF60 Oil Cooler #MF-60-98400



MF30/MF60 Motor Fan & Guard #68224-12V



Note: Some units built prior to March 1998 use a 12" diameter fan #68229-12V

## **Oil Reservoir Parts**

Oil Reservoir Filler Breather Assembly #ABB-10-N



Oil Reservoir Level Gauge Old Style #SL1215



Oil Reservoir Level Gauge #ORLG0606



#### **PTO Controls**



TG Series Standard Air Shift Kit #48M61250-A



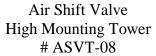
Dry Valve Air Pressure Sensing Unit #FSC-1749-2134



PTO Ground Sending Unit (Black) #30T38110 (A3 Arrangement)



PTO Ground Sending Unit (White) #30T38111 (A1 Arrangement)

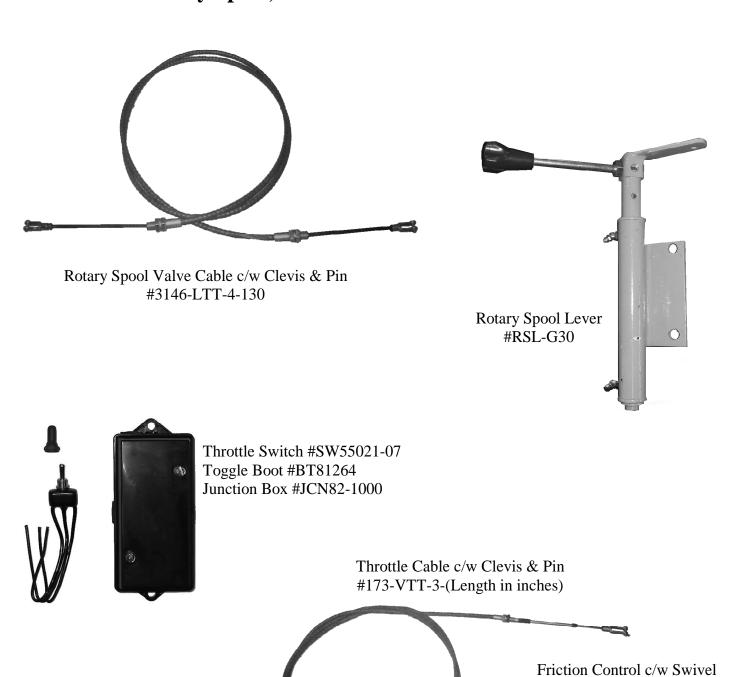




Air Shift Valve Low Mounting Tower #ASVT-05



## **Rotary Spool, Throttle Cables & Accessories**

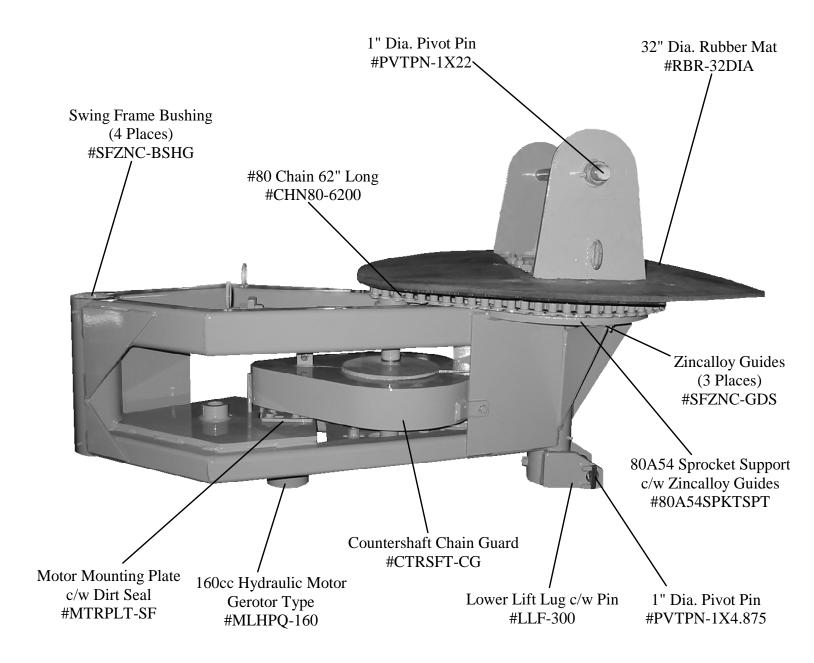


Throttle Box . #THRTLBX-01

#C72726

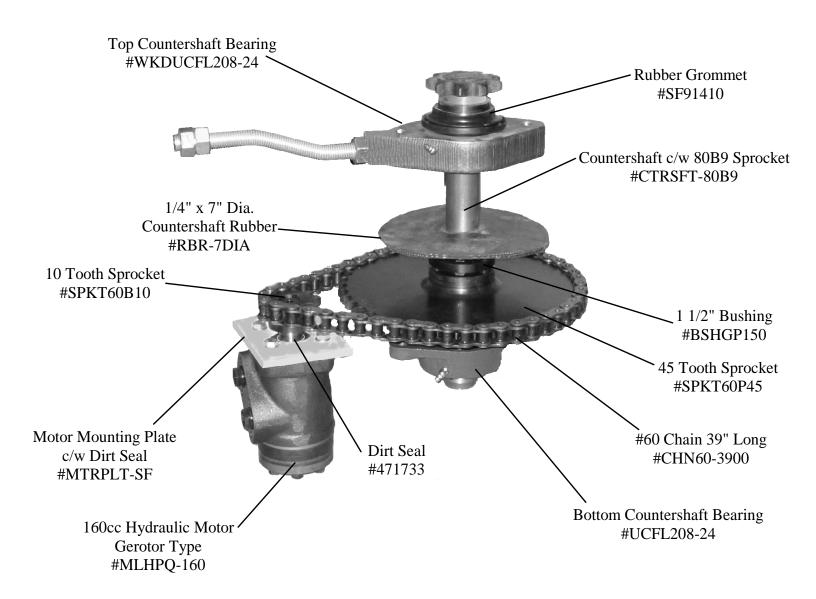
## **Swing Frame Assembly**

#SFA-2001 as shown #SFA-2000 oldstyle for pin eye cylinder



<sup>\*\*</sup>See Following Pages For Swing Frame Sub Assemblies\*\*

## **Swing Frame Countershaft Assembly**



## **Swing Frame Parts**



Swing Frame Bushing #SFZNC-BSHG

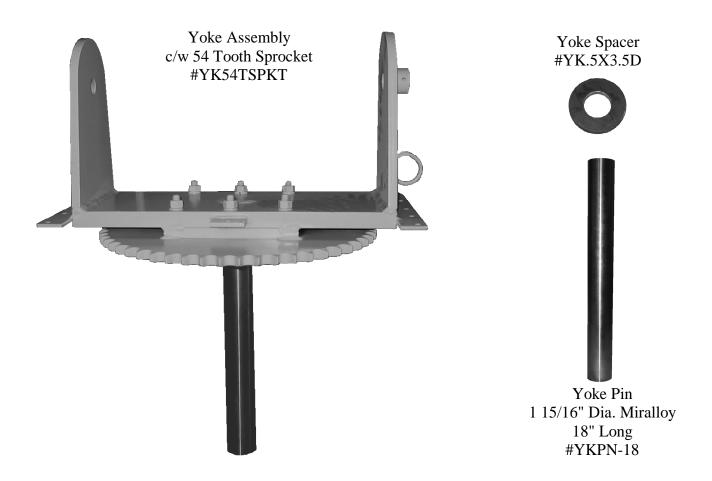






Zincalloy Guides c/w Grease Bolt &Hardware #SFZNC-GDS

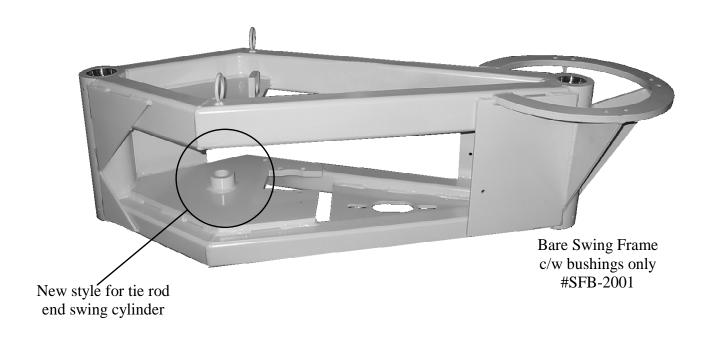
## **Swing Frame Yoke & Bumper Lug Assemblies**

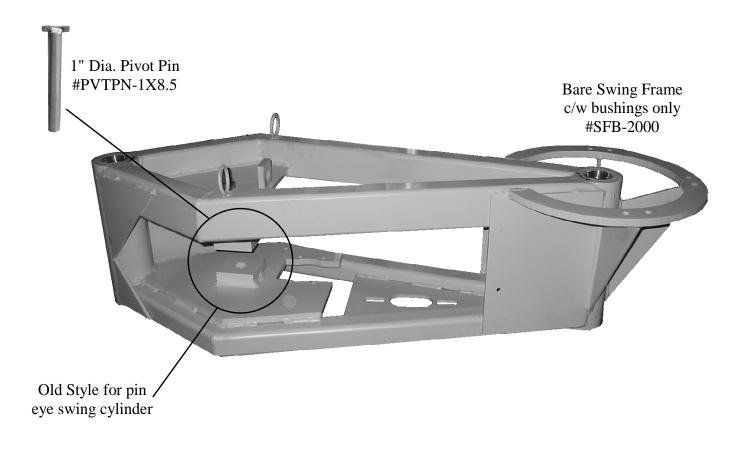






## **Bare Swing Frames**

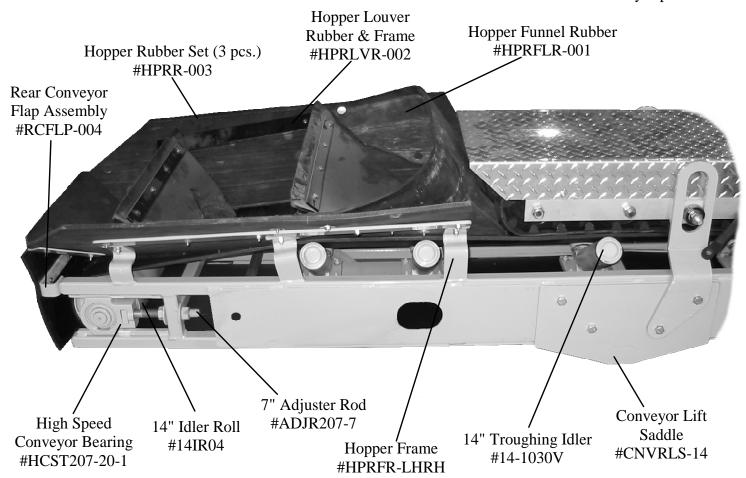




#### 14" Conveyor Feed End

19' Complete Conveyor c/w Chevron Belt #CNVR-19CV
19' Complete Conveyor c/w Smooth Belt #CNVR-19SM
17' Complete Conveyor c/w Chevron Belt #CNVR-17CV
17' Complete Conveyor c/w Smooth Belt #CNVR-17SM
19' Bare Conveyor Frame #CNVR-19FRM
17' Bare Conveyor Frame #CNVR-17FRM

Super-Shield shown for representative purposes only, not included in complete conveyor part numbers



On Units Built Prior To January 2003 Use:

#UCT207-20 High Speed Conveyor Bearing

## 14" Conveyor Feed End Parts

Hopper Louver Rubber & Frame #HPRLVR-002



Elevator Bolts Supplied As Required

1/4-20x1 1/2" Long #ELVB-150

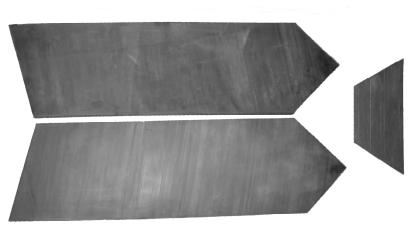
1/4-20x2" Long #ELVB-200

Hopper Funnel Rubber #HPRFLR-001

Rear Conveyor Flap Assembly #RCFLP-004







Hopper Rubber Set (3 pcs) #HPRR-003

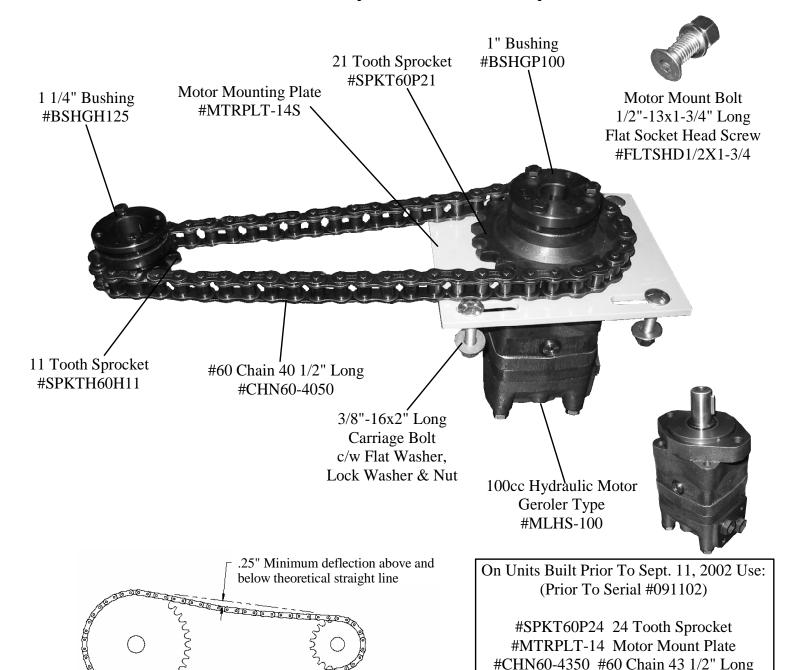


#### 14" Conveyor Discharge End

19' Complete Conveyor c/w Chevron Belt #CNVR-19CV
19' Complete Conveyor c/w Smooth Belt #CNVR-19SM
17' Complete Conveyor c/w Chevron Belt #CNVR-17CV
17' Complete Conveyor c/w Smooth Belt #CNVR-17SM
19' Bare Conveyor Frame #CNVR-19FRM
17' Bare Conveyor Frame #CNVR-17FRM

On Units Built Prior To January 2003 Use: **#UCT207-20 High Speed Conveyor Bearing** 14" Troughing Idler High Speed 7" Adjuster Rod #14-1030V **Conveyor Bearing** #ADJR207-7 #HCST207-20-1 #60 Chain 40 1/2" Long #CHN60-4050 14" Drive Roll #14DR03 1 1/4" Bushing #BSHGH125 Motor Mounting Plate #MTRPLT-14S 11 Tooth Sprocket #SPKTH60H11 1" Bushing #BSHGP100 21 Tooth Sprocket 14" Drive Chain Guard **#SPKT60P21** c/w Hinges #CHNGRD-14 On Units Built Prior To Sept. 11, 2002 Use: Rubber Chain Guard (Prior To Serial #091102) Latch Kit #7721636 #SPKT60P24 24 Tooth Sprocket #MTRPLT-14 Motor Mount Plate #CHN60-4350 #60 Chain 43 1/2" Long

## 14" Conveyor Drive Assembly

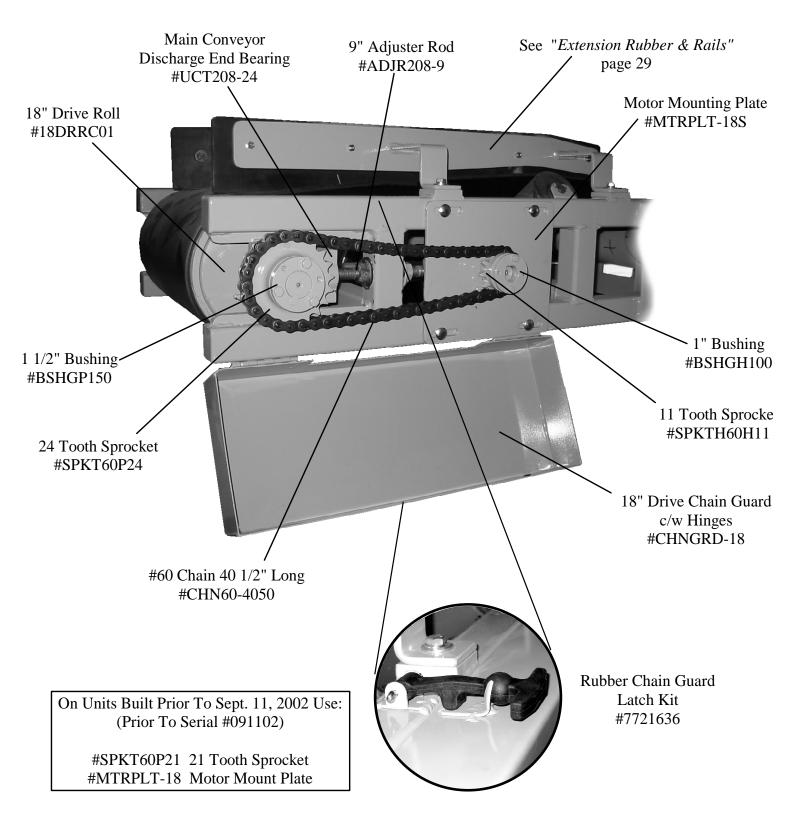


Before installing a new motor, ensure that the oil in your system is clean and that it has not been overheated due to previous pump, motor or system problems. Poor oil will result in the shortened life of a new motor. If the oil needs replacing use only Dexron III (automatic transmission fluid).

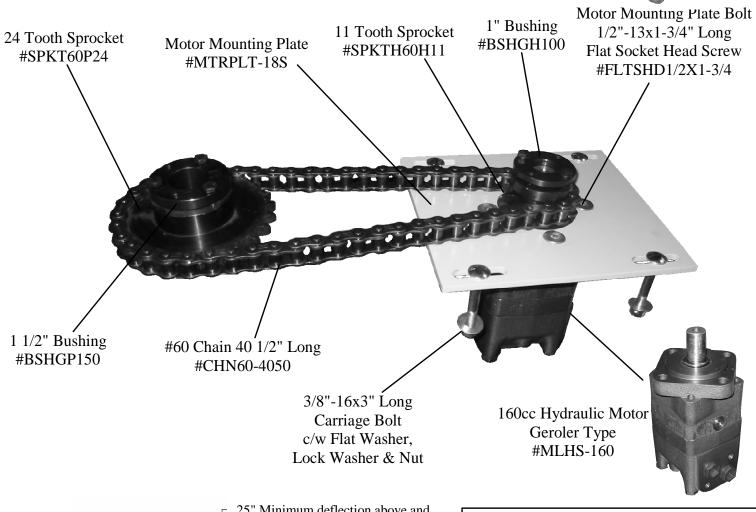
When installing, ensure that the hubs and sprockets are properly aligned to avoid excessive thrust and/or radial loads. Although the sprocket/hub must fit the shaft snug, a hammer should never be used to install onto the shaft. Once all system connections are made, the motor must be run for 10-15 minutes with no load (without the chain installed) both directions to remove air from the system and "break in" the motor. Failure to do this may result in immediate or premature motor failure. The number one reason for premature motor failure is due to excessive radial loads due to overtight drive chains. Drive chains should be adjusted so that you have a minimum of a 1/4" deflection of chain above and below a straight line between sprockets. Over tightening of chain will lead to motor failure and exceptionally loose chains will lead to excessive sprocket and chain wear. Please maintain above mentioned chain adjustment.

#FLTSHD3/8X3/4 Motor Mount Bolt #MLHRQ-100 Hydraulic Motor

## 18" Conveyor Discharge End



#### 18" Conveyor Drive Assembly



.25" Minimum deflection above and below theoretical straight line

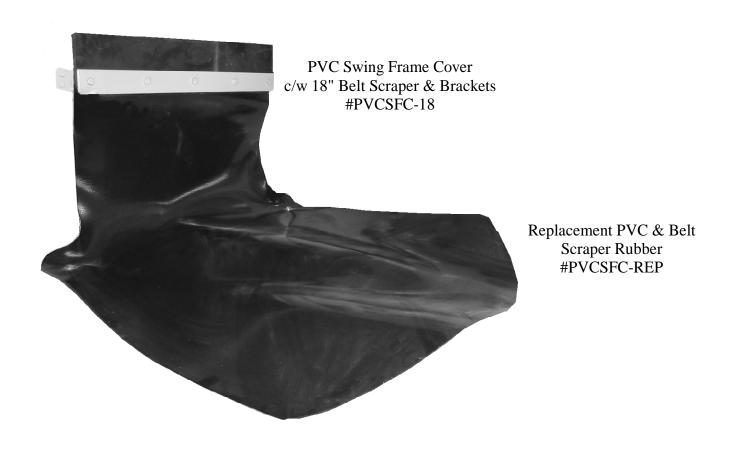
On Units Built Prior To Sept. 11, 2002 Use: (Prior To Serial #091102)

#SPKT60P21 21 Tooth Sprocket #MTRPLT-18 Motor Mount Plate #FLTSHD3/8X3/4 Motor Mount Bolt #MLHPQ-160 Hydraulic Motor

Before installing a new motor, ensure that the oil in your system is clean and that it has not been overheated due to previous pump, motor or system problems. Poor oil will result in the shortened life of a new motor. If the oil needs replacing use only Dexron III (automatic transmission fluid).

When installing, ensure that the hubs and sprockets are properly aligned to avoid excessive thrust and/or radial loads. Although the sprocket/hub must fit the shaft snug, a hammer should never be used to install onto the shaft. Once all system connections are made, the motor must be run for 10-15 minutes with no load (without the chain installed) both directions to remove air from the system and "break in" the motor. Failure to do this may result in immediate or premature motor failure. The number one reason for premature motor failure is due to excessive radial loads due to overtight drive chains. Drive chains should be adjusted so that you have a minimum of a 1/4" deflection of chain above and below a straight line between sprockets. Over tightening of chain will lead to motor failure and exceptionally loose chains will lead to excessive sprocket and chain wear. Please maintain above mentioned chain adjustment.

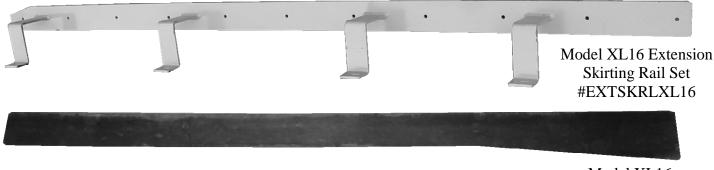
## 18" Conveyor Discharge End Parts



18" Conveyor Chute & Bracket #CCB-18



## **Extension Skirting Rubber & Rails**



Model XL16 Extension Rubber Set #EXTSKRBRXL16



Model XL18 Extension Skirting Rail Set #EXTSKRLXL18

Model XL18 Extension Rubber Set #EXTSKRBRXL18



Model 16 Extension Skirting Rail Set Model 18 Extension Skirting Rail Set Model 20 Extension Skirting Rail Set #EXTSKRL16-20

Model 16 Extension Rubber Set Model 18 Extension Rubber Set Model 20 Extension Rubber Set #EXTSKRBR16-20

## **Skirting**



All Fusion 6000 Skirting is for Stone Slingers with a 12" wide trough

16' Fusion 6000 Skirting Set (2 pcs) #16-FUS6000

18' Fusion 6000 Skirting Set (2 pcs) #18-FUS6000

20' Fusion 6000 Skirting Set (2 pcs) #20-FUS6000

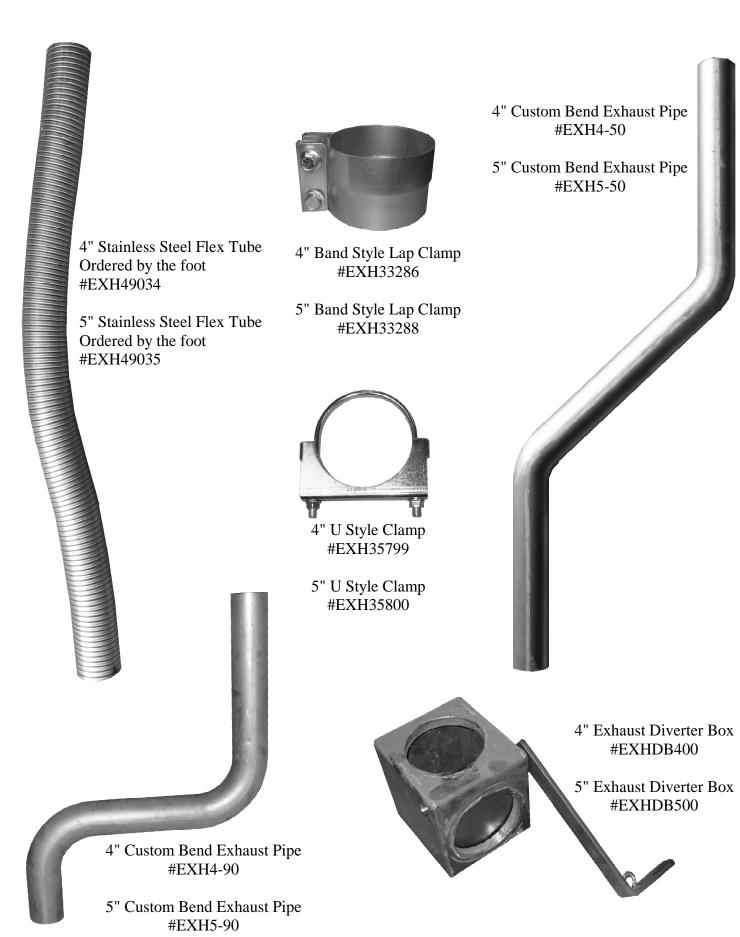
3 1/2" Wide Skirting for Stone Slingers with a 9" wide trough

16' Rubber Skirting Set (2 pcs) #16-RBRSKRT

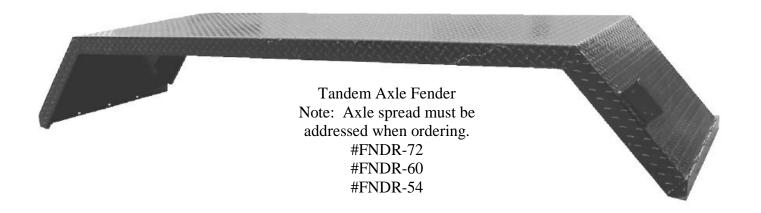
20' Rubber Skirting Set (2 pcs) #20-RBRSKRT



#### **Exhaust**



## Fenders & Mud Flaps





Mud Flap Clamp Bars c/w Hardware #CLMP-24

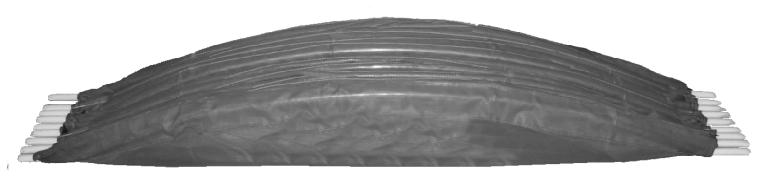


Large Printed Mud Flap #PRNTFLP-24X18



Small Mud Flap #BLKFLP-24X14

## Tarps & Arched Ribs

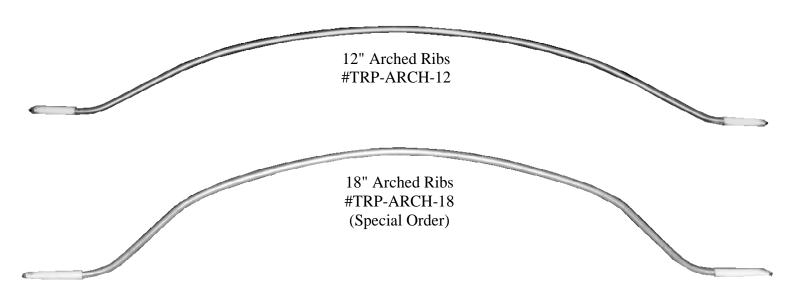


Colours Available are: Black, Red, Blue and Green Standard 12" Arch (18" Arch is Special Order)

16' Mesh 92"x216" 18' Mesh 92"x240" #P1069-12-92-216 #P1069-12-92-240

16' Mesh 92"x204" 20' Mesh 92"x260" (old short style) #P1069-12-92-260 #P1069-12-92-204

Vinyl Available



## **Tarp Parts**



Front Tarp Assembly #TRP-FD-102

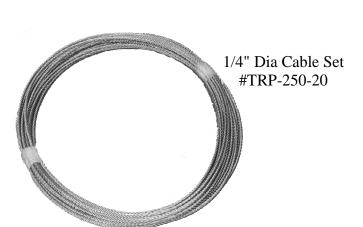


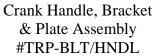


Rear Pulley Assembly Driver Side #TRP-RP-LH Passenger Side #TRP-RP-RH



Rear Pulley c/w Axle Takeup Plate & Rod #TRP-RPA-3

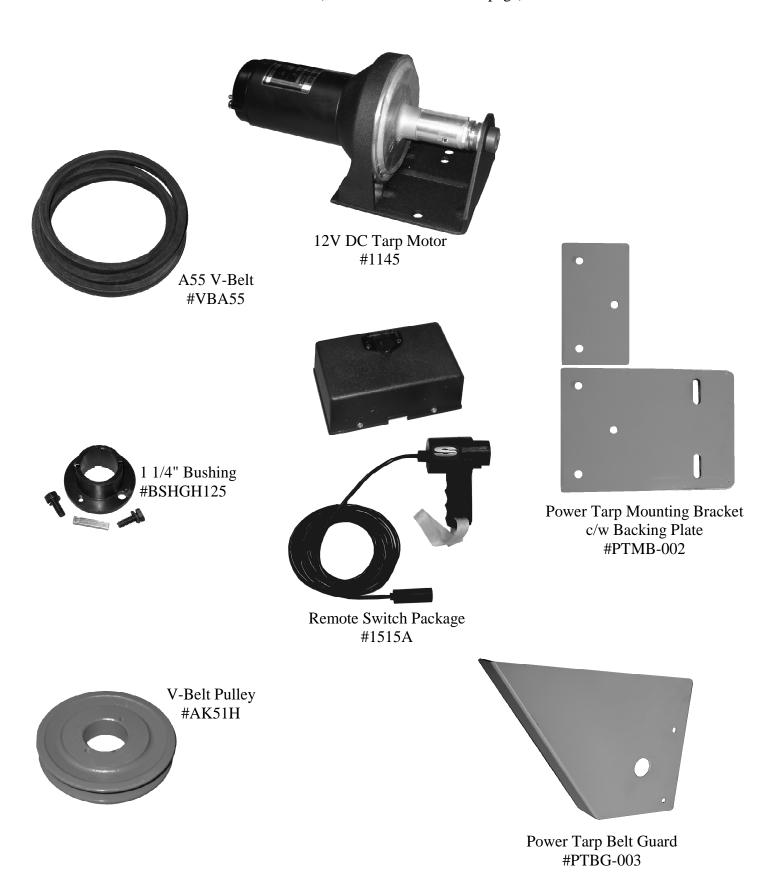






## **Power Tarp**

#PTKIT-001 (includes all items on this page)



## **Hold Down Assemblies**

Please be able to specify frame rail dimensions when ordering

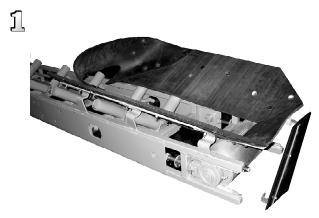


Decal Set
2 Of Each Shown
#DCLST-600
(Warning & Caution Decals Included)



# SUPER SLINGER

#### Step By Step Procedure For Replacing a 14" Belt



Remove the conveyor from the Stone Slinger body, cut off the old belt and remove the Super-Shield, hopper louver frame, remove the bolt from one side of the rear conveyor flap assembly and loosen the other and retract pulley adjusters fully on both ends.

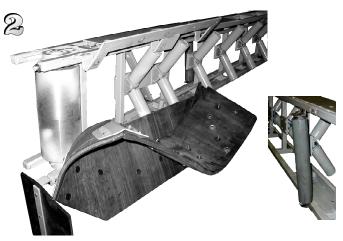


Manipulate the belt under the hopper sides and over the idler pulley, then using a jack and a piece of 2x4x7" wood push the belt over the end of the frame rails 2 to 3" at a time.



For the last few inches use a mallet or a hammer to clear the frame rails.

A smear of liquid soap will aid this procedure.



Remove conveyor lift saddle then turn conveyor on its side with the motor down. Remove the bolts that hold the hopper rubber to the frame on the side opposite the motor. Remove bolts from top brackets of the return idler roll and leave them hang open.



Discharge End

Once the belt has been pulled down as far as possible retract the the jack and repeat the process.



Once the belt is in place turn the conveyor back over, center it on the pulleys and snug up the adjusters to tension the belt. Reattach the conveyor saddle, return idler rolls and the hopper components.

Reinstall the conveyor to the swing frame. Engage the conveyor at a slow speed and use the adjusters to center the belt. Increase the speed and make sure that the belt is staying straight, if not use the adjusters to keep it straight. Then reinstall the Super-Shield.

Step By Step Procedure For Replacing a 18" Belt



Mark the front to back and side to side location of all troughing and return idlers. Also number each roller to ensure that they get replaced in the proper position.



Cut the old belt off of the Stone Slinger and remove all troughing idlers, front idler roll assembly, the rear return idler and rear extension frame. This is an excellent time to inspect all bearings, rubber skirting, and ensure that all troughing and return idlers are rotating freely. Retract all the adjusters on the extension frame and the front idler roll bracket.



I



Check the belt to ensure that the arrow on the belt is going the same way as the belt rotation. Manipulate the belt into place and install the front idler roll all the way back against the tensioner blocks on the mount angles. Install the bolts and snug them down.



Move the rear extension frame into place and stand it upright with the chain guard down. Place the belt over the end of the extension frame. With a chain or strap lift the frame upwards by the mount angles using an overhead crane. As the frame is being lifted pull the belt over the bottom of the frame. Once the belt is in place, lower the frame and center the belt on the rubber drive roller.



Hook the chain or strap around the end of the extension frame and begin to lift. Once high enough, rest the steel tube of the extension frame onto the angle on the body, using drift pins guide the frame into place while lifting. Check to make sure that the mount angles on the frame and the body are flush.

Install the bolts and tighten.



Once the belt is in place, reinstall all idler assemblies that were marked earlier. Using the front and rear adjuster bolts tension the belt. At the mid point of the body the belt should be hanging just below the troughing idler mount angle by about 1/4". Slowly turn the belt and use the adjusters to center it. Increase the speed and make sure that the belt is staying straight, if not use the adjusters to keep it straight. Tighten down the front idler roll assembly.

#### **Lubrication/Maintenance Schedule**

# To ensure peak performance of your Stone Slinger please follow this Maintenance Schedule.

**Daily** All major pivot points on the swing frame (where the swing frame rotates on the

bumper pin and where the yoke pin rotates in the swing frame) must be greased

daily as indicated by the "grease daily" decals.

**Weekly** All bearings and pivot points on cylinders to be greased weekly. Chains

lubricated with oil or chain lube and tensioned.

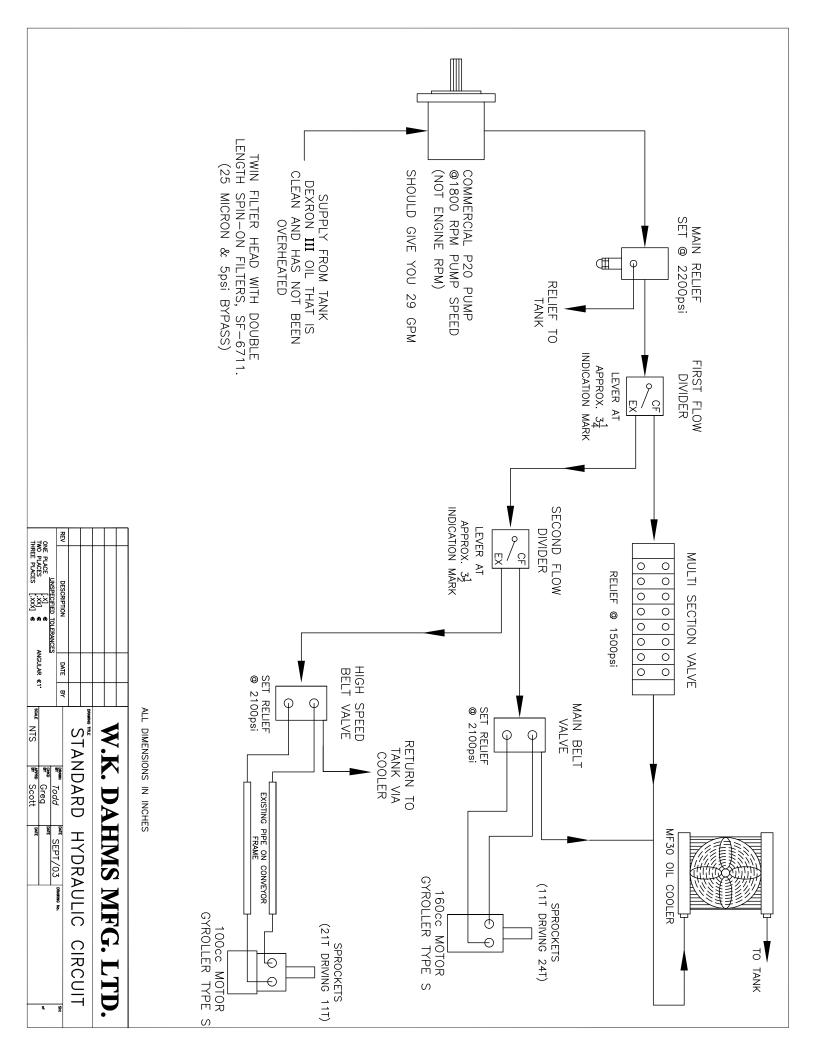
**Every 3 Months or** The hydraulic pump must be removed from the P.T.O. to lubricate the

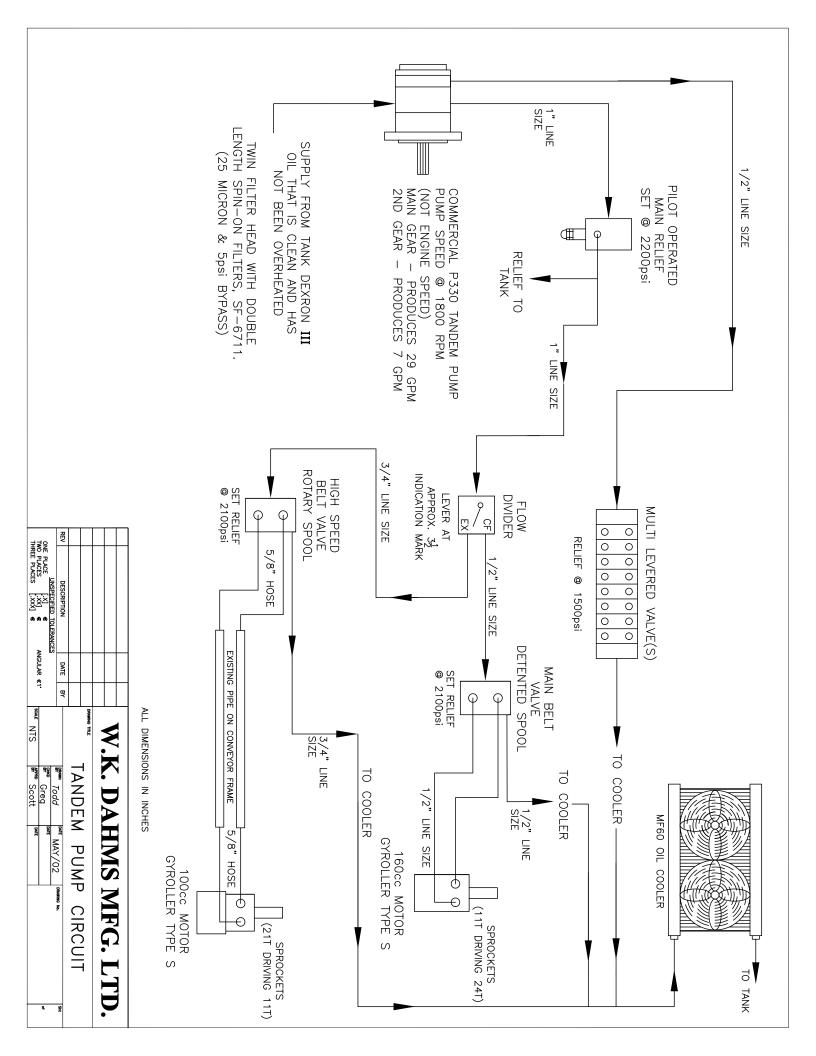
**500 Hours of** splined shafts. (Use a good quality EP rated grease). **Operation** 

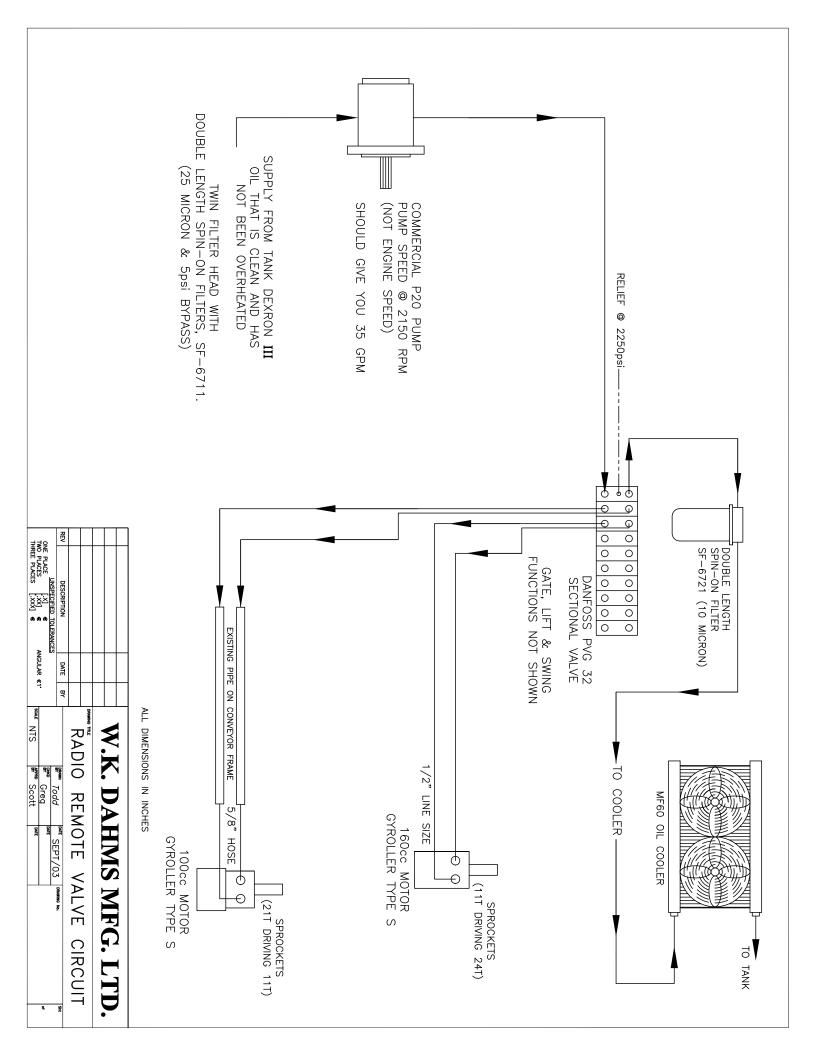
Filters should be changed yearly to ensure that they have not exceeded their dirt holding capacity.

Hydraulic Oil - Use only Dexron II or Dexron III

Before installing a new hydraulic component, ensure that the oil in your system is clean and that it has not been overheated due to previous pump, motor or system problems. Poor oil will result in the shortened life of hydraulic components. If the oil needs replacing use only Dexron II or Dexron III (automatic transmission fluid).







## Notes

