PILLOW BLOCK
5/16 x 1 1/4 RIGHT
5/16 x 1" LEFT

3/16 x 1 3/4 KEY WAY
1/4" KEY
V BELTS.

ENGINE 4ea. 1 3/4 x 5/16 BOLTS
UNIVERSAL COUPLING.

PULLEY GUARD.
1/4 KEY STOCK. x 1"

STOCK HUB. 37866
37776
37322
PULLEY BRACE

PLUMBING — 1 1/4 x 1 Reducer Bushing
4 1/2 x 1" Pipe NIPPLE
1 x 3/4 x 3/4 Tee
18" NIPPLE
3/4 CLOSE NIPPLE

3/4" UNION
HOSE CLAMP
FLANGE

PUMP BOLTS & WASHERS 4/ea
ENGINE BOLTS 4/ea

V-PHEX CLUTCH

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

9) BUSHING ASSY — 7/16 ~~Ø~~ 2" BOLT IS SCREWED INTO 3/4" X 1/8" SOLID BUSH. DOWN TO 3/16" FROM TOP (MEASURE WITH HORSESHOE GAUGE) NUT IS ADDED TO BOTTOM (SNUG) THEN DRILLED & PINNED

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

PRESS. ADJ. VALVE

1) DRILL OUT 3/4" x 1/8" SOLID STEEL BUSHING USING "LL" DRILL FROM INDEX. TAP WITH 7/16" TAP. ~~TOP~~ BOTTOM DRAWER TOOL CHEST NEXT TO DRILL PRESS
2) THREAD 7/16" ~~x~~ 2" BOLT USING 7/16" DIE – ~~TOP~~ BOTTOM DRAWER TOOL CHEST
3) CUT 1" x 3/4" REDUCER BUSHING 3 THREADS FROM BOTTOM – RETAP ~~DRILL~~ TAP LOCATED IN BIN BELOW TOOL CHEST
4) THREAD 3/4" x 8" NIPPLE ABOUT 4 MORE THREADS ON ONE SIDE ONLY (WILL BE FLUSH WITH CENTER OF 3/4" PIPE THREADER) FILE TOP FLAT
5) SCREW 3/4" x 8" NIPPLE INTO 1" x 3/4" REDUCER BUSHING – SCREW THAT ASSEMBLY INTO 1" x 3/4" x 3/4" TEE
6) INSERT 7/8" SS BOLT & SPRING INTO "T"
7) ADD 7/16" BOLT & 3/4" BUSHING ASSY (SEE #9 BELOW)
8) TIGHTEN ALL UNTIL VALVE JUST RATTLES – BESURE WHEN 7/16" BOLT IS ALL THE WAY DOWN SPRING ISN'T COMPRESSED ENTIRELY

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

(1)

LEG BRACES
Require 1/4" hole
1 bottom hole drilled
Larger (TANK side)

Need 1 each L Side
R Side

For Agitator 14" center
7/16 — 4 outside hole
3/8 — 1 center hole
Use Sheet High speed drill
1" GREENLEE PUNCH for
Bottom center hole

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

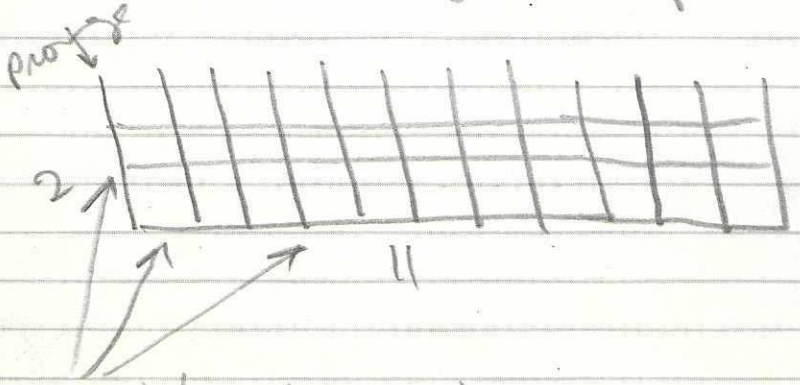
(2)

For Acitator

Knock off slag off welds

Use 10/24 (8/32) to Attach wiper on Shaft

For Screen 11 holes x 2 hole with prongs



Grind edges to remove sharp corners (wear gloves)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(3)

Agitator turns away from you

Install stove bolts so heads lead

Attach rubber & Attaching bracket with bolt then slide screen in place

Bearing for Agitator ✓ FAFNIR RCJC 1" (No Substitute)

Save Green Instruction Remove tags

Make sure have grease fittings

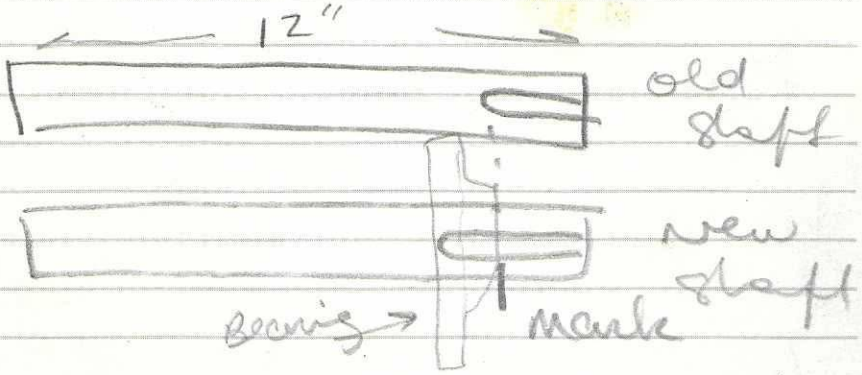
Loosen Allen settings

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

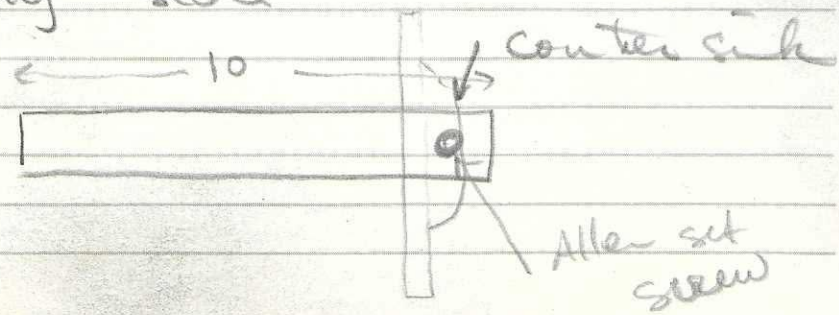
Shafts 1"

Use old Shaft as guide to mark Key way

Use rubber hammer to tap



Key way shaft is on Polly side



Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

5

7/16 x 1¼ bolt attach bearing to tank

7/16 copper washer goes on inside of tank tighten just to snug then ½ turn on inside to seat copper washer

Position center blade over outlet hole

Bend outside blades leading edge first (left down right up)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

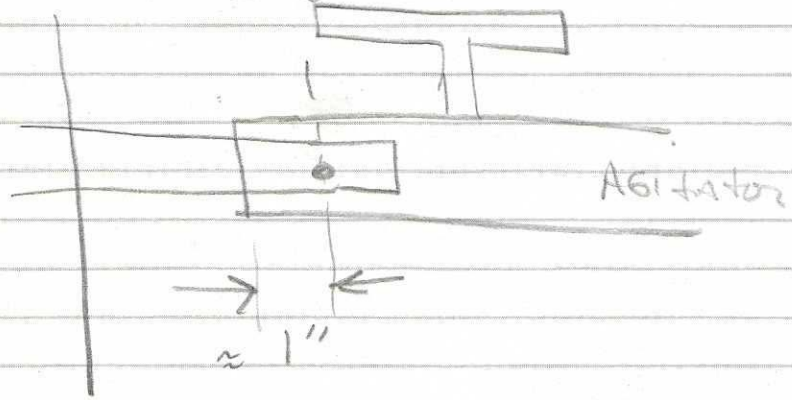
Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(6)

Pilot hole for agitator connecting pin is 1/8"

1/4" final hole



tank

(2) 1/4 x 1 3/4 (or 1/4 x 2") bolts to attach Agitator & plays

Clean tank @ this time

Paint Agitator

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

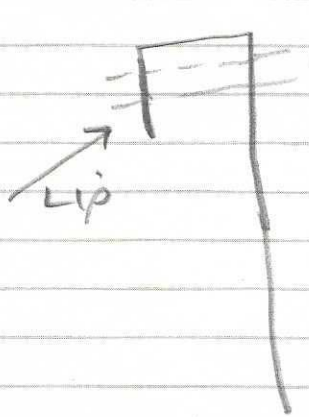
Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Leg braces

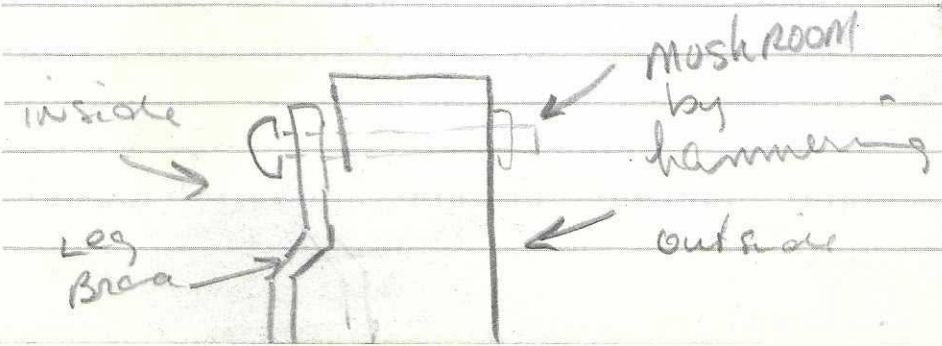
tank hole - 1/4

Make sure drill hole is in center of tank Lip



1/4 x 1 1/2 Rivits

or x 1 1/4



Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(8)

For TANK Lid

Use 3/16 drill

Use wooden lid supports to hold lid up

Drill hole with rust only - clean hole with scraper.

Pop rivet bottom hole in place

Hammer end of rivet flat using long bar

Modify drill guide & do other side of lid

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

Paint Lid @ this time

Lift TANK ON STAND

Paint bottom of tank & Bracer

Using pump guide mark holes for pump bracket.

Center punch & drill short 3/8" bit (1/2" drill)

(Align guide ~ Center of bottom support)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

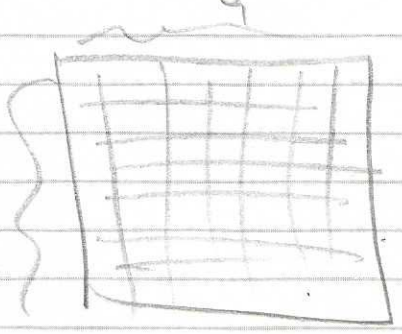
10

Reducer

tap center hole with 3/16 x 24 tap

Paint inside (not thread)

Screen are 9 x 9 holes



FLAT side up

hammer in template & trim with cutters

Punch center hole

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(11)

hammer edges and
grind edges
Paint

3½ nipple are cut
in half with pipe
cutter
assemble
Street L (1½) +
½ of 3½ nipple using
Telpo seal
assemble to Reduce
bushing and screw
into bottom of tank

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(12)

Attach other ½ of 3½ nipple to companion flange

attach discharge hose (3 layer 1½") to nipple and attach using (2) 32H hose clamps to reducer bushing

Assemble spacers under pump feet wings (flange) face inward (4) 3/8 x 2" attach

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

to tank braces
(use lock washers also)
(Do not tighten)
Inset pump onto
feet
attach pump to
Compen-ion flange using
1/2 x 2" bolts & nuts
inselt rubber gasket
between flanges
Align and tighten bolt
Center discharge hose
onto 3 1/2 nipple and
tighten (2) hose clamps

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

Rotate pump if necessary to insure a straight flow from tank to pump.

Attach pump caps center gap on each side and tighten evenly (cap could break with uneven tension)

Align pump feet evenly and tighten bolts (measure)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

(21)

On Pump base

even block under feet
and measure to insure
Pump is SQUARE 1/16

IF NOT will CAUSE
Excess belt wear

(Motor template is square)

Pully Shaft

Washers 3-5 depending upon tank

Jack Shaft - counter sunk same as bearing for agitator (THIS SIDE UP)

1/32" 1/64" drill

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in
Material Handling,
Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

(2)

(22)

Adjust depth of hole by using a predrill shaft and Adjust Lock nut on drill press (Quill depth stop) (7/32" drill)

On Cast Iron Pully Install 3/4" Bore Bushing using two screws until just below bushing surface Pull bushing up & rotate 90° See insert

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(23)

Pillow Block (PB 3/4")

Install washer (3-5) on P.B. and Attach P.B. base with long 5/16 (1 1/4) on ~~Left~~ RIGHT 5/16 (1") on ~~right~~ Left FACING ~~MACHINE~~ BACK of tank

Tighten (THRUST collar toward PUMP)

Attach. JACK slope template and PULLY BLOCK Assembly Align on support & drill 5/16" hole in each of Supports

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

hole in plate using
C-clamp
Drill TWO holes
(First punch)
Pilot drill holes first
will help! 1/8"
Follow with 5/16"
DO NOT ATTACH AT
THIS TIME Remove P.B
PAINT pump & compressor
flange

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

1 3/4" X
3/16" Key way
(File down) MAKES
INSTALLION EASIER
Bevel one end, ALL
Four sides

Apply Keystone
NO-WELD No 1
Anti-Seize compound
to pump shaft

Install pully 2' 3/4"
Bore on pump shaft
Insert screw drive -
Slot to IN large bushing.

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

ALIGN Key way

Install Keyway

Bevel edge first

Install V-belt

(3460) at this time

5HP Briggs & Stratton

Engine

Remove Air filter

Add ½ pint gas

Remove oil fill plug (on back)

Add 1 pint (½ quart)

oil

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Remove instruction
pamplet & give to
Cathy (important paper)

V-plex clutch

File outside edge
to keep from damaging
belt.
Apply Anti seize on shaft
Spray W-D 40 inside
clutch on spring
Install on motor shaft
Use Keyway formed from
pump 3/16"
Tighten Allen set screws 1/8 (2)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Place Engine on
tank support
Position Engine &
Pulley until
(1) Belt is not to tight
Pinch belt on
clutch until seats
½ way up clutch
(2) Bolt hole on
engine base are not
too close to edge
May require taping
pully in or out or slant

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Mark Engie corner
Remove engine
place Engie template
Square on base
Mark holes
Punch & drill
3/8" holes
Require 4
1 3/4 x 5/16" bolt
5/16" lock washers
5/16" nuts
Install Belt on clutch
and Install Engie bolts

Winn SUPPLY CO. KAMAN SUBSIDIARY OF BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

tighten all bolts

hint bolts on back so down, bolt on front go up

Tighten pully (evenly) 7/32"

INSTALL GERBING G-100 3/4 Allen

UNIVERSAL coupling with rubber spider on pump

(USE SQUARE BAR TO HAMMER ON coupling)

Position until flush with shaft. tighten set screws

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Remove set screw from other half of unused align on jack shaft and assemble set screw and tighten

Install thrust collar bearing and spider

PLACE on pump

Attach to brace using 5/16 x 1" bolt lock washer and nuts

Attach pully guard

Winn SUPPLY CO. KAMAN SUBSIDIARY OF BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

bottom bare

Paint universal & shaft

Cut 1/4 Square Key Stock
for Agitator shaft
pully

1/4" x 1" Keystock

File & Bevel on before
Anti seize compound shaft
Attach 1" TRU-RUN
Steel hub (37866) and
insert Keystock FLUSH

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

Attach TRU RUN (Gate)
Steel Rim 37776

Assemble and tighten
using clamped Locks
(Make sure side
of Rim with insert is
facing in
PLACE 1 3/4 TRU RUN
Steel pully (37322) on
shaft. ATTACH belt
Align bottom pully until
Belt Runs true. TIGHTEN

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

set screw to mark shaft. Remove pulley and counter sink shaft @ mark. Center punch in center of area caused by set screw

Use 7/32" drill for counter sink hole a 1/16" depth.

Re assemble pully ed tighten set screw in counter sink hole. Attach belt.

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

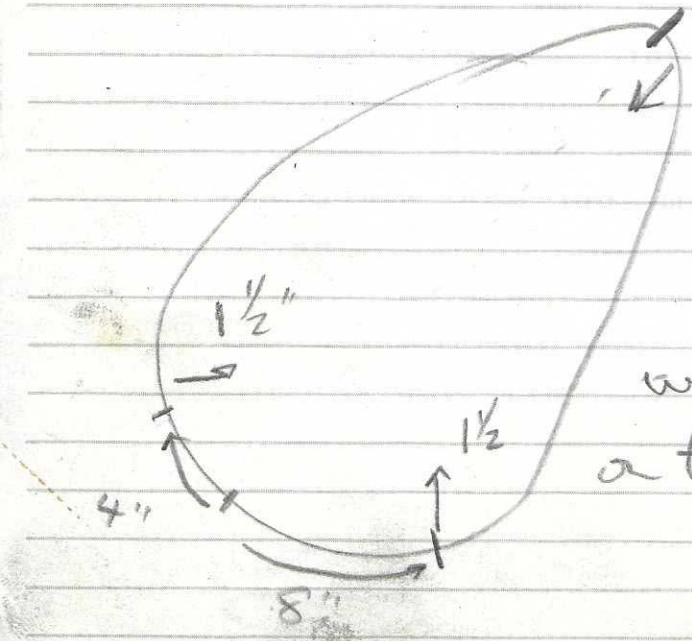
Specialists in
Material Handling,
Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

On Pulley Guard

Bottom center inside
1 3/4"

Top center up 8"
down 4"
1 1/2" inside



Lay down
with screen
a table

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Drill 3/16 (3) holes @ marks

Attach (2) L Pully guard brackets at top (with wings facing out)

(2) 10-24 x 3/4 bolts

(2) # 10 Lockwashers

Assemble guard on bottom pully guard brace

1 - 10-24 x 3/4

1 - # 10 lockwasher

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Center pully guard over pully and drill (1) 3/16" attach with 3/16 Pop rivit

Repeat until all four are drilled and rivited (Hint attach 2 botton hole first)

Before riveting Scrap inside metal from hole to keep from leaking and insuring a tight seal

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

OUTLET END of Pump

@ Reducer coupling in center drill a 7/16" hole tap to 1/4" pipe thread Make sure straight! TURN coupling until straight-up

(You will have to drill hole @ angle)

(tap until 3-4 threads on top left)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Apply Pipe sealant to a 1 1/4 to 1" reducer bushing assemble to pump and tighten

Apply pipe sealant to a 4 1/2 x 1" pipe nipple

Attach 1 x 3/4 x 3/4 Tee

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

1¼ to 1 Reduce bushing

1 x 4½ nipple

1 x ¾ x ¾ Tee

¾" close

¾ ball Valve

¾ male pipe to male hose adapter

tee ed tighten @ UNION

Tighten 1 x 4½ nipple and 1 x ¾ x ¾ tee by buying 18" pipe

1 x ¾ x ¾

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

3/4 x 18" pipe supply
pipe sealand
attach (1/2) 3/4" UNION
(plus collar) (male
half)
attach to 1 x 3/4 x 3/4
tee and tighten @
union.
Tighten 1 x 4 1/2 nipple
and 1 x 3/4 x 3/4 tee by
turning 18" pipe

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

Pressure Adjustment Valve

(1) 3/4 x 1/8 Forged steel reducer bushing

Drill .386 (4)

tap 7/16 x 14 (N.C.) (tap all the way through)

take 7/4 x 14 Die

7/16 x 2 bolt and tread all the way down to head

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

take care useing
oil to insure good
threads)

Screw bolt in busing
all the way down

Back up ½ the
way. Wrap top half
with telfon tape
(area where treads
change from old to new)



Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

Using horse gauge tighten bolt

Screw on bolt and drill # 29 drill (.136) [use nail as guide center of nut through bolt. Insert round cut nail leaving 1/16" on each end (one nail will do ~3 pressure adjustment valves)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

Using vise smash ends equally on both sides

Remove horse shoe template

3/4 X 8" nipple

Add extra threads (until end is even with outside locking of thread cutter

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

On extra thread side, file flat the top of nipple

PLACE ball on top ed seat

1 x 3/4 Reducer bushing cut ≈ 3 threads off (when inside threads stop)

Re-tap 3/4" threads (3/4 x 14)

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Install modified
1 X 3/4 reducer
bushing to 3/4
by 8" nipple
(long threaded side)
screw until thread of nipple
come through reducer
Install 1 X 3/4 X 3/4
tee
Add 1 ball
2. Spring
3. Adjustment bushing
assembly
tighten assembly

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

(tighten adjusted bolt first)

Loosen Adjustment bolt and check for end play there should be a small rattle

Paint assembly

attach female half of 3/4 malliable union (use sealant) tighten

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Attach to 18"
section (connecting
union)

Align for ~~Drilled~~
straight up & down
and mark for
hole cut @ top
center punch &
drill 3/8"
Using Greenlee punch
Enlarge hole 1 1/8" DIA.

Winn SUPPLY CO. KAMAN SUBSIDIARY OF BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Attach 3/4 x close nipple to 3/4" elbow (90°) [use sealant]

attach gasket [1" ID x 1 1/2 OD 3/16 thick]

Install Assembly from inside tank

Install gasket

Install pressure adjusted Assembly

Hand tight will do

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in
Material Handling,
Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • **PHONE 233-5311**
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • **PHONE 352-6460**

Part lower &
upper Assembly
and then connect
union and tighte

Winn SUPPLY CO. SUBSIDIARY OF KAMAN BEARING & SUPPLY CO.

Specialists in Material Handling, Power Transmission

1675 NEWTON AVENUE • POST OFFICE BOX 1709 • SAN DIEGO, CALIFORNIA 92112 • PHONE 233-5311
354 EAST MAIN STREET • EL CENTRO, CALIFORNIA 92243 • PHONE 352-6460

PRESS. ADJ. VALVE

1) DRILL OUT 3/4" x 1/8" SOLID STEEL BUSHING USING "LL" DRILL FROM INDEX. TAP WITH 7/16" TAP. ~~TAP~~ BOTTOM DRAWER TOOL CHEST NEXT TO DRILL PRESS

2) THREAD 7/16" ~~x~~ 2" BOLT USING 7/16" DIE - ~~TOP~~ BOTTOM DRAWER TOOL CHEST

3) CUT 1" x 3/4" REDUCER BUSHING 3 THREADS FROM BOTTOM — RETAP ~~TAP~~ TAP LOCATED IN BIN BELOW TOOL CHEST

4) THREAD 3/4" x 8" NIPPLE ABOUT 4 MORE THREADS ON ONE SIDE ONLY (WILL BE FLUSH WITH CENTER OF 3/4" PIPE THREADER) FILE TOP FLAT

5) SCREW 3/4" x 8" NIPPLE INTO 1" x 3/4" REDUCER BUSHING — SCREW THAT ASSEMBLY INTO 1" x 3/4" x 3/4" TEE

6) INSERT 7/8" SS BOLT & SPRING INTO "T"

7) ADD 7/16" BOLT & 3/4" BUSHING ASSY (SEE #9 BELOW)

8) TIGHTEN ALL UNTIL VALVE JUST RATTLES — BESURE WHEN 7/16" BOLT IS ALL THE WAY DOWN SPRING ISN'T COMPRESSED ENTIRELY