

Rear Discharge Truck Tender

SERIAL # _____

WORK ORDER # _____

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Chandler Equipment Company Personnel

Bill Chandler **Chief Executive Officer**
Advertising & Marketing
Dealer / Distributor Arrangements

Brannon Chandler **General Manager**
Production & Scheduling
Warranty, Sales and Service

Andrea Thompson **Administrative Assistant**

Lisa Johnson **Accounts Receivable**
Collections

Michael Sosebee **Sales Manager**

Gene Dye **Outside Sales**
Mid-South Regional Sales Manager

Dan McCorvey **Outside Sales**
Southeast Regional Sales Manager

Richard Wray **Outside Sales**
Western Regional Sales Manager

Matt Farmer **Inside Sales**

Michael Anderson **Precision Ag Products**
Equipment Service

Wes Hobgood **Parts & Service**

Kimbrow Grizzle **Parts & Service**

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Warranty Policy

A) Standard Warranty:

Chandler Equipment Company warrants that equipment manufactured by Chandler Equipment Company, under normal conditions of use and service, shall be free from material defects due to faulty manufacturing for the period listed below.

- a. Poultry Litter Spreaders and Conveyors – Six (6) Months
- b. Fertilizer and Lime Pull Type Spreader – Six (6) Months
- c. Fertilizer Tenders (Trailer or Truck Mounted) – Six (6) Months
- d. Fertilizer and Lime Chassis Mounted Spreaders – One (1) Year

This warranty period is from the date of delivery to the original owner.

(Warranty period is on equipment built after July 1, 2012)

B) Warranty Approval:

- a. Any and All warranty claims must be approved in writing by Chandler Equipment Company prior to any work being done.
- b. **ANY WORK DONE WITHOUT PRIOR WRITTEN APPROVAL WILL NOT BE COVERED UNDER WARRANTY AND THE CUSTOMER / DEALER WILL BE RESPONSIBLE FOR ALL COST.**

C) Warranty Claim Forms: (Dealer Only)

- a. Warranty claim form / forms will be supplied to Dealer upon request.
- b. Warranty claim forms are available in 2 part paper form or in an electronic format.
- c. All warranty claims must include serial number, date of purchase, customer name and date of sale to original owner. (See attached warranty claim instructions for guidelines on filling out warranty claim form)
- d. Improperly filed or misleading information on warranty claims shall result in warranty claim being denied.
- e. **ALL WARRANTY CLAIMS MUST BE FAXED TO (770) 535-1265.**

D) Labor and Repair Cost: (Dealers Only)

- a. Labor for any repairs must be approved prior to any work being done.
- b. Labor rate (per hour) will be determined by Chandler Equipment Company, See Chandler Labor Rate List.
- c. Also Chandler Equipment Company retains the right to adjust any and all warranty claims.

E) Dealer Responsibility:

- a. Dealer shall be first line in all communications with the customer.
- b. Dealer shall also maintain good and open communications between the customer and Chandler Equipment in order to resolve warranty issues.
- c. Dealer shall be responsible for informing the customer of operating procedures, safety precautions and normal maintenance to help avoid any warranty issues.
- d. Promptly inform Chandler Equipment of any possible warranty issues.
- e. Dealer is responsible for making every effort to resolve warranty issues in a timely manner.
- f. Notify Chandler Equipment on any possible non-warranty issues, such as any modification made to equipment.

F) Original Chandler Genuine Parts:

- a. Chandler Equipment Company will only warranty equipment that uses Chandler Genuine Parts. Any equipment that is sold by a dealer with parts other than Original Chandler Genuine parts shall Void Any and All warranties

G) Replacement Parts Shipping:

- a. Chandler Equipment Company shall send Chandler Genuine Parts for warranty replacement. Chandler Equipment shall NOT warranty any part or parts replaced by the Customer/Dealer that are not Chandler Genuine Parts.
- b. Cost of any part or parts that are replaced by the Customer / Dealer that are not Chandler Genuine Parts shall be the sole responsibility of the Customer / Dealer.
All replacement parts covered under warranty will be shipped via regular UPS. The cost of any parts shipped **UPS-Next Day Air** will be the sole responsibility of the Customer/Dealer.

H) Parts Returns:

- a. All parts replaced under warranty will be returned to Chandler Equipment Company within 20 days of replacement for warranty evaluation. All parts returned for warranty evaluation must be in its original state free of modifications. Any modifications will result in the warranty claim being denied and the part or parts returned back to the customer/dealer.
- b. Any hydraulic components returned must be assembled (in original state) and with the ports plugged to prevent any contamination. Any hydraulic component that has been disassembled will VOID the warranty claim and the part or parts returned back to the customer/dealer.
- c. All Returned Parts for warranty evaluation must be clearly tagged with the following information.
 - I. RMA number
 - II. Customer or Dealer Name, address, phone number and contact person
 - III. Equipment serial number
 - IV. Complete description of problem

I) Misuse or Improper Installation:

- a. Any equipment, parts, or components that have been damaged by improper installation or misuse will **NOT** be covered under this warranty.
- b. Chandler Equipment accepts no responsibility or liability of any kind due to improper installation of equipment or parts on any product manufactured by Chandler Equipment Company. This includes, but is not limited to, any damages to personal property, crops, or any other equipment.

J) Incomplete Equipment and Dealer Add-Ons:

- a. Chandler Equipment does not warrant any equipment sold **INCOMPLETE**. This includes (but is not limited to) axles, tires, any hydraulic components or paint.
- b. Any Non Genuine Chandler Parts that are installed as aftermarket add-ons by anyone not approved in writing by Chandler Equipment Company shall **VOID ALL WARRANTIES**.
- c. Chandler Equipment Company accepts no responsibility, nor shall warrant any equipment or any component that is damaged due to any type Control System not sold and installed by Chandler Equipment Company.

K) Items Not Covered Under this Warranty:

- a. Any equipment that has been modified from its original state.
- b. Any equipment used for any other purpose than what it was originally designed for.
- c. Any travel time, cleaning of equipment, unloading of material, or towing.
- d. Any cost of materials that have been applied improperly due to the lack of customer / dealer not following proper operating instructions.

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Rear Discharge Tender Safety

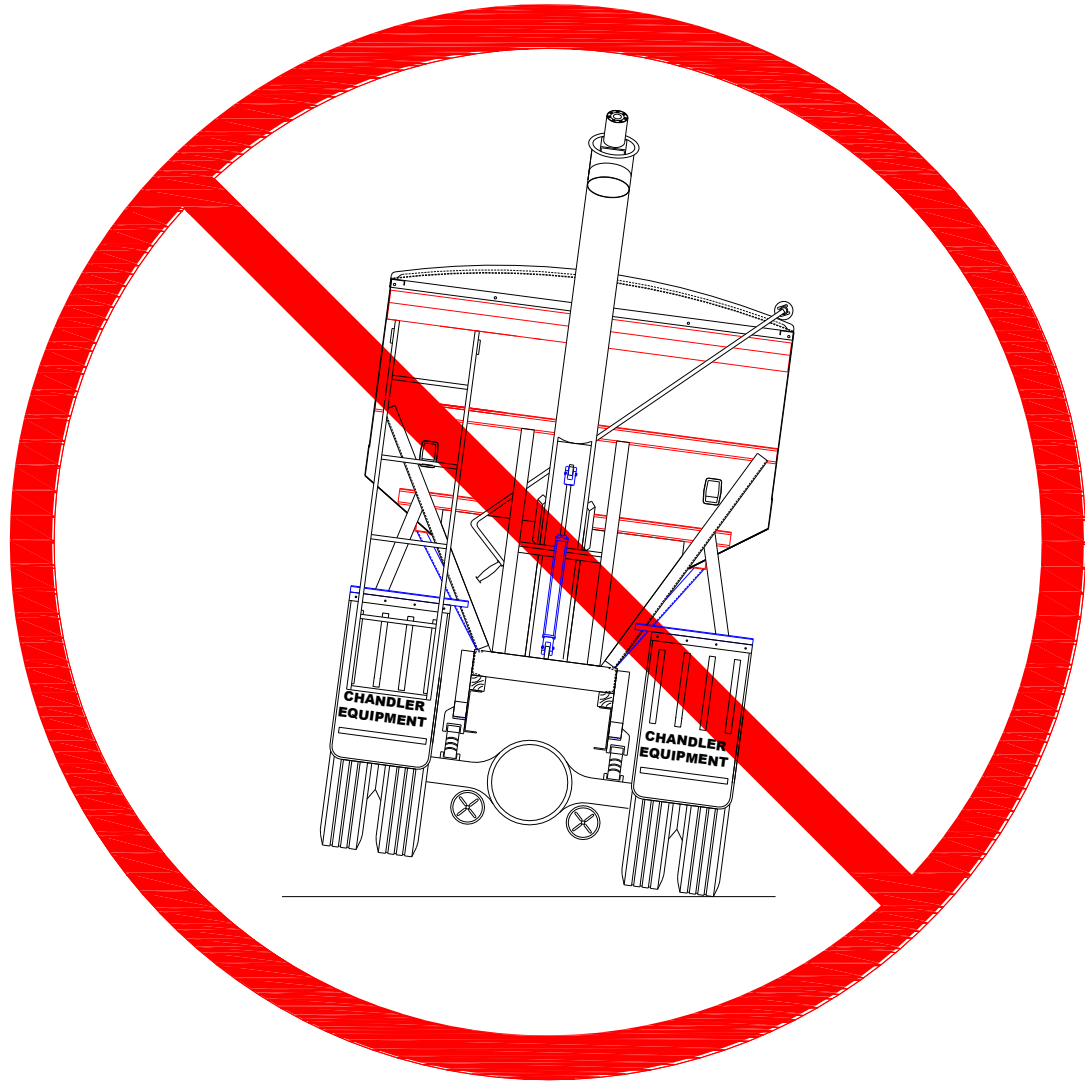


WARNING!

- **DO NOT PUT HANDS IN AUGER FOR ANY REASON**
- **BE CAREFUL WHEN RAISING OR LOWERING AUGER**
- **LOWER AUGER BEFORE OPERATING VEHICLE**
- **SHUT OFF ENGINE BEFORE REPAIRING AUGER**

THINK SAFETY!

WARNING



NOTE: A Chandler Equipment Company Rear Discharge Truck Mount Tender can cause truck chassis to become top heavy. Use extreme caution when driving or operating on slopes and hills, in order to prevent rollovers.

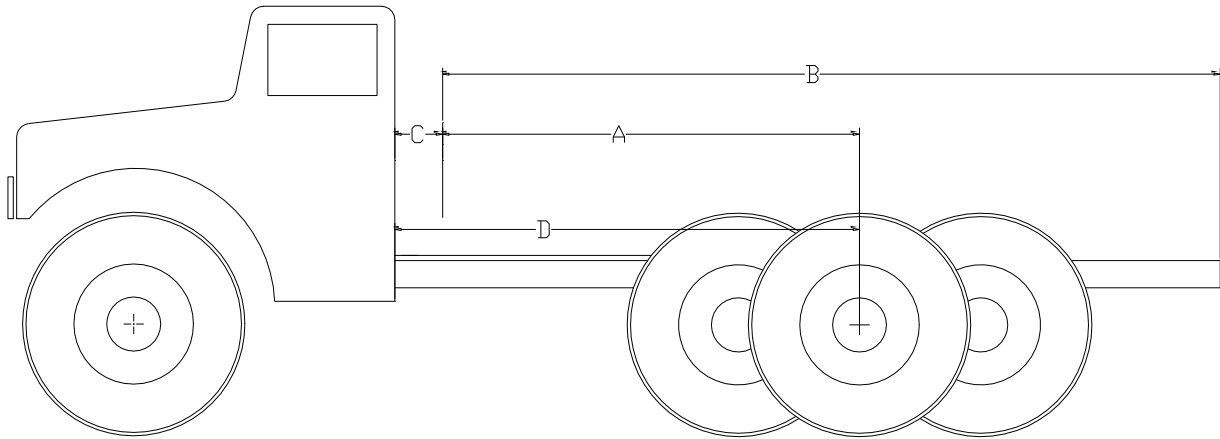
Safety Precautions

- 1) Be sure all guards or other safety devices, and decals are in place and functioning properly.
- 2) Stay away from moving parts when tender is in operation.
- 3) Check tightness of tie-down bolts periodically.
- 4) Inspect boards for rot, and replace as needed.
- 5) Check lug nuts daily; refer to truck chassis manufacturer's manual for torque specifications.
- 6) Maintain proper tire pressure, according to truck chassis manufacturer specifications.
- 7) If tender becomes clogged, turn off truck before entering hopper or cleaning the auger.

Section 1

Basic Information & Installation

1) Chassis Length



- A= Distance from front of tender to center of axle**
- B= Distance from front of tender to end of frame rail**
- C= Distance from back of cab to front of tender**
- D= Distance from back of cab to center of axle**
(Center of axles on tandem axle truck)
- E= Distance from center of axle/tandem to center of hopper**

Single Axle Truck

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
12' – 10 Ton	96"	149"	12"	108"	24"

Tandem Axle Truck

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
12' – 10 Ton	96"	149"	12"	108"	24"
16' – 16 Ton	120"	169"	12"	132"	24"

Note: These measurements are only recommendations from Chandler Equipment Company, and can vary depending on your truck. For example truck GVW, state and federal weight regulations, location of exhaust, etc. will affect your measurements.



Caution:

When installing a Chandler Equipment Co. rear discharge truck mount tender (RDT) on truck chassis, make sure that the auger has sufficient clearance when auger is fully raised and tender loaded.

2) Axle Loading

Example: $W = 36000 \text{ \#}$

$WB = 201 \text{ in.}$

$C = 28.5 \text{ in.}$

Weight on Front Axle

$$\frac{36000 \text{ \#} \times 28.5 \text{ in.}}{201 \text{ in.}} = 5104 \text{ \#}$$

Weight on Rear Axle

$$\frac{36000 \text{ \#} \times (201 \text{ in.} - 28.5 \text{ in.})}{201 \text{ in.}} = 30896 \text{ \#}$$

Note: This only an example, not a recommendation.
Also, these formulas can be used to determine
The center of body to center of axle (C)
Based on the GVW of your front or rear
Axle and the truck's wheel base (WB).

Tender	Weight of Body and Load
12' – 10 Ton	28000 #
16' – 16 Ton	36000 #

Axle Loading:

$W = \text{Weight of Body and Load (pounds)}$

$WB = \text{Wheelbase of Truck (inches)}$

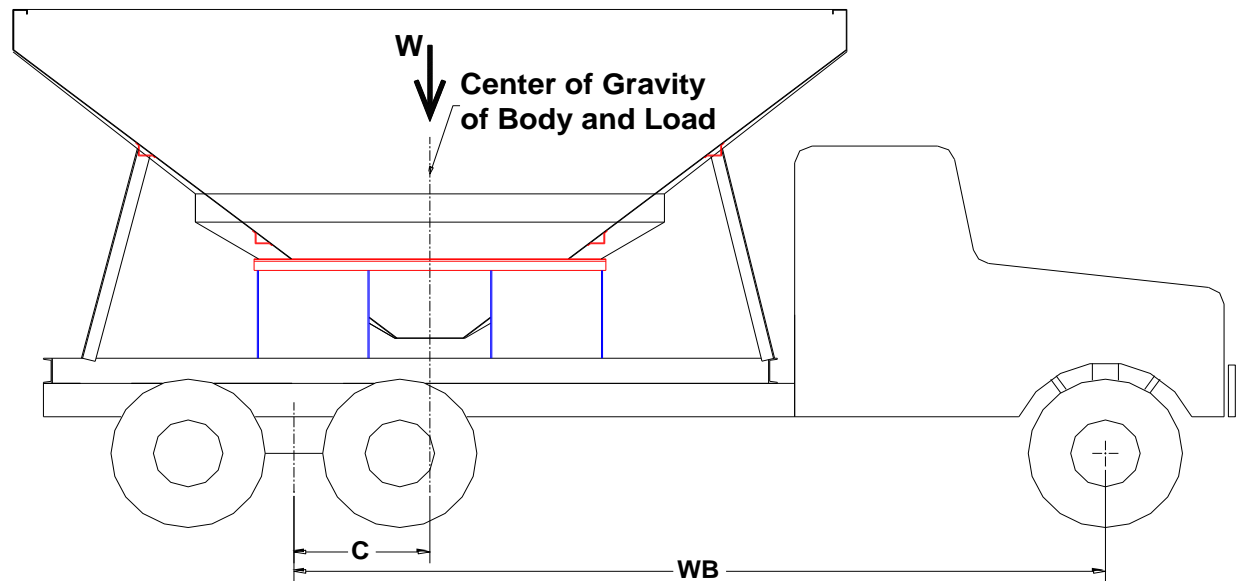
$C = \text{Center of Body to Center of Rear Axle or Axles (inches)}$

Body and Load Weight on Front Axle:

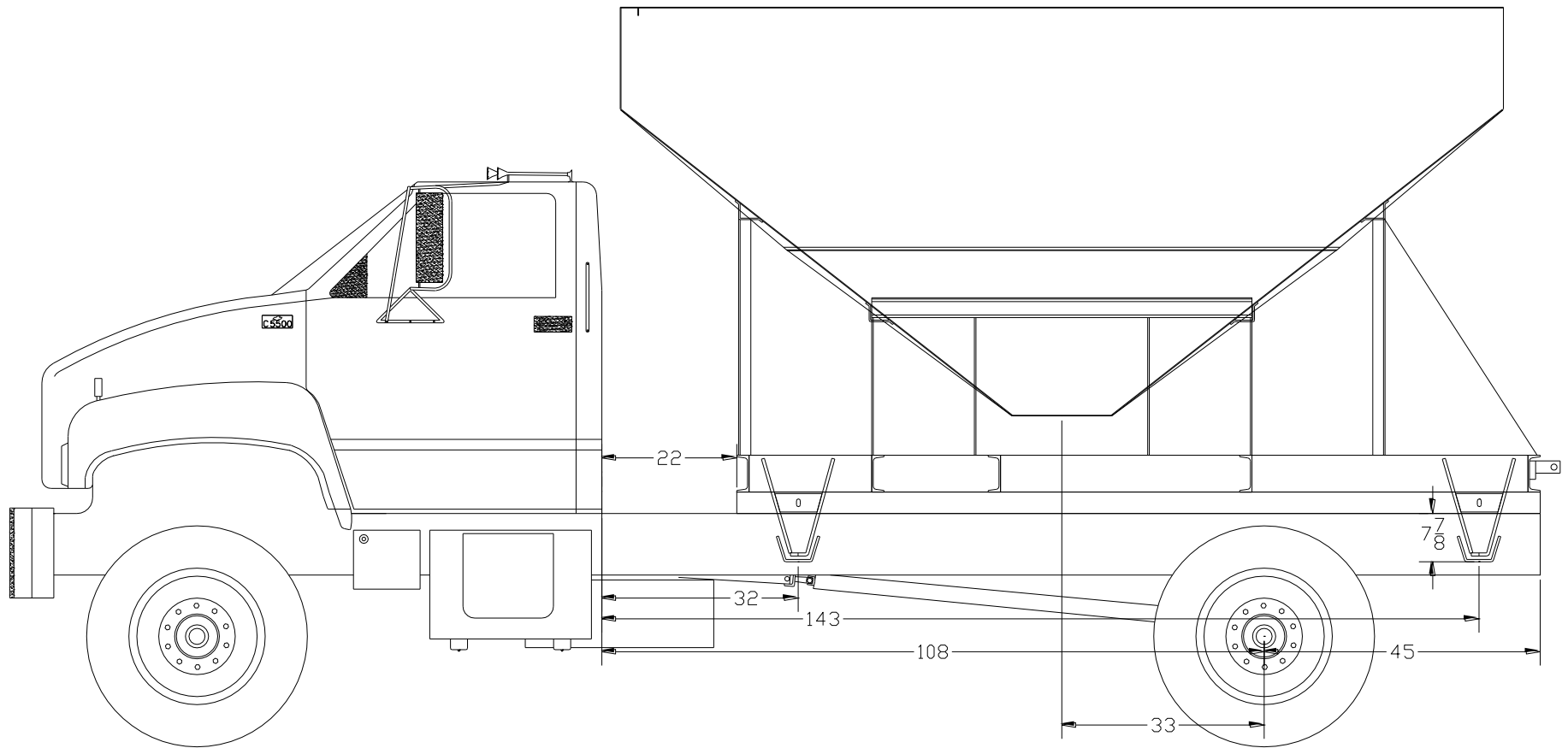
$$\frac{W \times C}{WB} = \text{Weight on Front Axle in pounds}$$

Body and Load Weight on Rear Axle:

$$\frac{W \times (WB - C)}{WB} = \text{Weight on Rear Axle in pounds}$$



3) Tie-Down Location – 10 Ton

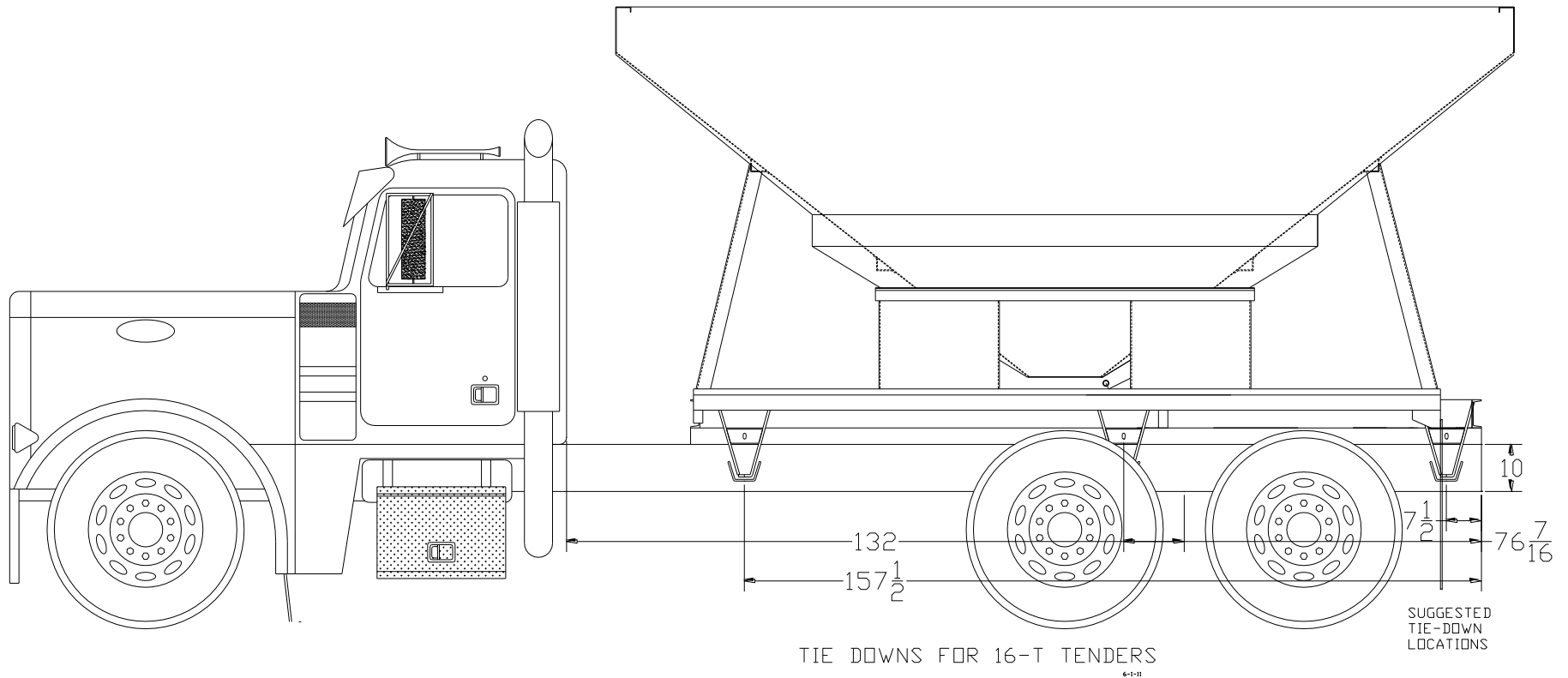


TIE DOWNS FOR 10-T TENDERS

5-23-11

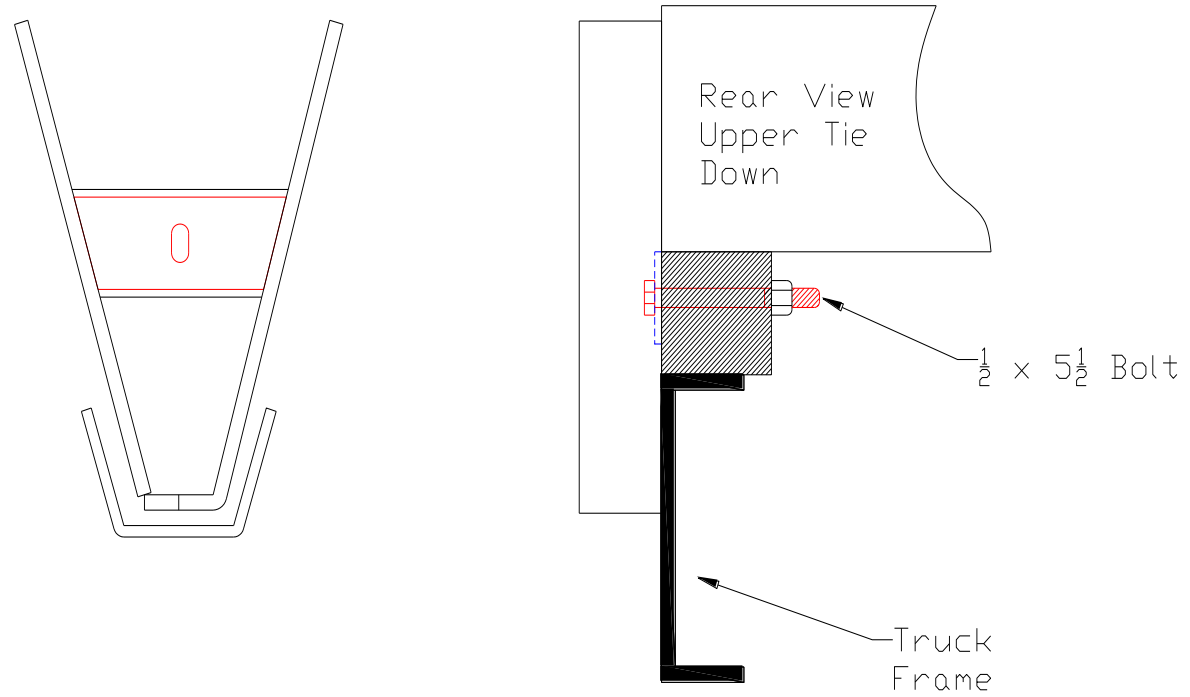
Reference drawing for Tie-Down locations.
See Page **1-2** for weight distribution.
Frame length may vary for weight purposes and auger clearance.

4) Tie-Down Location – 16 Ton



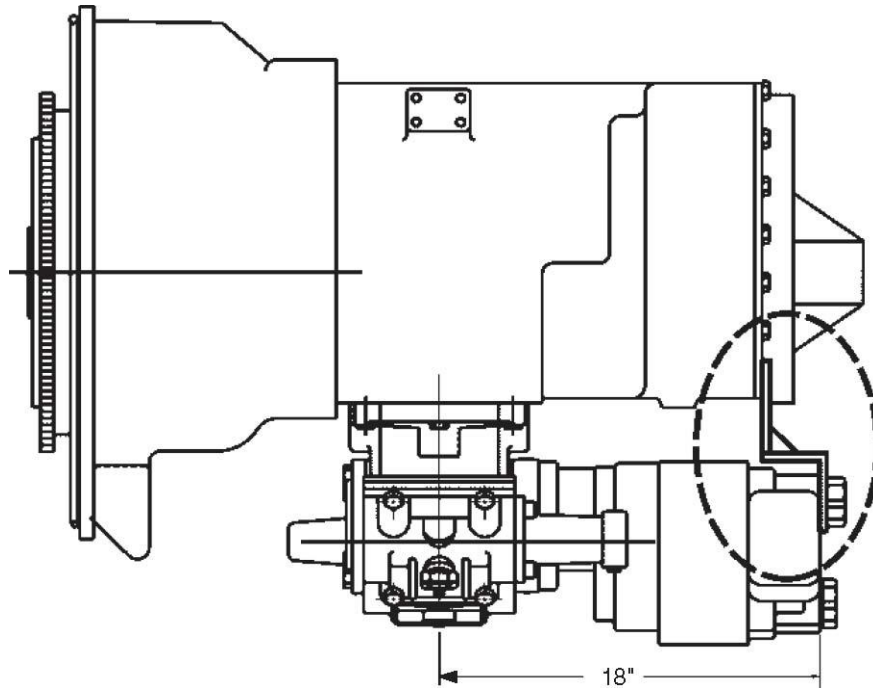
Reference drawing for Tie-Down locations.
See Page **1-2** for weight distribution.
Frame length may vary for weight purposes and auger clearance.

5) Tie Down Installation



Rear Discharge Tenders
using 4" x 4" Boards

6) Direct Mount Pump Support Recommendations



Use caution to ensure that bracket does not pre-load pump/P.T.O. mounting

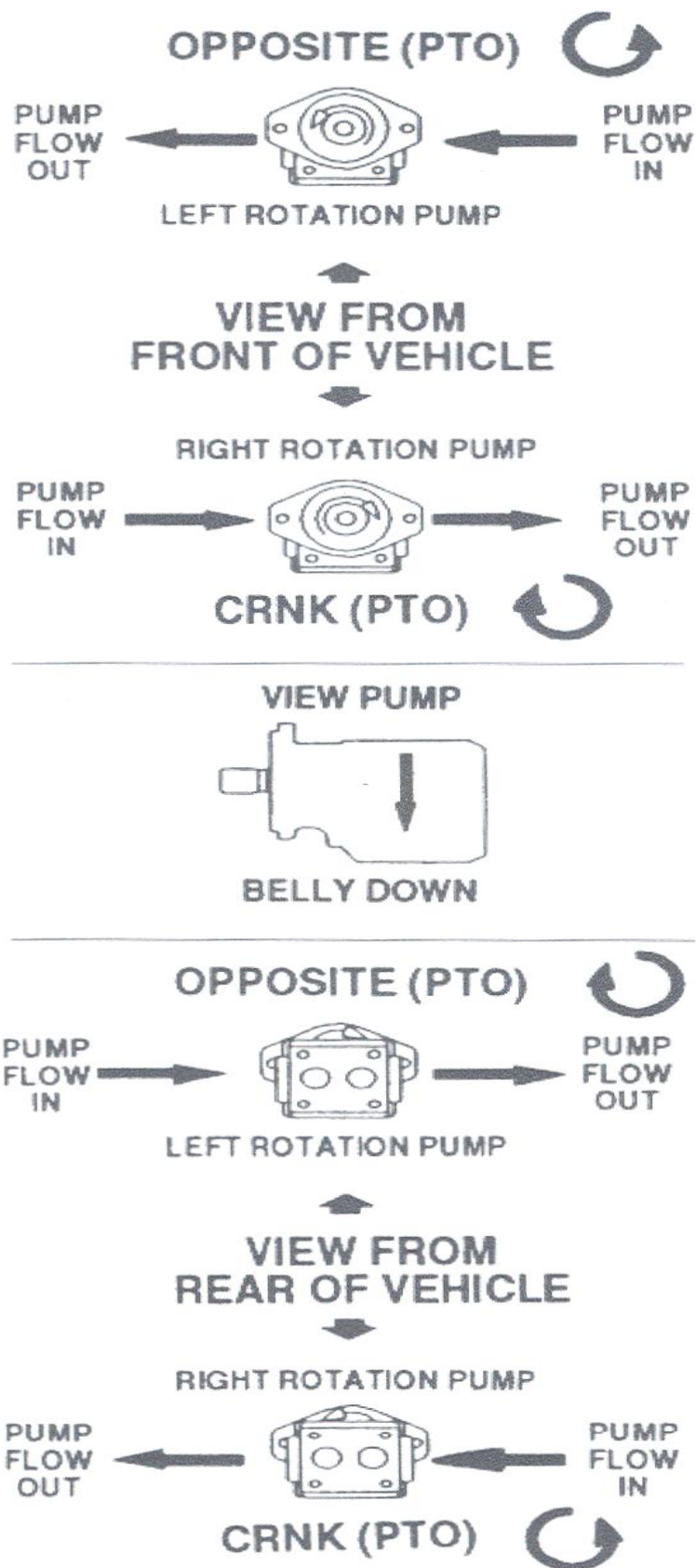
Chandler Equipment Co. strongly recommends the use of pump supports (Support Brackets) in all applications.

P.T.O. warranty will be void if a pump bracket is not used when:

- 1) The combined weight of pump, fittings and hose exceed **40 pounds**
- 2) The combined length of the P.T.O. and pump is **18 inches** or more from the P.T.O. centerline to the end of the pump

ALSO: Remember to pack the female pilot of the P.T.O. pump shaft with grease before installing the pump on the P.T.O. (reference Chelsea grease pack 379688)

7) Hydraulic Pump Installation



8) Hydraulic Drive System Requirements

The Chandler Rear Discharge Tender comes standard with a Commercial P-20 2” gear set pump. The tender requires approximately 20-22 GPM @ 2200 PSI. This can be obtained from a 1400 RPM input from the PTO to the pump. Use the following equation below to match Desired Truck RPM and PTO % combination.

$$\text{PTO \%} = (1400 \text{ PTO RPM} \div \text{Desired Truck RPM}) \times 100\%$$

Example: $(1400 \text{ PTO RPM} \div 1800 \text{ Truck RPM}) \times 100\% = 78\%$

Truck RPM	PTO %
1000	140
1400	100
1500	93
2000	70

$$\text{PTO\%} = (1400 \text{ PTO RPM} \div \text{Desired Truck RPM}) \times 100\% = \text{ _____\%}$$

Note: If pump and PTO combination are not available contact your Local Dealer or Chandler Equipment Service Department at 1-800-243-3319

- GPM (Gallons Per Minute)
- PSI (Per Square Inch)
- PTO (Power Take Off)

Hydraulic Oil Requirements

Oil Type – 46 Series (10 to 15 W)

9) Tender Pressure Settings

1) Checking Pressure

- A) Run unit empty at ordinary operating speed for approximately 10 minutes. This allows oil to reach operating temperatures.
- B) Shut truck off and install pressure into “CF” port on flow control valve. (Refer to hydraulic flow control valve drawing – **page 1-10**)
- C) Set flow control valve on 10.
- D) With PTO engaged and clutch engaged, Increase truck engine to ordinary operating speed.(1500-2000 RPM)
- E) Slowly release clutch while watching pressure gauge
- F) Pressure gauge should read 2200 psi. If not adjust pressure as outlined below.

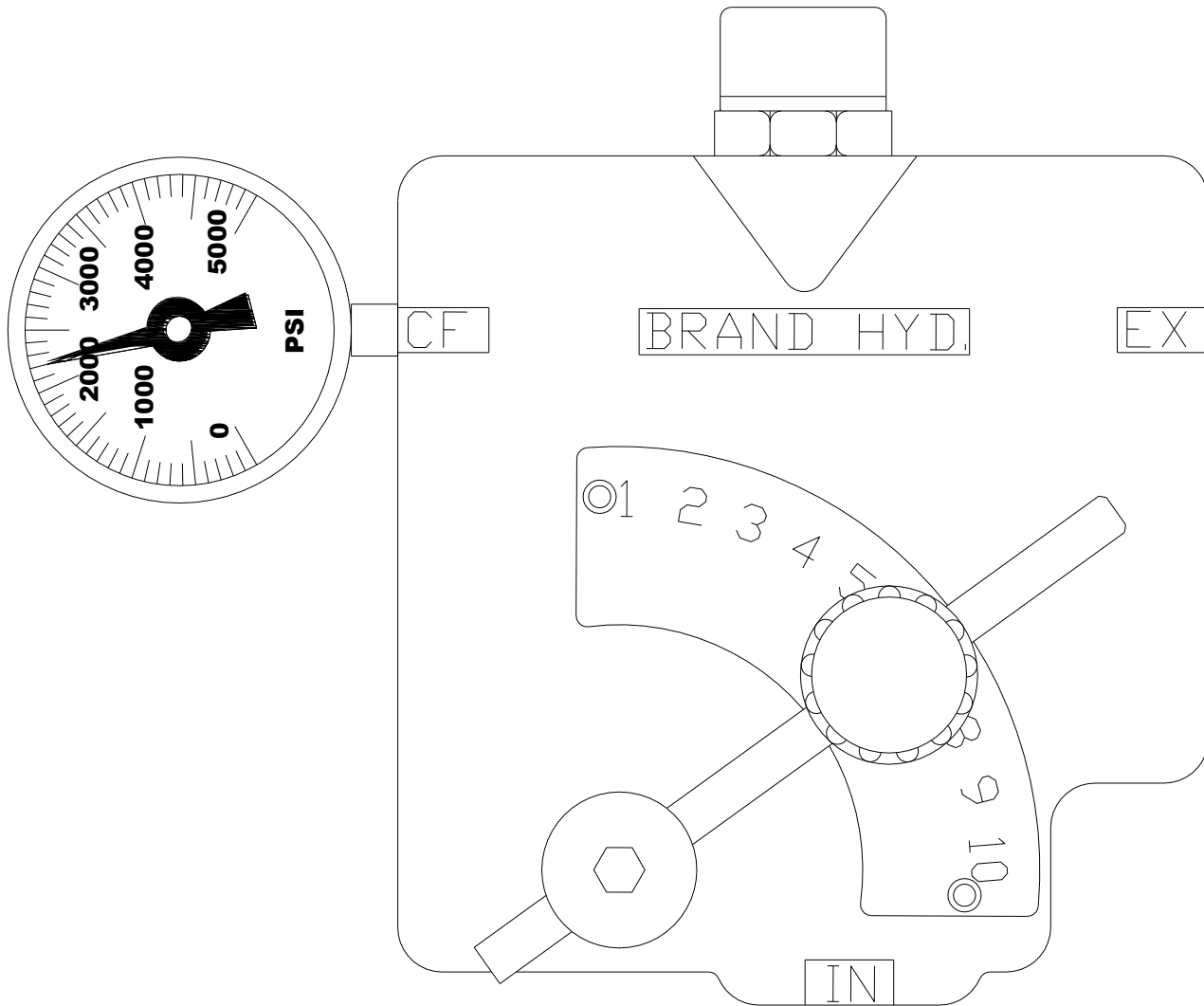
Caution: When checking pressure, never allow truck to run over a few seconds with pump running and gauge installed in line. Once pressure reading is taken engage clutch **immediately.**

2) Adjusting Hydraulic Flow Control Valve Pressure: (Refer to **page 1-12**)

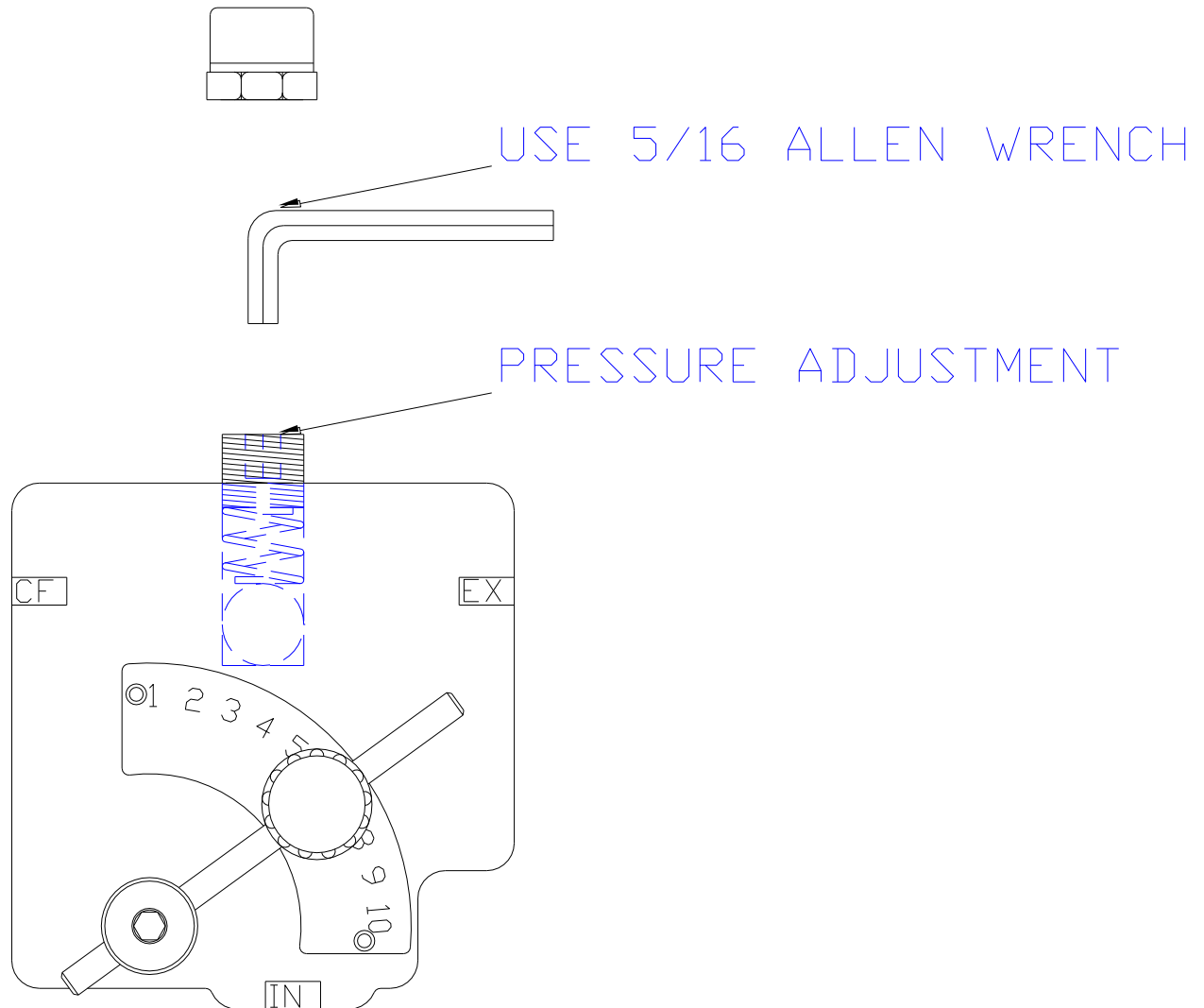
- A) Remove cap nut on flow control valve (located on top of valve)
- B) Using a 5/16 Allen wrench turn adjustment screw “IN” to increase pressure or “OUT” to decrease pressure.
- C) Turn adjustment screw one half turn, then check pressure setting as outlined above.
- D) Continue this procedure until pressure gauge reads **2200 psi.**

NOTE: If unable to obtain 2200 psi contact your local dealer or Chandler Equipment Service Department at 1-800-243-3319

10) How to Install Pressure Gauge



11) How to Adjust Relief Pressure



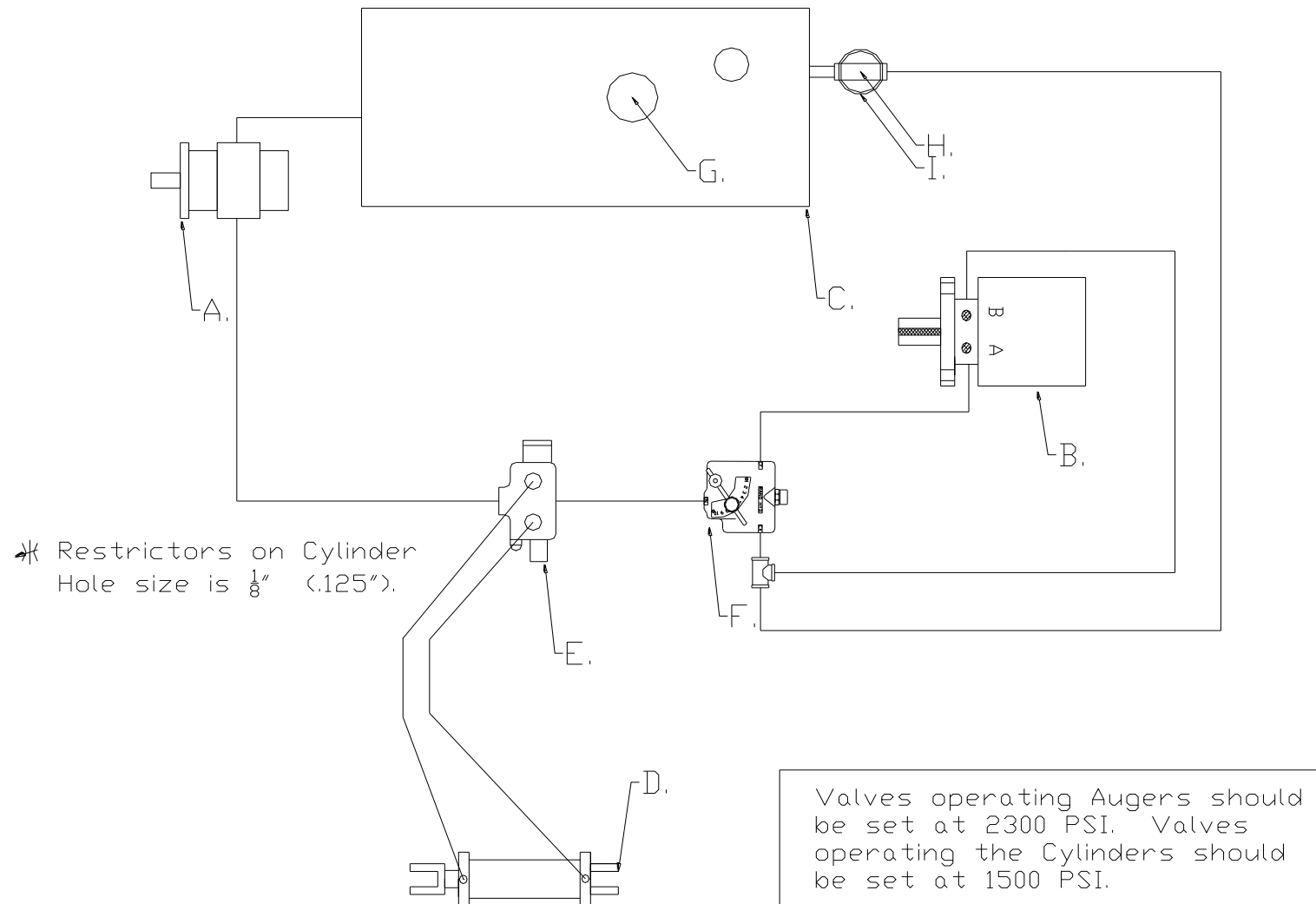
- 1) Remove cap nut on flow control valve (located on top of valve)
- 2) Using a 5/16 Allen wrench turn adjustment screw "IN" (Clockwise) to increase pressure or "OUT" (Counter Clockwise) to decrease pressure.
- 3) Turn adjustment screw one half turn, then check pressure setting as outlined above.
- 4) Continue this procedure until pressure gauge reads **2200 psi**.

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Section 2

Hydraulic System

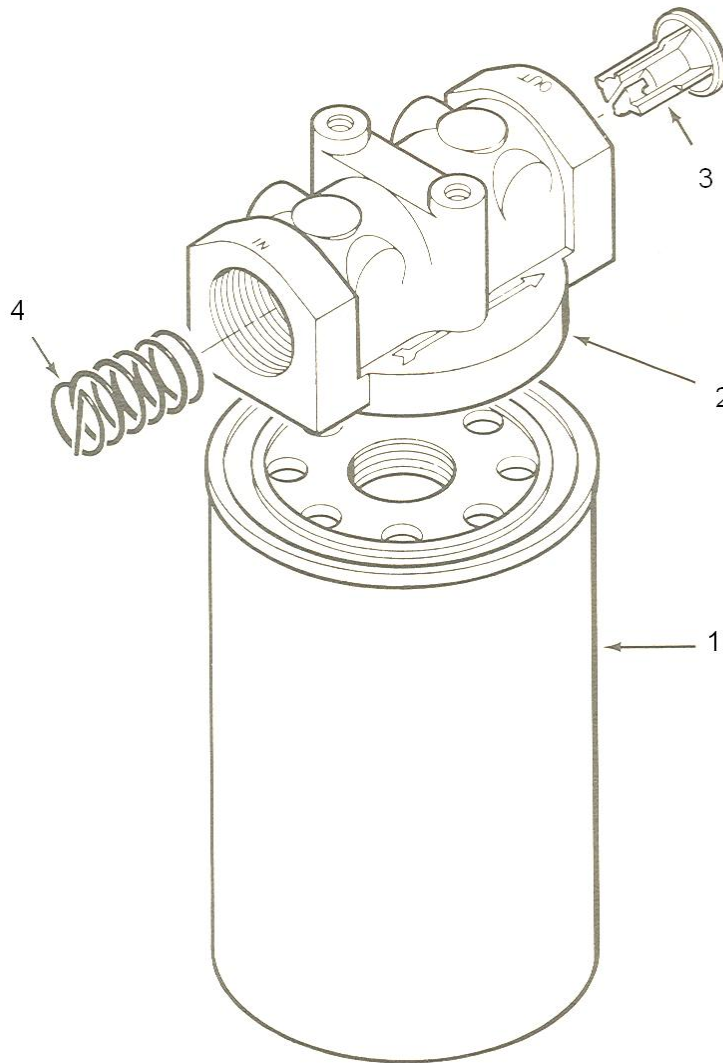
Hydraulic System RDT Auger Tender



Hydraulic System Parts List

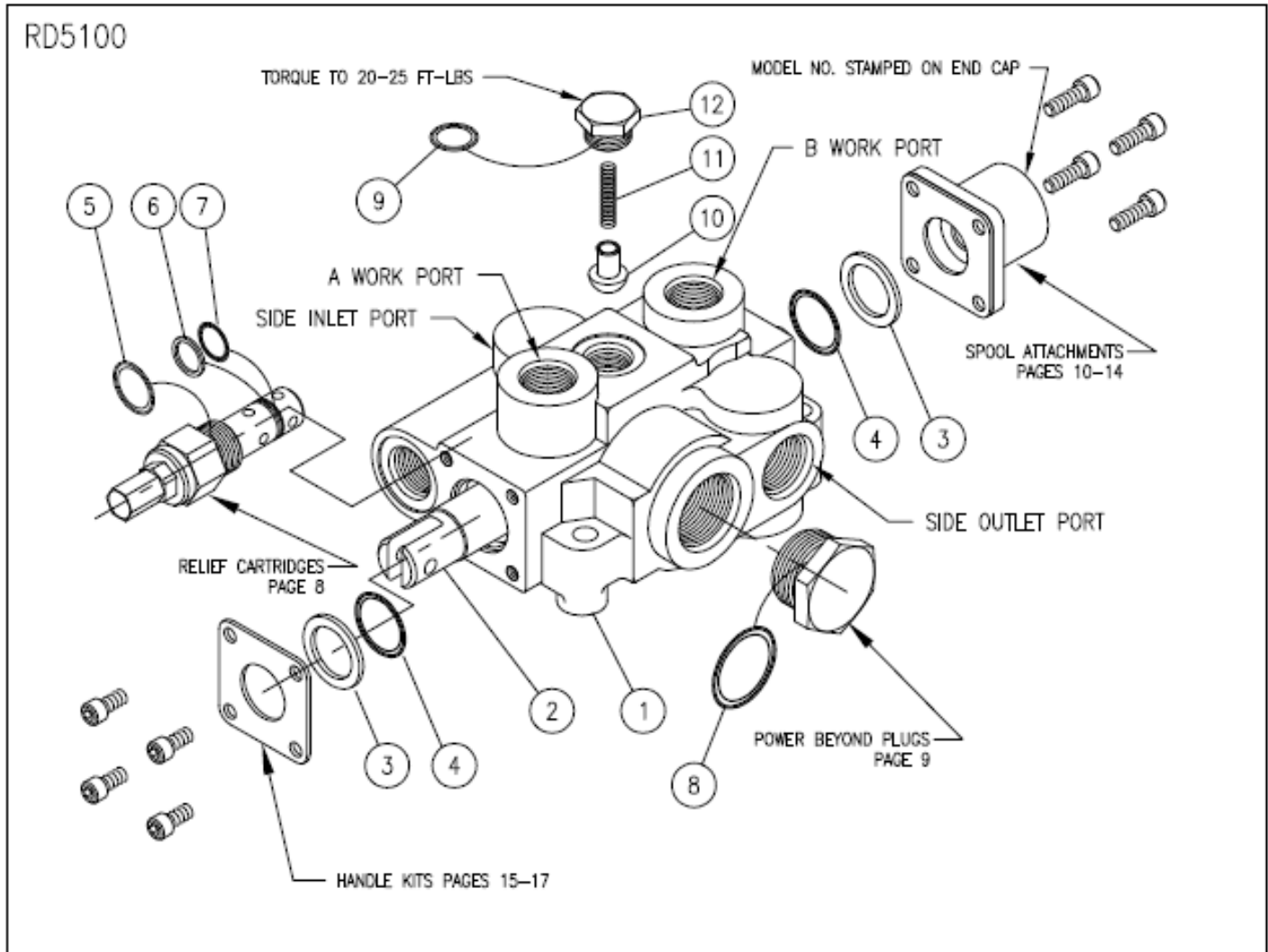
Ref.	Part #	Description	QTY
A	400-C-203	P20 - 2" Gear Set - Hydraulic Pump	1
B	400-R-103	MB 120101 Torque Motor	1
C	400-C-214	Hydraulic Oil Tank - 30"	1
	400-C-216	Hydraulic Oil (46 Series)	20 Gal
D	400-1-303	2.5" x 18" Hydraulic Cylinder	1
E	400-1-337	Valve for Cylinder (RD516CB5A4B1)	1
F	400-1-313	Flow Control Valve (FCR-51-75-125AE)	1
G	400-1-317	Hydraulic Tank Breather Cap	1
H	400-1-318	Filter Assembly - Small	1
I	400-1-319	Filter Element - Small	1
J	400-1-322	Oil Site Gauge	1

Hydraulic Filter Assembly



- | | |
|--------------------------|---|
| 1) Filter Element | 400-1-319 |
| 2) Filter Head | 400-1-318 (when ordering this part # items 3 & 4 are included) |

Hydraulic Valve (Prince – RD5100 Series)



RD5100 1 SPOOL MONO-BLOCK VALVE

ITEM	QTY	PART NO.	DESCRIPTION
1	1		1 SPOOL VALVE BODY
2	1	SEE NOTE 1	SPOOL
3	2	670500010	SPOOL SEAL BACK-UP
4	2	240000213	213 O-RING
5	1	240000116	116 O-RING
6	1	240019015	015 BACK-UP
7	1	240000015	015 O-RING
8	1	240000916	916 O-RING
9	1	240000908	908 O-RING
10	1	670100001	LOAD CHECK POPPET
11	1	670300007	LOAD CHECK SPRING
12	1	671600001	LOAD CHECK PLUG

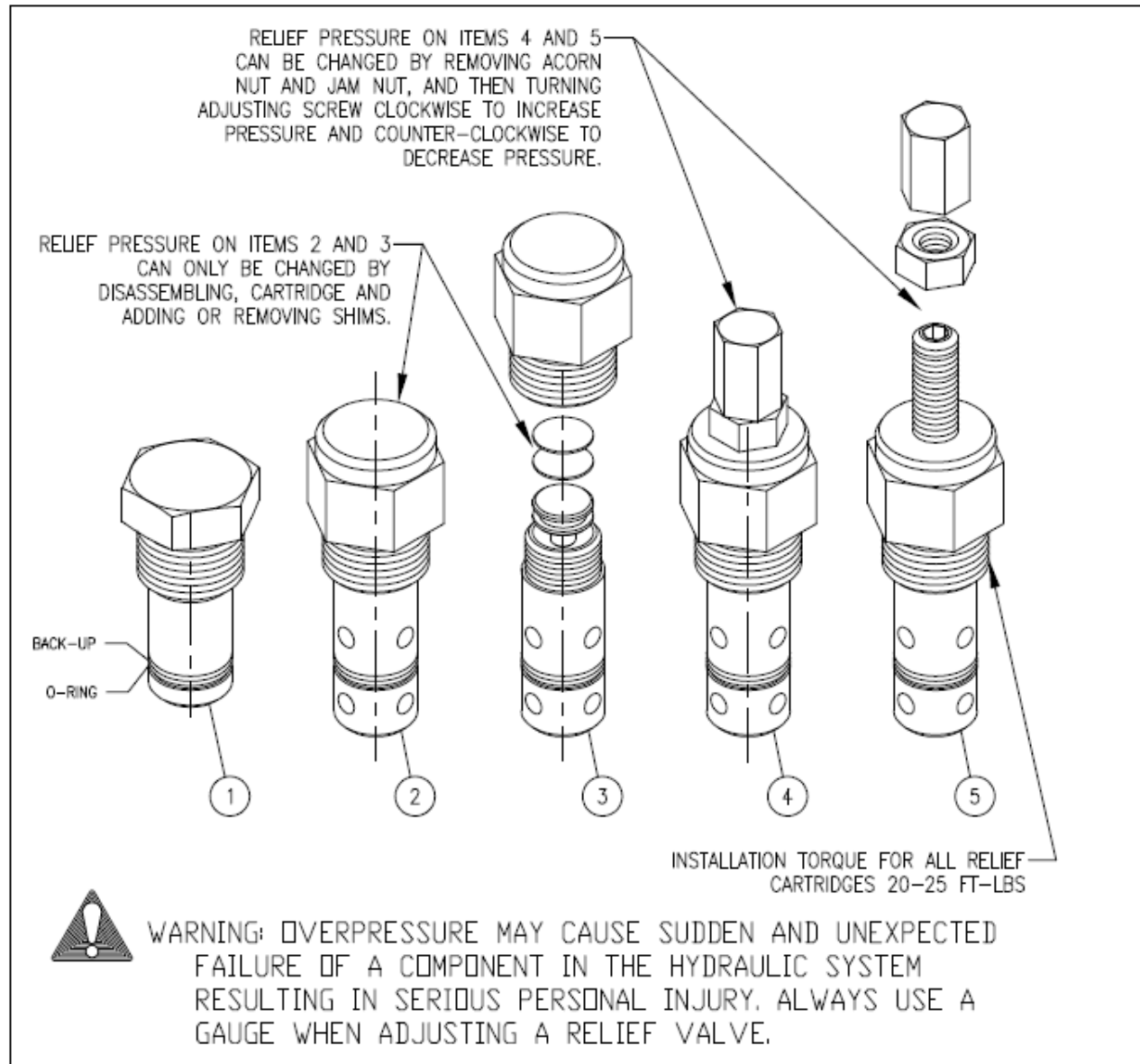
} These are matched parts and are not sold separately.

} SEAL KIT 660551001 (PLUS OTHERS)

} LOAD CHECK KIT, NO. 660150015

NOTE: Chandler Equipment only stocks a limited selection of replacement parts for this style valve. Please check with your local dealer or our Parts Department for availability of replacement parts.

Hydraulic Valve – Relief Pressure Adjustment



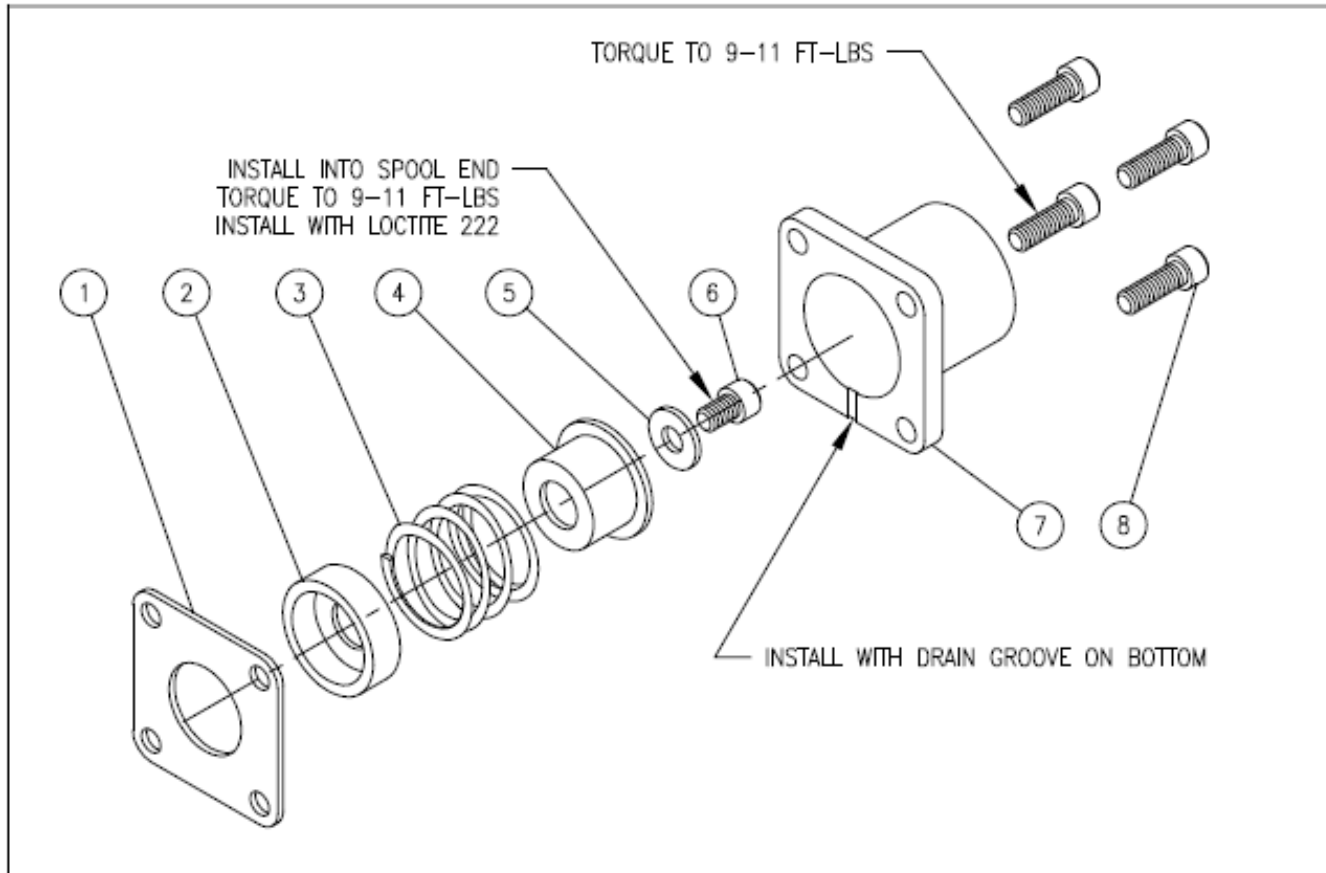
RD5000 RELIEF CARTRIDGES

ITEM	QTY	PART NO. (UNTESTED)	DESCRIPTION	PRESET CARTRIDGE	SETTING
1	1	660250006	NO RELIEF PLUG (OPTION 1)		
2	1	660250005	SHIM ADJUSTABLE RELIEF 500-1500 (OPTION 2)	RV-ONL	1000 PSI
3	1	660250004	SHIM ADJUSTABLE RELIEF 1500-3000 (OPTION 3)	RV-ONH	2000 PSI
4	1	660250003	ADJUSTABLE RELIEF 500-1500 (OPTION 4)	RV-OL	1000 PSI
5	1	660250002	ADJUSTABLE RELIEF 1500-3000 (OPTION 5)	RV-OH	2000 PSI
		672000101	.015 SHIM		
		672000102	.033 SHIM		
		672000103	.060 SHIM		

NOTE: Refer to relief cartridges 4 and 5 for relief pressure adjustment.

NOTE: Chandler Equipment only stocks a limited selection of replacement parts for this style valve. Please check with your local dealer or our Parts Department for availability of replacement parts.

Hydraulic Valve – Spring Center Spool Attachment



RD5000 SPRING CENTER SPOOL ATTACHMENT

ITEM	QTY	PART NO.	DESCRIPTION
1	1	670500003	RETAINER PLATE
2	1	671400001	STOP CUP (INNER)
3	1	670300001	CENTERING SPRING*
4	1	671400011	STOP CUP (OUTER)
5	1	670500004	WASHER
6	1	170003007	SOCKET HD. CAP SCREW
7	1	670500005	END CAP
8	4	170003008	SOCKET HD. CAP SCREW

SPRING CENTER KIT NO. 660150001

*STANDARD CENTERING SPRING CAN BE REPLACED WITH MEDIUM HEAVY SPRING PART NO. 670300047 OR HEAVY SPRING 670300043.

NOTE: Chandler Equipment only stocks a limited selection of replacement parts for this style valve. Please check with your local dealer our Parts Department for availability of replacement parts.

Hydraulic Cylinder

Seal Replacement Guide for Tie Rod Cylinders

1. Remove all port obstructions and make sure all oil has been drained from the cylinder.
2. Clamp rod end mount (6) in vise and fully extend cylinder. If there is no mount. Protect rod threads while clamping.
3. Remove the 4 tie bolt nuts (7) on gland end and un-thread the bolts from the base end.
4. Remove the base (5) and slip the tube off of the gland (3) if necessary, gently tap the gland and base with a rubber Mallet to loosen.
5. Remove piston nut (13) and slip piston (4) and gland off rod (1) drive piston off with gland. Remove gland from the piston end of the rod.
6. Remove old seals from gland, piston and base.
7. Wash and check all parts for excessive wear or obvious defect which might interfere with operation.
8. Lubricate all new seals with STP or heavy oil before assembling.
9. Install new seals (15) (16) (18) & (19) in gland taking care to position the I. D. U-cup (15) toward the pressure as shown in Figure 1.
10. Install piston seal & energizer (17) and internal o-ring (20) into piston.
11. Install o-ring (18) and back-up (19) on the base. See Figure 2 for o-ring/back-up orientation.
12. With a twisting motion push gland onto rod from the piston end.
13. Torque piston nut (13) according to Table #1. Lube gland & piston seals.
14. Slide tube over piston and onto gland. Replace base making sure parts are properly aligned to avoid cutting o-rings.
15. Replace tie rods and torque nuts as specified in Table #1. Use a cross-tightening pattern.
16. Hand stroke cylinder to check for binding.
17. Your cylinder is now ready for operation.

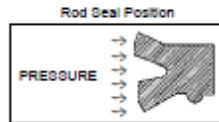


Figure 1.



Figure 2

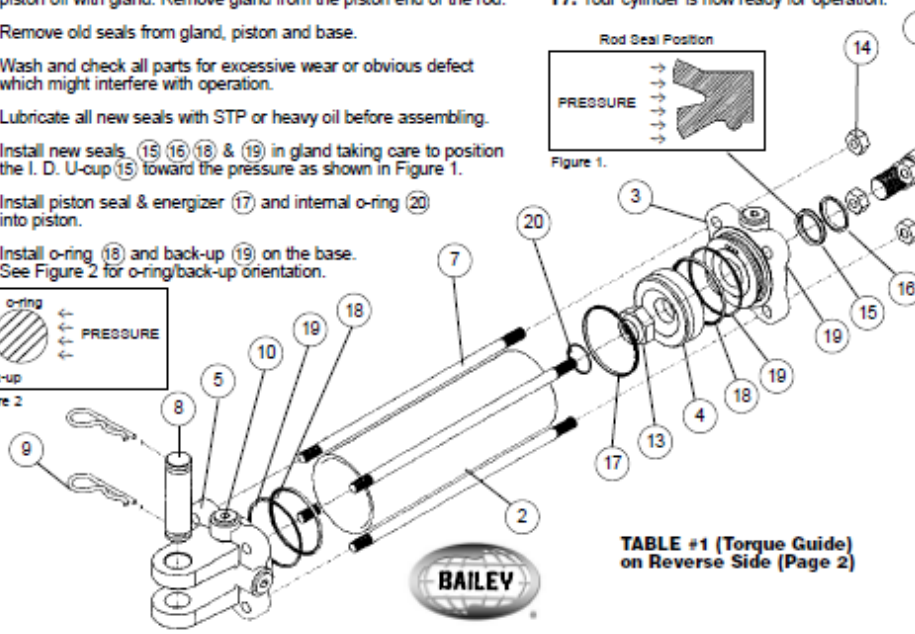


TABLE #1 (Torque Guide)
on Reverse Side (Page 2)

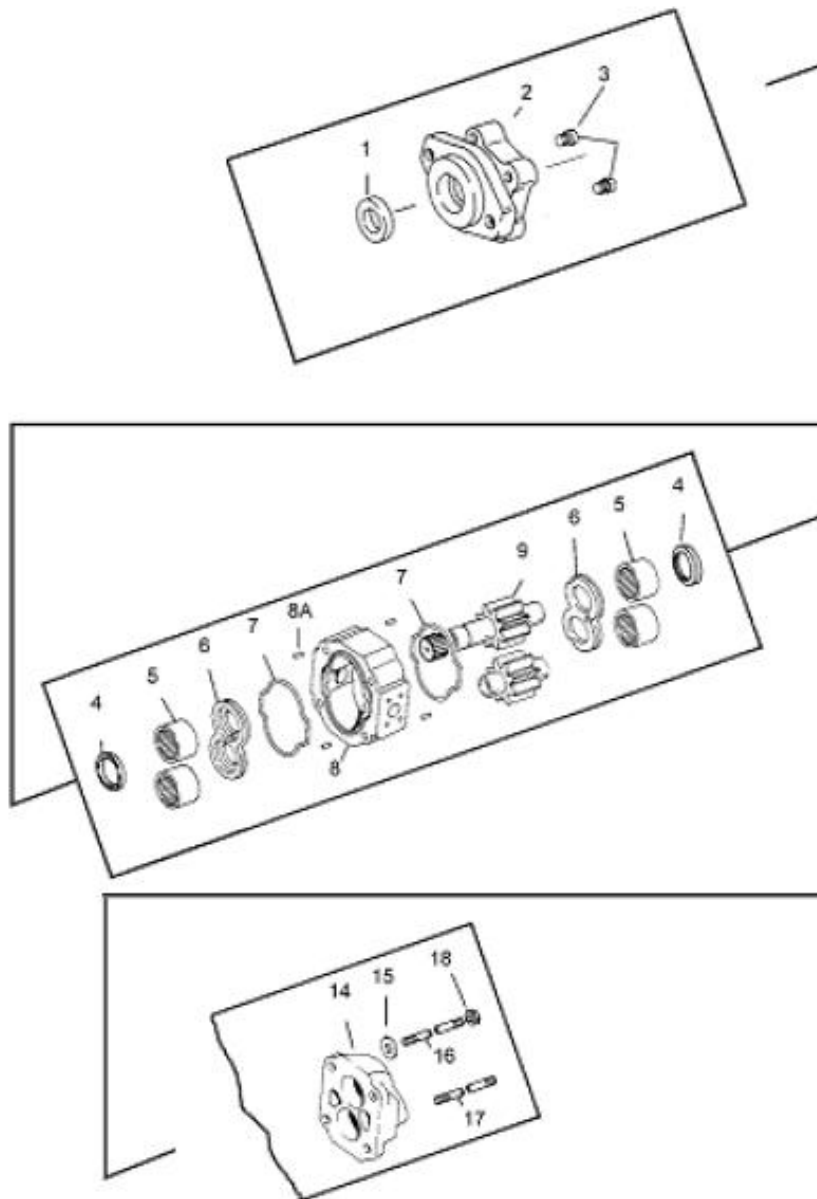
LINE NUMBER	DESCRIPTION	QUANTITY
1	PISTON ROD	1
2	TUBE	1
3	GLAND(HEAD)	1
4	PISTON	1
5	BASE CLEVIS	1
6	ROD CLEVIS	1
7	TIE ROD	4
8	CLEVIS PIN	2
9	R-CLIP	4
10	PORT PLUG	3
11	CLEVIS BOLT	1
12	CLEVIS NUT	1
13	PISTON NUT	1
14	TIE ROD NUT	4
15	ROD SEAL	1
16	ROD WIPER	1
17	PISTON SEAL/ENERGIZER	1
18	ORING	2
19	ORING BACK-UP	2
20	PISTON INTERNAL ORING	1

THE USE AND RECEIPT OF THIS INFORMATION BY ANY RECIPIENT IS SUBJECT TO ALL LIMITATIONS AND RESTRICTIONS SET FORTH ON THE REVERSE SIDE (PAGE 2) OF THIS INFORMATION SHEET. IN NO INSTANCE DOES BAILEY OR THE CYLINDER MANUFACTURER ASSUME ANY RESPONSIBILITY FOR MALFUNCTIONS AND/OR DAMAGE TO EQUIPMENT OF ANY TYPE BASED ON ANY USE OF THIS INFORMATION.

Parts Available from Chandler Equipment

Part #	Description	QTY
400-1-303	2.5" x 18" Hydraulic Cylinder	1
400-1-298	Seal Kit - 2.5" Cylinder	1
400-1-294	Clevis Pin Kit	2

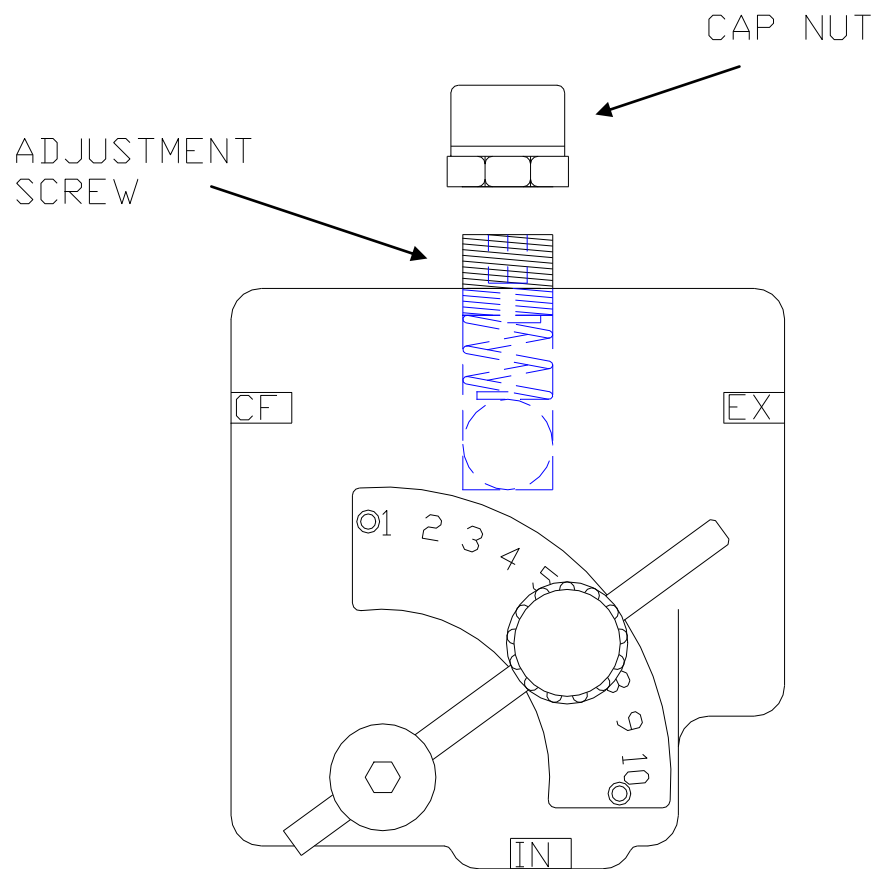
P – 20 2” Gear Set – Single Pump



Ref.	Part #	Description	QTY
1	400-C-208	Pump Shaft Seal	1
10	400-C-224	Gear Set 2"L x 13 Spline	1

NOTE: Chandler Equipment only stocks a limited selection of replacement parts for this style pump. Please check with your local dealer or our Parts Department for availability of replacement parts not listed.

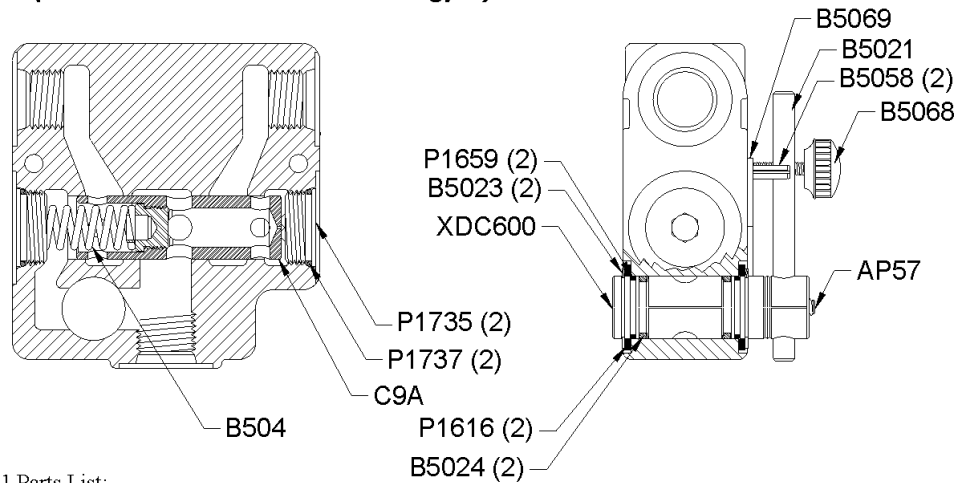
FCR – 51 - .75 Flow Control Valve



Note: Never bottom out adjustment screw. This could damage hydraulic system.



FC51 (Manual Flow Control and 0-30 gpm):



FC51 Parts List:

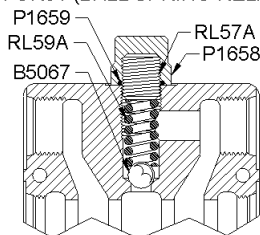
AP57	1/4-20 x 1/4 Set Screw
B5021	Handle
B5023	Snap Ring
B5024	O-ring 2-116
B504	Spring
B5058	3/16 x 7/8 Spring Pin
B5068	10-32 x 3/4 Thumb Screw

B5069	FC51 Dial Plate
C9A	Spool (Standard)
C9A-093	Spool (.093 Dash Pot)
C9A-2P	Spool (2 Port)
C9AS	Spool (.020 Dash Pot)
P1616	Nylon Seal Retainer
P1659	O-ring 2-019 90D

P1735	#12 SAE Plug
P1737	O-ring 2-021 90D
P1740	Identification Tag
XDC598	Spool (30 gpm)

FC Options:

FCR51 (BALL SPRING RELIEF)



FCR51 Parts List:

B5067	1/2 Steel Ball
P1658	Cap Nut
P1659	O-ring 2-019 90D
RL57A	Adjusting Screw
RL59A	Spring

Note: Casting not sold separately.
Replace with new valve.

Auger Motor MB-12

Service Bulletin 050016

Issued February 2003

For TF (MB) and TG (ME) Torqmotor Seal Kits

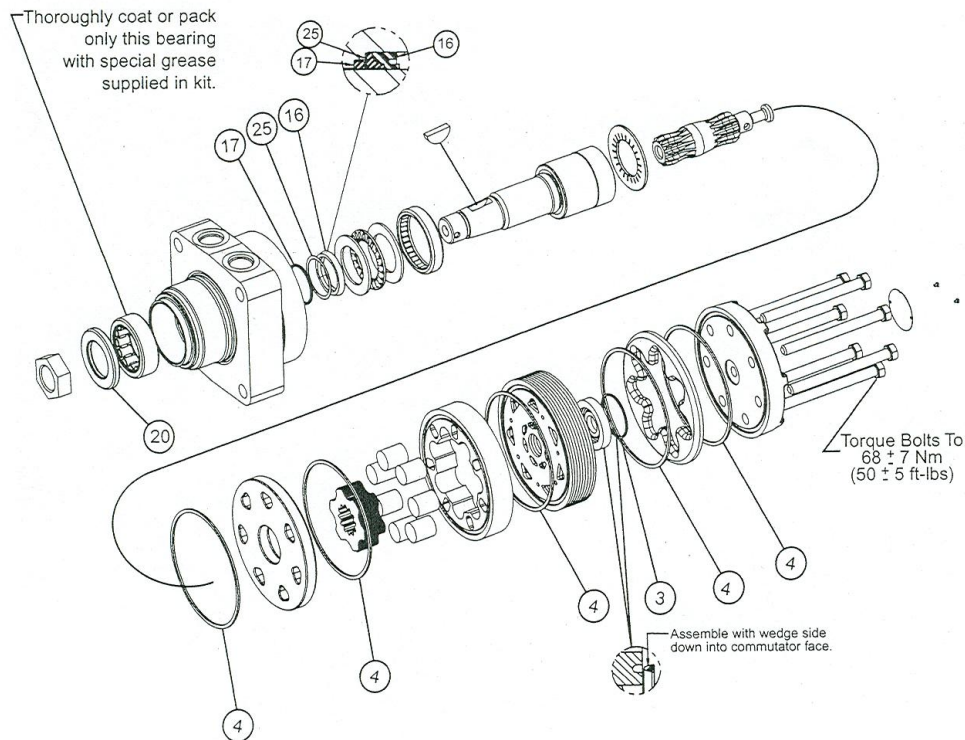
SK000092 (Buna), SK000093 (Fluorocarbon),

SK000099 (Vespel Commutator Seal)

Reference Torqmotor Service Manual SM1512.



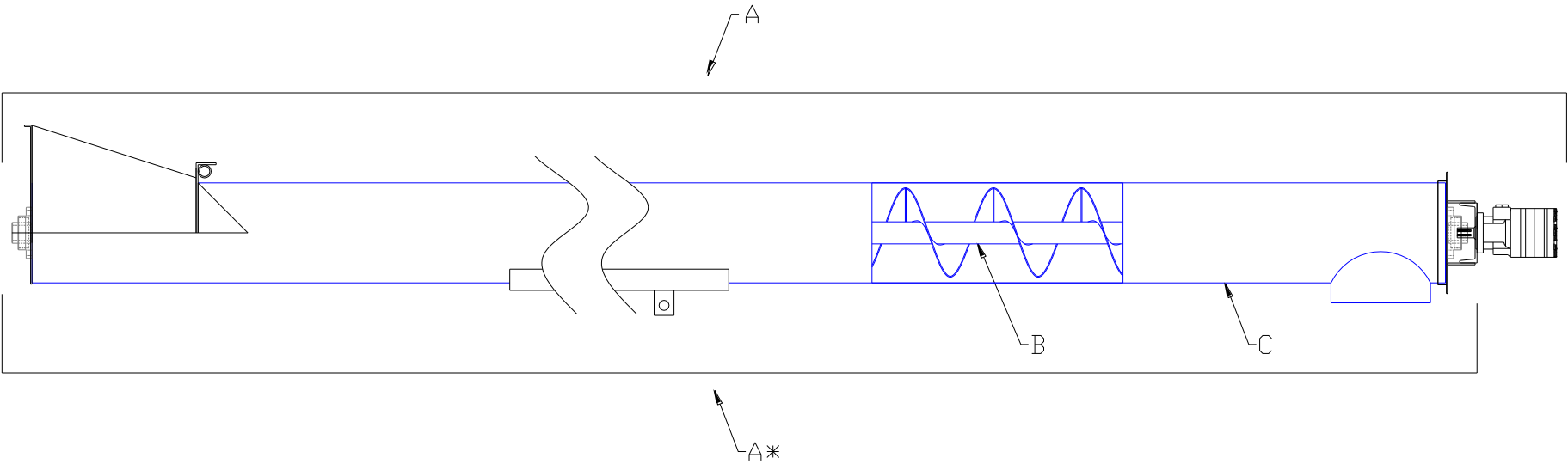
QTY	Item	Description	Buna P/N	Fluorocarbon P/N	Vespel P/N
1	17	Back up ring	028515	028515	028515
1	25	Back up washer	029118	029118	029118
1	3	Commutator Seal	032435	032435	032439
1	16	Shaft Seal	032817	032818	032817
6	4	Body Rings	032819	032820	032819
1	20	D&W Seal	478035	478035	478035
1		Bearing Lubricant	406018	406018	406018
1		Service Bulletin	050016	050016	050016



Section 3

Auger Assembly

Complete Auger Assembly

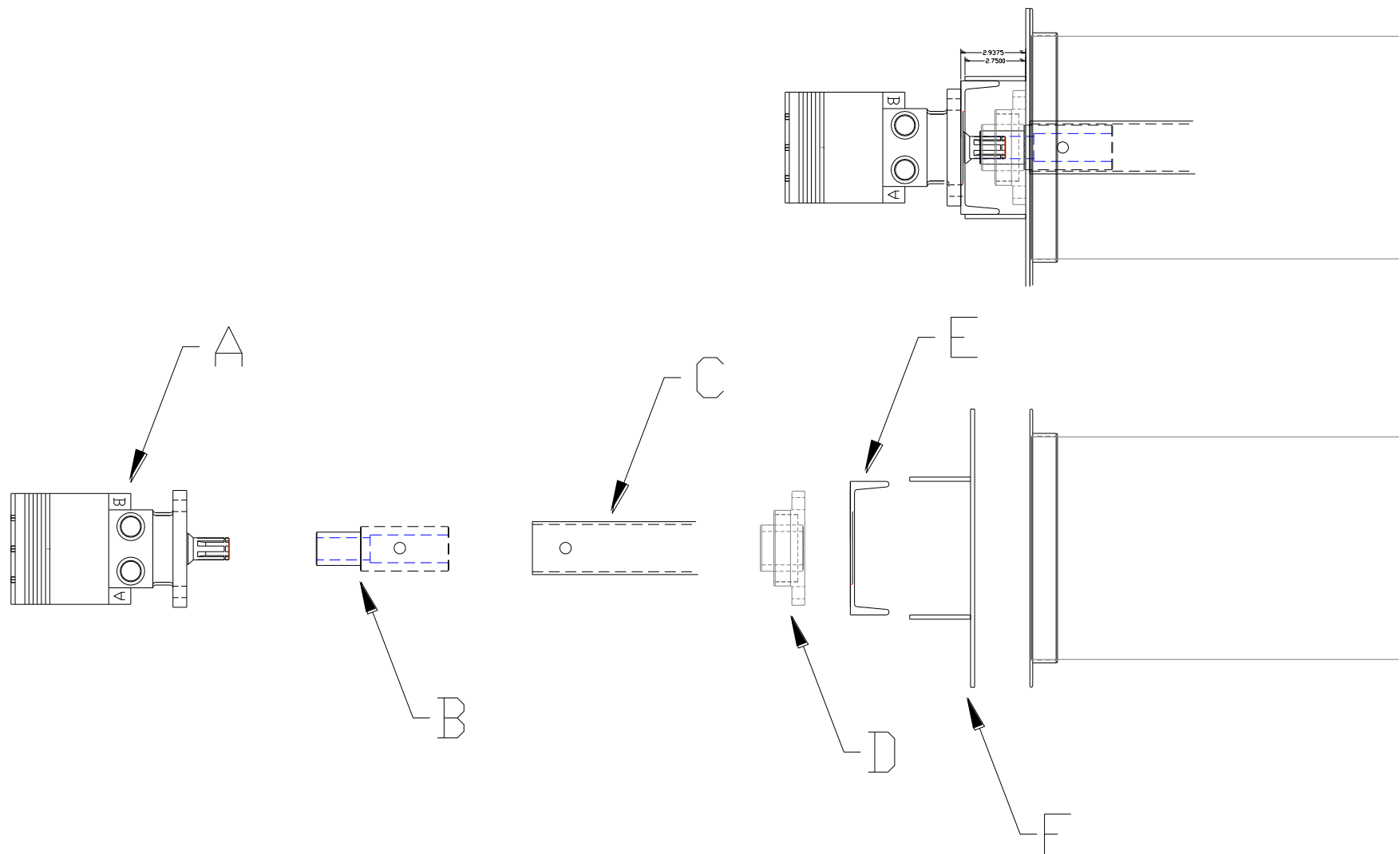


Complete Auger Assembly Parts List

Ref.	Part #	Description	QTY
A	900-1-101	15' Rear Discharge Tube & Auger w/ Hydraulic Motor	1
A	900-1-102	18' Rear Discharge Tube & Auger w/ Hydraulic Motor	1
A	900-1-103	20' Rear Discharge Tube & Auger w/ Hydraulic Motor	1
A*	900-1-104	15' Rear Discharge Tube & Auger w/o Hydraulic Motor	1
A*	900-1-105	18' Rear Discharge Tube & Auger w/o Hydraulic Motor	1
A*	900-1-106	20' Rear Discharge Tube & Auger w/o Hydraulic Motor	1
B	900-1-108	Auger Only 10" (9-1/4" Flighting)	Per Foot
C	900-1-109A	Auger Tube Only 10"	Per Foot
*	900-1-113	10" Flex Tube	Per Foot
*	900-1-114	Boom Pin	1

*** Not Shown ** Order Ref. (A) or (A*) as Needed for your Tender**

Auger Assembly Breakdown



Auger Parts List

Ref.	Part #	Description	QTY
A	400-R-103	MB 120101 Torque Motor	1
B	900-1-111	Spline Sleeve - 2"	1
C	900-1-130	Auger Stub Shaft	1
D	UCF-208-24	1-1/2" Bearing	1
*	900-1-128	1-1/2" Bearing Gasket	1
E	900-1-127	Motor Mount Complete	1
F	900-1-116	10" End Cap	1
**	900-1-121	10" End Cap, Motor Mount Complete, 1-1/2" Bearing	1
*	900-1-119	9-1/4" Flighting	As Required

*** Not Shown ** Includes Ref: D, E, and F**

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Section 4

Operation & Maintenance

Basic Operation of Chandler Rear Discharge Tender

Basic Start Up:

1) Engage Power Take Off (PTO)

- A) Using cable or air shifter engage PTO
- B) After engaging PTO run hydraulic system for 10 minutes. This will allow the hydraulic oil to reach proper operating temperature.
- C) Not allowing hydraulic oil to warm up could damage some components and **Void** warranty.

2) Adjusting Discharge Auger Height

- A) Using raise and lower valve (located on driver's side catwalk) adjust discharge auger to desired height.

3) Starting discharge auger

- A) Start auger by moving the lever on the Flow Control Valve to 6.

4) Setting Engine Speed

- A) Using Engine Throttle Control set engine to desired run RPM

5) Starting Flow of Material

- A) After following steps 1 – 4 open the gate of the compartment you wish to unload half way.
- B) After opening gate, adjust auger speed if necessary, then open the gate all the way open.

6) Stopping Rear Discharge Auger Tender

(After unloading desired amount of material or compartment is empty)

- A) Close Compartment Gate
- B) Turn off flow control valve
- C) Lower discharge auger to auger rest
- D) Disengage PTO

Caution: Never load unit with gates open

Maintenance

We are pleased you selected our equipment. We feel, as we are sure you do, that equipment must be maintained properly and made to last as long as possible. Outlined below are areas to be properly maintained.

1) Gates:

The gates and gate slides are manufactured from type 304 Stainless steel. The only maintenance required should be Occasionally cleaning the slides.

2) Auger:

Frequent cleaning of auger and auger tube is advisable.

3) Bearings:

Although Chandler tenders come with factory pre-greased Bearings, we recommend that you grease all bearings before Using your tender.

Do Not over grease bearings

Only one shot of grease per day.

Over greasing bearings will shorten the life of the bearings.

4) Hydraulic System:

Hydraulic filters should be changed every 120-200 hours or

Every four months.

Chandler tenders come with 10-micron filters.

Use of filters not meeting these specifications could damage Hydraulic components and void warranty.

Hydraulic Oil

Kendall Four Seasons

ISO VG 46

SAE 15W

Hydraulic Oil Level – Chandler tenders come with oil level sight gauge.

Oil level should be to the top line on the gauge. Never let oil

Level get less than half way down on sight gauge

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