

Gardner

Denver

SERVICE AND REPAIR MANUAL

DRY BULK TRUCK BLOWER

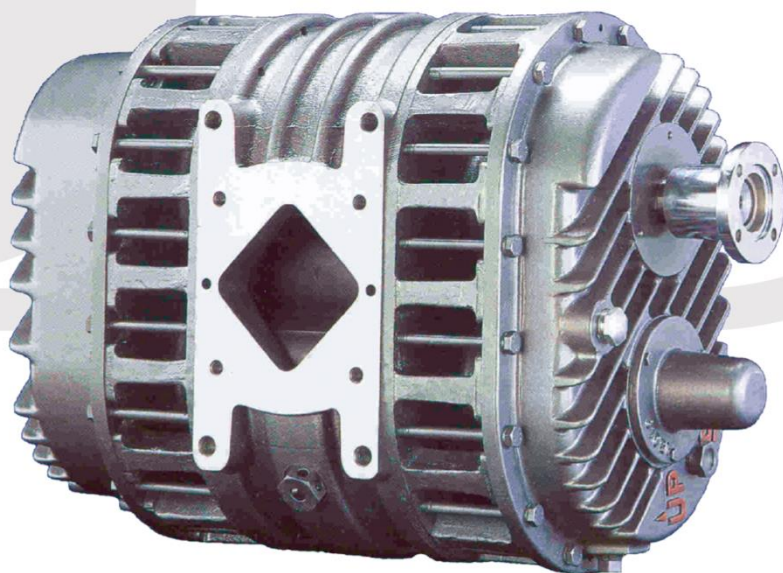
D807

D907

D807-6-100

VERSION 00

March 16, 2015



⚠ DANGER



**SAFETY PRECAUTIONS INSIDE.
PLEASE SEE BACK COVER**



Table of Contents	Page
Torque Requirements.....	2
Oil Requirement.....	2
Clearances	2
Disassembly Procedures.....	3
Assembly Procedures	3
Parts List	6
Optional Accessories.....	8
Tool List.....	16
Safety.....	19

WARRANTY

The seller warrants the goods sold hereunder against defects in workmanship or materials under normal and proper installation for a period of twelve (12) months from the date of delivery. BUYER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY IS FOR THE REPAIR OR REPLACEMENT AT SELLER'S OPTION, WITHOUT CHARGE TO BUYER EXCEPT FOR SHIPPING EXPENSES, AT THE OFFICE OF THE SELLER IN LOUISVILLE, KY, OF ANY PART WHICH HAS PROVEN TO BE DEFECTIVE AT THE TIME IT WAS DELIVERED. ANY GOODS UNDER WARRANTY MUST BE DELIVERED TO THE SELLER'S OFFICE FOR INSPECTION BY THE SELLER AND, IF ANY SUCH GOODS ARE FOUND TO BE DEFECTIVE, FOR REPAIR OR REPLACEMENT. ALL FREIGHT AND EXPENSES OF SHIPMENT TO AND FROM SELLER'S OFFICE SHALL BE BORNE BY THE BUYER. THE SELLER IS NOT RESPONSIBLE FOR ANY EXPENSES OF ANY NATURE INCURRED FOR ANY REPAIRS TO ALTERATIONS MADE BY OTHERS TO THE GOODS OR ANY OTHER EQUIPMENT WITHOUT THE PREVIOUS WRITTEN CONSENT OF THE SELLER. SHOULD THE GOODS BE PARTIALLY OR FULLY INSTALLED, ALTERED, STRIPPED, REPAIRED, SERVICED, OR MAINTAINED BY ANY PERSON OTHER THAN AUTHORIZED AGENTS AND EMPLOYEES OF THE SELLER, WITHOUT THE PREVIOUS CONSENT OF THE SELLER, OR MISUSED IN ANY WAY, THIS WARRANTY SHALL BE VOID. THIS WARRANTY CONSTITUTES THE ONLY WARRANTY BY THE SELLER OF THE GOODS AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER BE LIABLE FOR BUYER'S ATTORNEY'S FEES.

NO CONSEQUENTIAL DAMAGES: UNDER NO CIRCUMSTANCES SHALL THE SELLER BE LIABLE FOR (A) ANY DAMAGE, INJURY, BREAKAGE OR LOSS OF ANY KIND WHATSOEVER, (B) ANY LOSS OF INCOME, OR (C) ANY CONSEQUENTIAL LOSS. NO TORT LIABILITY:

SELLER DISCLAIMS ANY LIABILITY FOR CLAIMS BASED ON SELLER'S NEGLIGENCE OR STRICT LIABILITY IN TORT. PARTS: This warranty and all disclaimers and limitations of liability shall apply to all parts sold to buyer. TRAINING AND SUPERVISION: The buyer hereby assumes the affirmative duty to properly educate, instruct and supervise its employees and all others, except employees of the Seller, in the safe, proper use and operation of the goods. The Buyer agrees to indemnify the Seller for any damages paid by the latter as a result of the Buyer's failure to perform this affirmative duty. The goods are not designed or intended for use with every substance. If the material which the buyer contemplates transferring with the goods has corrosive or polymerizing or other properties which may result in unsatisfactory or dangerous operations, the Seller has no liability or responsibility for performance of the goods. **RETURN OF GOODS:** No goods supplied may be returned to the Seller for credit without the Seller's prior written authorization before transportation thereof commences and in such cases transportation must be prepaid and the Buyer's name, address, original order number and the Seller's invoice number must be clearly marked on the shipping tag.

If any goods are returned to the Seller for repair or under warranty and no instructions are received within two months after Seller receives the goods for repair or sends notice to Buyer of the disallowance of a warranty claim, the Seller reserves the right to scrap the goods returned, and no subsequent claim for any costs or losses will be accepted.

APPLICABLE LAW AND VENUE: The rights and obligations of the parties hereunder shall be governed in all respects, including all questions of construction and performance of this order, by the laws of Kentucky. All disputes concerning this order shall be resolved in an appropriate state or federal court located in Louisville, Kentucky.

MODIFICATION OR RESCISSION: This warranty can only be modified or rescinded by a written agreement signed by an officer of both the Buyer and the Seller.

GARDNER DENVER, INC., Louisville, Kentucky (502) 266-6677

REPAIR PARTS ORDERING

When ordering repair parts, give the following information:

- Complete model number and serial number of unit
- Description of part and part number shown on parts list. (page 6 and 7)

TORQUE REQUIREMENTS

- M10 X 1.5 Screws 29 ft. lbs. (40 Nm)
- M14 x 2 Screws 80 ft. lbs. (110 Nm)

OIL REQUIREMENTS

Fill both Non-Drive End and Drive End of blower with oil to the center of oil level sight glasses, while machine is not running.

- **Standard Oil:** AEON PD Synthetic Lubricant is supplied with machine, capacity as above.
- **Food Grade Oil:** AEON PD-FG Food Grade Synthetic Lubricant

	HORIZONTAL AIR FLOW	VERTICAL AIR FLOW
Non-Drive End	approx. 25 oz. (.0.8 qt.)	approx. 52 oz. (1.6 qt.)
Drive End	approx. 15 oz. (.0.5 qt.)	approx. 31 oz. (1.0 qt.)

CAUTION: Mixing or incorrect oil can result in gear and bearing failure.

NOTE: Food grade oil does not have the longevity of synthetic oil. More frequent oil changes are necessary based upon duty cycles) to prevent premature bearing wear.

NOTE: Change oil ever 500 hours, twice a year or as necessary (based upon duty cycle) to Prevent premature bearing wear.

CLEARANCES

(Dimensions in Thousandths of an inch)

Blower clearance specifications

Model	Gear End	Free End	Interlobe	Tip-Dowel	Tip-Port
D807	5 ñ 11	12 ñ 18	13 ñ 17	6 - 10	9 - 13
D907	5 - 11	14 - 20	13 - 17	6 - 10	9 - 13

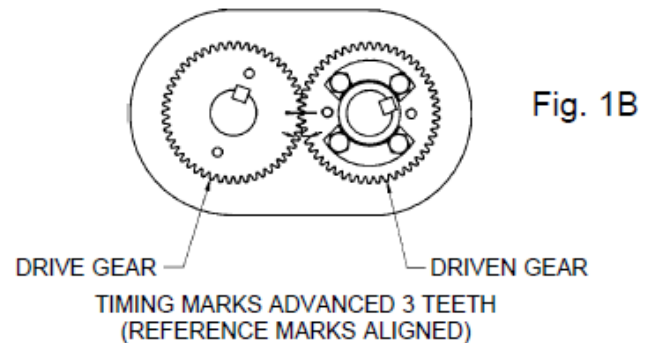
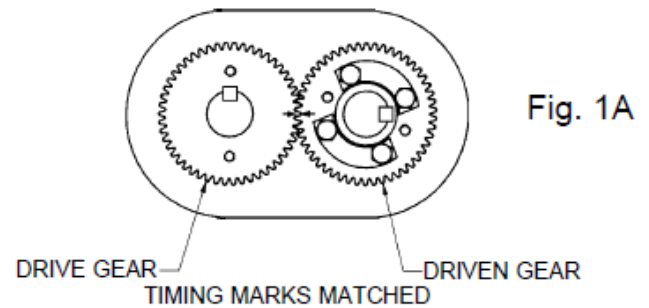
DISASSEMBLY

1. Drain oil from both covers by removing magnetic drain plugs.
2. Mark all parts with a center punch so that they can be reassembled in same position (rotors, and plates, housing and cover).
3. Remove key from shaft.
4. Remove oil slinger (20) and retainer plates (14) on drive end sideplate.
5. Install a pair of gear plates p/n 530061204, to each bearing bore. Alternately turn two 2-ton, 2-jaw pullers (CG240) to remove end plate *4) from rotor housing (3). Tap out roller bearings (10), seals (12) and (51), seal retainer (219).
6. Turn unit around and remove bolts and washers (26 & 27). Tap non-drive end cover (7) with mallet to break sealant and remove.
7. Remove bolts and washers (29 & 25) using 7/8" socket. Replace bolts in end of rotor to protect threads when using puller.
8. Position the blower with the driven gear on the right. Align the timing gears for pulling by first matching the timing marks on the gears. See Fig. 1A. Turn the drive gear clockwise three teeth and mark a matching reference line on each gear as shown in Fig. 1B. The rotor lobes are now in their most open position. Using a puller, CG240, the driven gear (left hand helix) may now be removed without jamming the rotors. This gear is in two parts—the gear rim and hub. It is not necessary to disassemble. Do not allow the gears to move from the matched reference line while pulling. Use a light rocking motion while pulling the gear to ensure that the lobes have not jammed. Remove drive and non-drive gears. It is necessary to remove keys from rotor shafts so that the gear plates can be fitted for removing rotors from sideplates.

WARNING: Failure to properly pull the gears could result in damage to rotor keyways or a bent rotor shaft. Rotors must be free when pulling. If machine is locked up, pull both gears simultaneously.

WARNING: Discard gear retaining bolts after disassembly. These bolts are installed with permanent Loctite and may fail if reused.

9. Remove cap screws (61), washers (62), oil deflector (15) and bearing lock plates (14).
10. Bolt gear plate p/n 53006124, with M6-70mm hex head screws p/n 124006070, to side plate. Then use puller, CG240, to press a rotor out of the sideplate. Repeat process for other rotor.



11. Carefully separate end plate from housing and tap out bearings (9), lip seals (12), labyrinth seals (51) and retainers (219).
12. Clean all parts for inspection if there has been any metal to metal contact. Please consult your distributor or factory for full specification sheets. NOTE: Rotors, sideplates, body, bearing, journals can be remanufactured. Inspect timing gears for wear and pitting. Factory bearings and seals should be installed.
13. It is important to determine cause of failure, i.e., over-speed, pressure, lack of lubrication, etc., as it may necessitate changes in operational procedure, to ensure longer machine life.

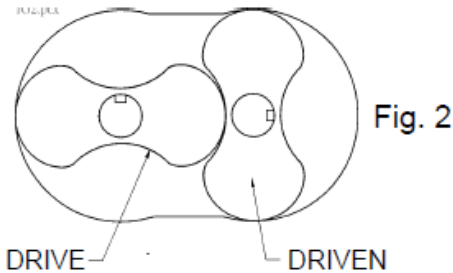
ASSEMBLY

1. Make sure all parts are clean and free of any nicks or burrs caused by disassembly. See page 10 for seal pressing tools.
2. Press labyrinth seals (51), using tool p/n 530061202, with step facing up, into both end plates (4&5). Press retainer downward with cupped side down until firmly seated on top of labyrinth seal.
3. Coat O.D. of lip seals (12) with Permatex #2 or equivalent, and press into end plates, using tool p/n 530061203, with lip facing upward until seated. Lubricate lip seal with grease.

ASSEMBLY (Continued)

Gear End Assembly

- Stand rotors in press with gear ends up. It is advisable to rest the rotors on the lobe ends rather than the shaft end. Drive rotor should be on the left in a horizontal position and the driven rotor vertical. Make sure keyways are facing in the direction shown in Figure 2. Lubricate shaft ends with oil so that seals are not damaged on assembly.



- Carefully install end plate (5) over shafts.
CAUTION: Make sure the two ½" diameter oil drain holes on the face of the end plate are positioned at approximately four o'clock.
- Lubricate shafts and install bearings (9) with bearing numbers up. If no bearing number appears on either side, look for a small acid mark (dot). This mark must be up.
CAUTION: These bearings have been flush ground on one side. Do not use standard bearings which have not been flush ground within .001 tolerance. (This modification is not reflected in the universal bearing number, use factory approved parts.)
- Install bearing retainer rings (14), with cutoffs facing drain hole, and oil deflector plate (15) on driven plate (right-hand side). Secure with cap screws (61) and flat washers (62).
- Check clearance between the face of the end plate and rotor lobes. See clearance chart. If clearances are not within specifications, recheck parts to find cause of improper clearance before proceeding.
- Install gear keys (24) in rotor shaft keyways flush with top of rotor shaft. Lubricate shafts.
- Some models are fitted with split gears which incorporate a locking tab that engages the gear alignment dowels. On this model, the locking tab must be left in place while removing or installing the gear hub. This will allow the dowel pin to be retained to the outer gear shell. Install driven gear (right-hand

helix). To install drive gear hub, align reference marks as shown in Figure 1B. Carefully install split gear to avoid mashing any teeth when engaging opposite gear.

- Install washers (25) and secure with cap screws (29) using a few drops of Loctite #242 (removable thread locker) on each screw.
- Remove assembly from press and stand on work table with gears down. Place blocks under end plate to prevent assembly from falling over. Drive gear should remain on left side.
- Install housing (3) over rotors, making sure dowel pins (22) are still in place and punch marks are lined up. It is necessary to use a sealant on either side of housing. Secure temporarily with four evenly spaced hex head cap screws M10 x 25mm p/n 128010425.
- Check end clearance with depth micrometer with a flat bar or feeler gauges.
- Wrap keyways with cellophane tape. Install drive end plate, making sure dowel pins (22) are still in place and the punch marks are in line.

CAUTION: Make sure the two ½" diameter oil drain holes on the face of the end plate are positioned at approximately four o'clock.

Remove tape and install oil slinger on bottom shaft, securing grub screws by using a few drops of Loctite #242 (removable thread locker) on each screw. Install drive end cover (6) using silicone sealant and secure with capscrews and washers (27 & 301).

Adjusting Rotor Interlobe Clearance

- The driven gear is made of two pieces. The outer gear shell is fastened to the inner hub with four cap screws and located with two dowel pins. Some models are fitted split gears which incorporate a locking tab that engages the gear alignment dowels. On this model the locking tab must be left in place while removing or installing the outer gear shell. This will allow the dowel pins to be retained to the outer gear shell. A laminated shim, made up of .003 laminations, separates the hub and the shell. By removing or adding shim laminations, the gear shell is moved axially relative to the inner hub. Being a helical gear, it rotates as it is moved in or out and the driven rotor turns with it, thus changing the clearance between rotor lobes. Changing the shim thickness .014 will change the interlobe clearance approximately .005.

ASSEMBLY (Continued)

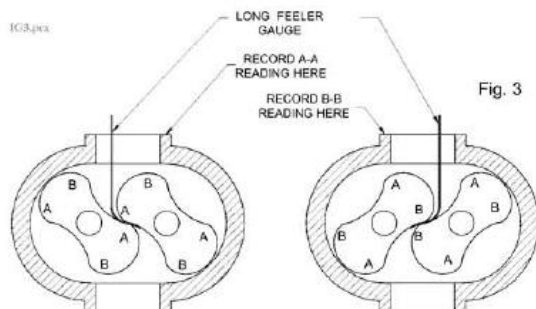
EXAMPLE: Referring to Fig. 3, check the clearance at AA (right-hand reading) and BB (left-hand reading). If AA reading is .017 and BB reading is .004, by removing .018 shims, the readings should then read: A.011 and BB.010.

To determine the amount of shim to add or remove, subtract the smaller reading from the larger and multiply the result by 1.4:
 $.017 - .004 = .0182$ or .018

To determine whether to add or remove shim: If the right side reading is higher than the left side, remove this amount. If the right side reading is lower, the add this amount.

Note: Torque gear bolts to 40-45 lb.ft.

17. Ensure that locking tabs cover dowel pins (not jacking screw holes), then bend over lock tabs on driven gear and remove the four end plate cap screws and reinstall in drive end plate. Place a bead of silicone sealant around the flange of gear cover (7) as close to the inside edge as possible. Install cover and secure with cap screws and lock washers (26 & 27). Remove the capscrews #128010425.
18. Install both breathers (37) in their correct locations on covers and fill with AEON PD oil.
19. Install O-ring seal, see next column.



Bearing Change Notice:

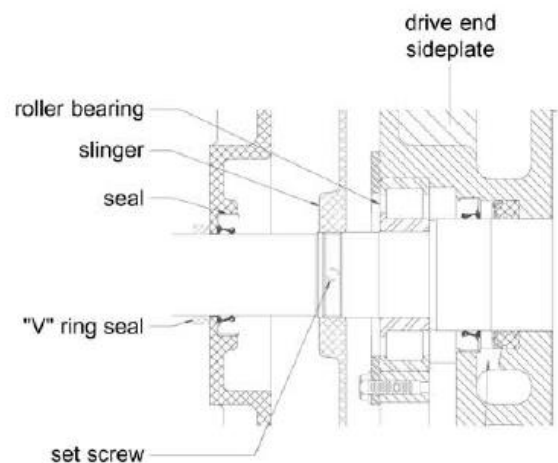
Beginning with blower serial number 21740:

The **drive end** roller bearings have been change slightly. The new type configuration allows the sideplate to be removed without damaging the bearings. This NJ style bearing must be installed as shown in drawing. The part number remains the same.

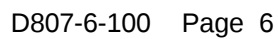
NOTE: When re-building, ensure the inner bearing race is assembled with step shoulder to the outside. Assembled incorrectly will cause bearing to fail as rotor expands.

Beginning with blower serial number 26355:

A new O-ring seal has been added to the drive shaft to help prevent the ingress of water.



D807 Blower



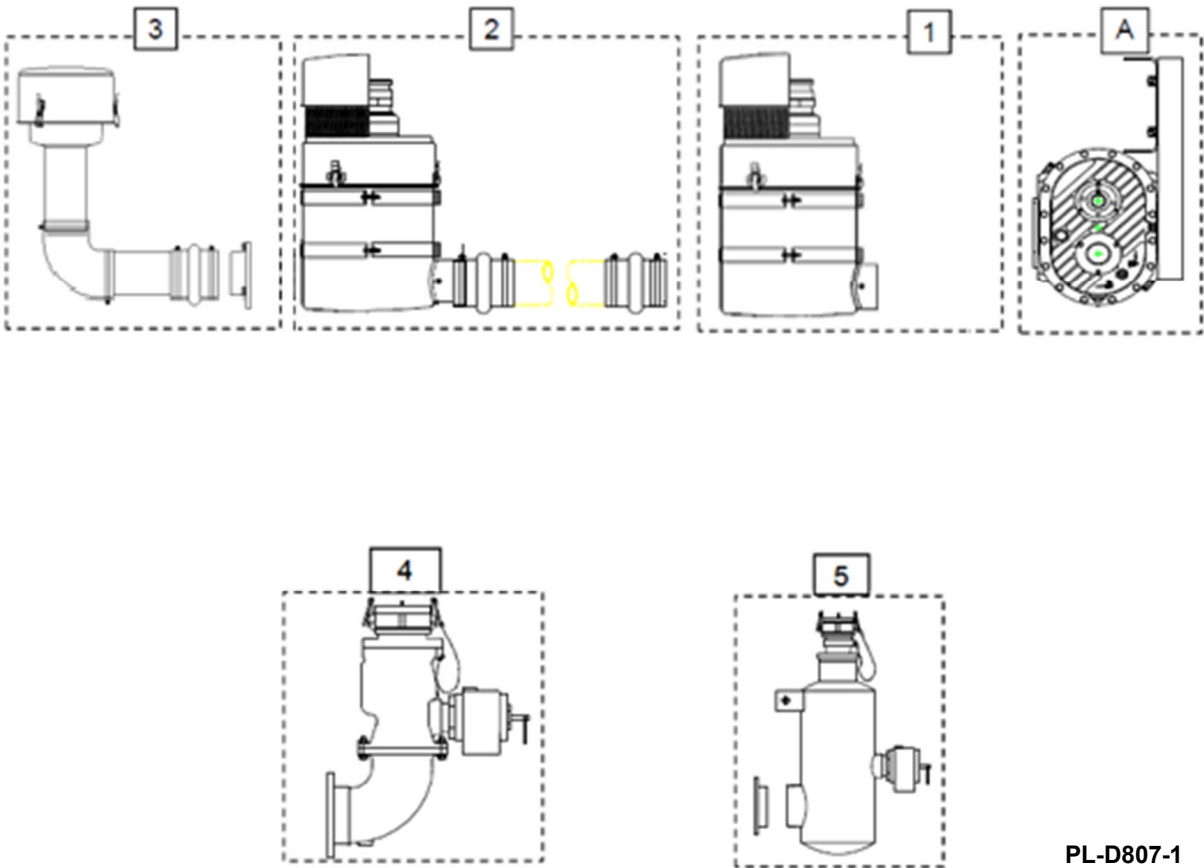
PARTS LIST (Continued)

ITEM	DESCRIPTION	PART NO	QTY
1	ROTOR, D807	300HTF010	2
1	ROTOR, D907	300HTG010	2
3	CYLINDER HOUSING, D807	300HTF002	1
3	CYLINDER HOUSING, D907	300HTG002	1
4	BEARING HOUSING DR. END D807	300HTF006	1
5	BEARING HOUSING GR END D907	301HTF006	1
6	DRIVE COVER D807	300HTF477	1
7	GEAR COVER D907	300HTF602	1
8	GEAR KIT D807	300HTF6008	1
	PLATE-LOCK (D807 GEAR ASM)	300HTF837	2
	PIN-LOCK, .50DIA (D807 GEAR ASM)	300HTF838	2
	CAPSCREW HEX HD M12 X 34 GEAR ASSY. V.2	199060201	4
	SHIM-LAMINATE (D807 GEAR ASM)	301HTF732	1
9*	BALL, BRG, DOUBLE - COMPLETE	VP1004573	2
10*	ROLLER BRG, STRAIGHT ñ COMPLETE	12BA213	2
12*	SEAL, DOUP UP - VITON	VP1004572	4
13*	SEAL, DOUP UP - VITON	60DD796	2
14	RETAINER PLATE, BEARING	300HTF253	4
15	DUCT, OIL DEFLECTOR	300HTF104	1
16	SHIM, TIMING (included in gear assy)	301HTF732	1
20	SLINGER with set screws	300HTF173	1
22	PIN, DOWEL ñ 10mm X 3/8" SQUARE	62M48	4
23	KEY, DRIVE ñ 3/8" X 3/8" SQUARE	35B139	1
24*	KEY, GEAR	300HTF062	2
25	WASHER, ROTOR	300HTF244	2
26	CAPSCREW ñ 10mm X 120mm	665HMCA10120Z	16
27	LOCKWASHER ñ 10mm	671HLHR10Z	32
29	CAPSCREW ñ 14mm X 40mm	665HMCA140400	2
31	PLUG, MAGNETIC	64BJ3	2
37*	BREATHER	VP1004578	2
51*	SEAL, LABYRINTH ñ PTFE	300HTF582	4
61*	WASHER, FLAT ñ 3/16"	95F1	20
62	CAPSCREW ñ 6mm X 20mm	655HMCA060200	20
63	CAPSCREW ñ 3/8" X 3/4"	214006412	3
70	OIL SIGHT GLASS	40P45	2
90	SETSCREW ñ 4mm X 12mm	VP1004579	2
126	SPRING PIN ñ 3/16" x 1 1/2"	62R96	2
219*	RETAINER, SEAL	300HTF205	4
296	CAP, NON DRIVE SHAFT	300HTF237	1
301	CAPSCREW ñ 10mm X 110mm	665HMCA10110Z	16
401	FUSIBLE MELT PLUG ñ 360°F.	300HTF191	2
410*	SEAL, V-RING	300HTF316	1
	MOUNTING BOLT, M16x35MM	665HMCA160350	4
	MOUNTING WASHER, M16	671HLHR160	4
*	GASKET, FLANGE	526002201	2
	OIL-AEON PO, SYNTHETIC	28G23	1
*	SERVICE KIT D807	710011210	1

OPTIONAL ACCESSORIES

D807/D907 KITS

D807/D907 KITS



PL-D807-1
Ref. Drawing

D807 / D907 MOUNTING & INLET KITS

ITEM	PART NUMBER	DESCRIPTION	QTY
A	712010247	M NTG KIT D807/D907 2.5d DRV R SD BASE ñ US MOUNTING BRACKET, 2.5 ANGLE (BLOWER) DRNIVE FLANGE, 1300 SERIES	1 1
A	712010251	M NTG KIT D907X 2.5d DRV R SD NOTCH BASE BRKT MNTG D907X 2.5 deg CHNL w/NOTCH FLANGE-DRIVE, 1-1/2 W 3/8 KEY	1 1
		AIR INLET:	
1	713000214	FILTER-INLET SS VAC/PRESSURE DUTY STAINLESS STEEL FILTER, PRES/VAC DUTY SERIVCE INDICATOR	1 1
2	302HTF6003	KIT D807/907 PRES/VAC, SS INLET HOUSE CLAMP WORM S/S 6 IN TUBE COUPLER HUMP HOSE 5ô TUBE 5ôDIA x 19-7/8ôLONG FLANGE KIT D807 5ôSUCT OFFSET FILTER-INLET STD ACC	4 2 1 1 1
3	703040211	KIT D807 PRECLEANER (SPINNER TYPE) SUCTION FLANGE, 5ôALUMINUM AIR PRE-CLEANER (pressure duty) PIPE, 5ôx 8ôSTEEL PIPE CLAMPS, 5ô(2 supplied) ELBOW, 90 ñ 5ôRUBBER (do not use on vacuum duty) HUMP HOSE, 5ôRUBBER (1 supplied) PIPE, 5ôx 20ôaluminum HOSE CLAMP, 6ô(4 supplied)	1 1 1 2 1 1 1 4

D807 Discharge Kits

AIR DISCHARGE – SELECT ONE:

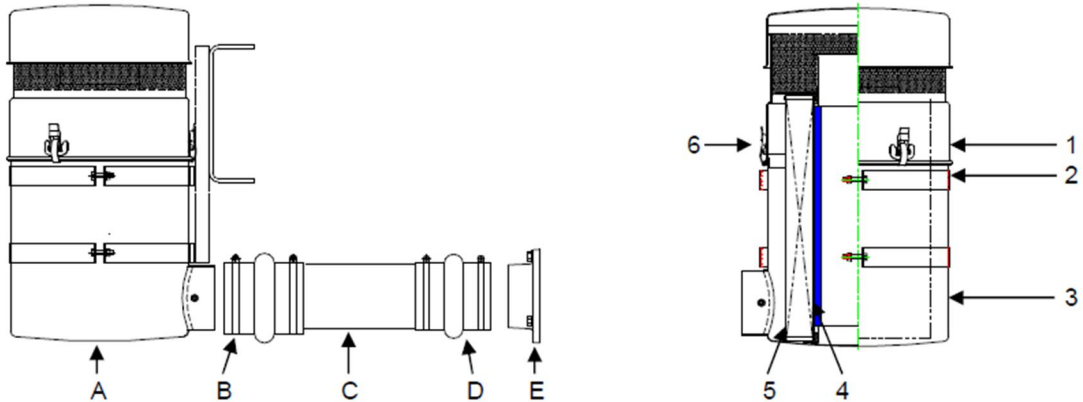
ITEM	PART NUMBER	DESCRIPTION	QTY.	
4	716001215	PIPEWORK KIT D807 3" CHECK VALVE		
		PIPEWORK KIT 36CV - CAMLOCK ñCAP & FSTñ US	7160012091	
		FLANGE KIT D807 90d x 46TTMA AL ñ US	7110102161	
		PRV, AIR, D807/CYCLOBLOWER, 26NPTM. 20 PSII	7050002071	
	716001216	PIPEWORK KIT D807 46CHECK VALVE ñ US		
		PIPEWORK KIT 36CV 46CAMLOCK & CAP ñ US	7160012131	
		FLANGE KIT D807 90d x 46TIMA AL ñ US	7110102161	
		PRV, AIR, D807/CYCLOBLOWER, 26NPTM, 20 PSI	7050002071	
	5	716001230	PIPEWORK KIT D807 3690d SLNCR	
			PIPEWORK KIT SLNCRW/36CMLCK-CAP	7160012261
			FLANGE KIT D807 x 46NPT CI - US	7110102181
			PRV, AIR, D807/CYCLOBLOWER, 26NPTM, 20 PSI	7050002071
716001231		PIPEWORK KIT D807 3690d SLNCR		
		PIPEWORK KIT SLNCRW/36CMLCK-CAP	7160012271	
		FLANGE KIT D807 x 46NPT CI - US	7110102181	
		PRV, AIR, D807/CYCLOBLOWER, 26NPTM, 20 PSI	7050002071	
716001232		PIPEWORK KIT D807 3690d SLNCER-TEMP SS - US		
		PIPEWORK KIT D807 3690d SLNCR-TEMP	7160012281	
		FLANGE KIT D807 x 46NPT CI - US	7110102181	
		PRV, AIR, D807/CYCLOBLOWER, 26NPTM, 20PSI	7050002071	
716001233		PIPEWORK KIT D807 4690d SLNCR0TEMP SS-US		
		PIPEWORK KIT SLNCRw/46CMLCK-CAP ñTP SS-US	7160012291	
		FLANGE KIT D807 x 46NPT CI - US	7110102181	
		PRV, AIR, D807/CYCLOBLOWER, 26NPTM, 20PSI	7050002071	
OPTIONAL EQUIPMENT:				
	822012200	GAUGE-FILTER RESTRICTION INDICATOR 206WA		
	714010200	DRIVE LINE TUBULAR 1300 E YOUKE x FLANGE ñ US		
	711010219	FLANGE KIT D807 x 46NPT OFFSET AL ñ OBS		
	539001207	SILENCER DEL Y 46NPT x 46NPTF 90dw/TEMP		
	539001208	SILENCER DEL Y 46NPT x 46NPTF SS90dw/TEMP		
	539001201	SILENCER DEL Y 4615 psi MAX - US		
	509010207	GAUGE AND LABEL KIT BLOWER DISCH TEMP		
	507013210	BRKT MNTG D807 CHANNEL - PAINTED		

D907 Discharge Kits

AIR DISCHARGE – SELECT ONE:

ITEM	PART NUMBER	DESCRIPTION	QTY.	
4	716001219	PIPEWORK KIT D907 3" CHECK VALVE		
		PIPEWORK KIT 36CV - CAMLOCK ñCAP & FSTñ US	716001209 1	
		FLANGE KIT D807 90d x 46TTMA AL ñ US	711010216 1	
		PRV, AIR, D807/CYCLOBLOWER, 26NPTM. 20 PSII	705000207 1	
	716001220	PIPEWORK KIT D907 46CHECK VALVE ñ US		
		PIPEWORK KIT 36CV 46CAMLOCK & CAP ñ US	716001213 1	
		FLANGE KIT D807 90d x 46TTMA AL ñ US	711010216 1	
		PRV, AIR, D907/CYCLOBLOWER, 26NPTM, 20 PSI	705000207 1	
	5	716001234	PIPEWORK KIT D907 3690d SLNCR	
			PIPEWORK KIT SLNCRW/36CMLCK-CAP	716001226 1
			FLANGE KIT D807 x 46NPT CI - US	711010218 1
			PRV, AIR, D907/CYCLOBLOWER, 26NPTM, 20 PSI	705000207 1
716001235		PIPEWORK KIT D907 3690d SLNCR		
		PIPEWORK KIT SLNCRW/36CMLCK-CAP	716001227 1	
		FLANGE KIT D807 x 46NPT CI - US	711010218 1	
		PRV, AIR, D907/CYCLOBLOWER, 26NPTM, 20 PSI	705000207 1	
716001236		PIPEWORK KIT D907 3690d SLNCER-TEMP SS - US		
		PIPEWORK KIT SLNCRw/36CMLCK-CAP ñ TP SS-US	716001228 1	
		FLANGE KIT D807 x 46NPT CI -US	711010218 1	
		RELEIF VALVE AIR D907 26NPTM 16PSI -US	705000207 1	
716001237		PIPEWORK KIT D907 4690d SLNCR-TEMP SS-US		
		PIPEWORK KIT SLNCRw/46CMLCK-CAP-TP SS-US	716001229 1	
		FLANGE KIT D807 x 46NPT CI -US	711010218 1	
		RELIEF VALVE AIR D907 26NPTM 16PSI - US	705000207 1	
OPTIONAL EQUIPMENT:				
	822012200	GAUGE-FILTER RESTRICTION INDICATOR 206WA		
	714010200	DRIVE LINE TUBULAR 1300 E YOUKE x FLANGE ñ US		
	711010219	FLANGE KIT D807 x 46NPT OFFSET AL ñ OBS		
	539001207	SILENCER DEL Y 46NPT x 46NPTF 90dw/TEMP		
	539001208	SILENCER DEL Y 46NPT x 46NPTF SS90dw/TEMP		
	539001201	SILENCER DEL Y 4615 psi MAX - US		
	509010207	GAUGE AND LABEL KIT BLOWER DISCH TEMP		

AIR INLET ACCESSORIES



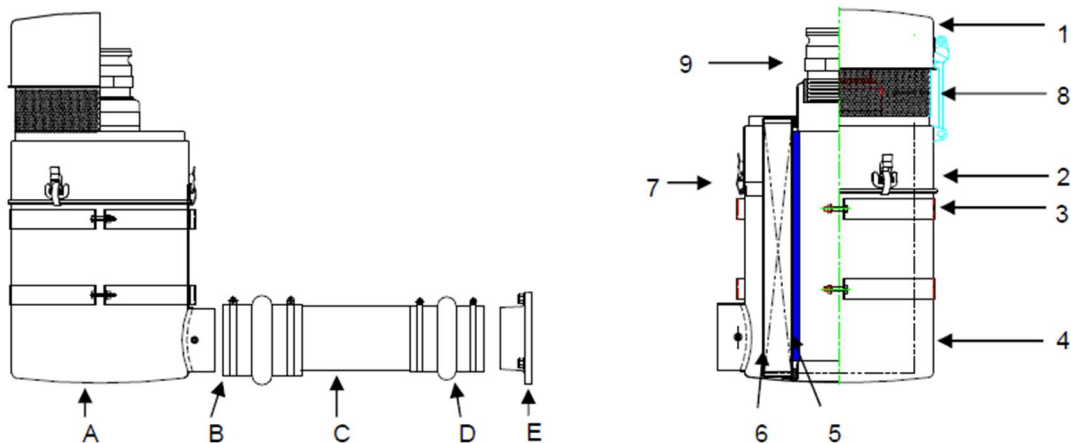
PL-D807-2
Ref. Drawing

D807 ID907 Air Inlet

Accessories

ITEM	DESCRIPTION	PART NO.	QTY
A	FILTER SLNCR ASSY D807 INLET 90d -US	713000208	1
1	FILTER COVER AIR INLET LID D807	525030204	1
2	FILTER CLAMP D807 FILTER/SILENCER	525040203	2
3	FILTER HSG AIR INLET BOTTOM D807 -US	525050203	1
4	FILTER ELEMENT FOAM PRECLEANER -US	525090200	1
5	FILTER ELEMENT-PAPER D807 -US	525000207	1
6	SEAL RING TRIANGULAR 13.5"10 FILTER -US	513151200	1
B	HOSE CLAMP WORM S/S SIN	299071201	4
C	TUBE 5" DIA X 19-7/8" LONG AL	531280217	1
D	TUBE COUPLER HUMP HOSE 5" -US	531250200	2
E	FLANGE KIT D807 5" SUCT OFFSET AL -US	711010215	1
	FLANGE D807 x 5" HOSE OFFSET ALUM -US	508021205	1
	CAPSCREW HEX HD ISO 8.8 M12 X 30mm	130012030	4
	WASHER LOCK GR5 M12 PLAIN	194012000	4
	GASKET D807 1/16" THICK	526002201	1

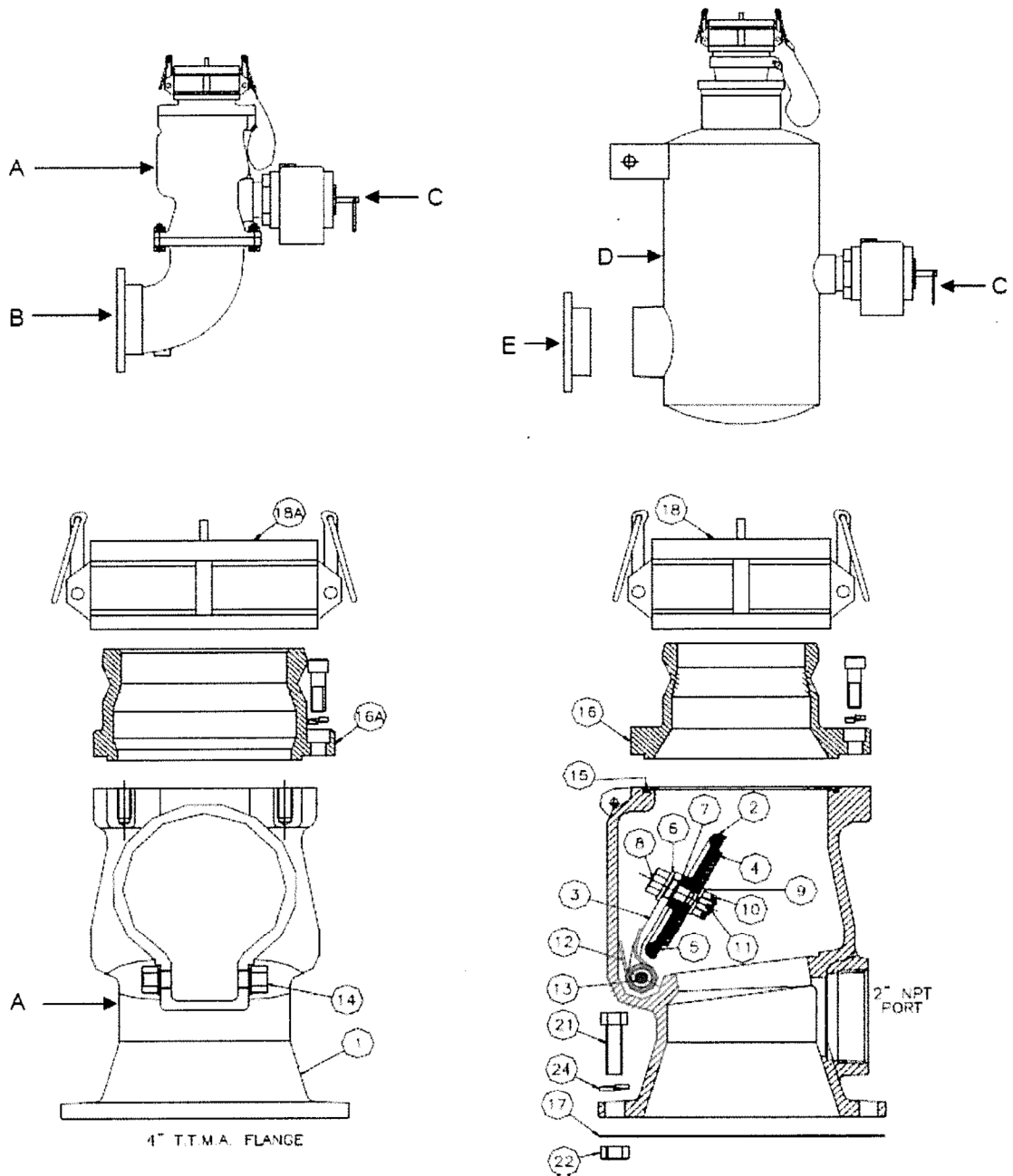
AIR INLET ACCESSORIES



D807 ID907 Air Inlet

Accessories

ITEM	DESCRIPTION	PART NO.	QTY
A	FILTER SLNCR ASSY VAC DUTYw/4"CAMLOCK	713000214	1
1	FILTER COVER LID VACUUM UNIT D807	713000013/14-1	1
2	FILTER COVER AIR INLET w/4" NPT D807	713000014-2	1
3	FILTER CLAMP D807 FILTER/SILENCER	525040203	2
4	FILTER HSG AIR INLET BOTTOM D807 -US	713000014-3	1
5	FILTER ELEMENT FOAM PRECLEANER -US	525090200	1
6	FILTER ELEMENT-PAPER D807 -US	525000207	1
7	SEAL RING TRIANGULAR 13.5"10 FILTER -US	513151200	1
8	CLAMP HOOD LATCH RUBBER VACUUM	525044200	1
9	CAMLOCKADP 40Mx40NPTMAL -TWN	531212202	1
B	HOSE CLAMP WORM S/S SIN	299071201	4
C	TUBE 5" DIA X 19-7/8" LONG AL	531280217	1
D	TUBE COUPLER HUMP HOSE 5" -US	531250200	2
E	FLANGE KIT D807 5" SUCT OFFSET AL -US	711010215	1
	FLANGE D807 x 5" HOSE OFFSET ALUM -US	508021205	1
	CAPSCREW HEX HD ISO 8.8 M12 X 30mm	130012030	4
	WASHER LOCK GR5 M12 PLAIN	194012000	4
	GASKET D807 1/16" THICK	526002201	1



D807/D907 AIR DISCHARGE ACCESSORIES

PL-D807-3
Ref. Drawing

D807 / D907 Air Discharge Accessories

ITEM	DESCRIPTION	PART NO.	QTY,
A	PIPEWORK KIT 3"CV-CAMLOCK-CAP & FSTNR-US	716001209	1
A	PIPEWORK KIT 3" CV 4" CAMLOCK & CAP -US	716001213	1
	BODY CHECK VALVE 3" ALUM	500073203	1
2	VALVE POPPET 3" CAST C-VALVE BRONZE	532132200	1
3	VALVE ARM 3" CAST C-VALVE BRONZE	532142200	1
4	VALVE SEAL WASHER 3" CAST C-VALVE AL	532151200	1
5	VALVE SEAL 3" CAST C-VALVE SILICONE	532163200	1
6	WASHER- 5/16" FLAT- ZINC PLTD	240405000	1
7	SPRING WAVE 3" CAST CHECK VALVE	517032202	1
8	CAPSCREW HEX HD GR5 5/16 X 1-1/4 ZINC PL	214005420	1
9	WASHER LOCK GR5 5/16" ZINC PLATED	240005400	1
10	NUT 3/8" BRASS WITH TIN PLATING	236006600	1
11	PIN SLOTTED SPRING TENSION 3/32 x5/8 -PL	266101410	2
12	TORSION SPRING 3" CAST C-VALVE SS	532170200	1
13	VALVE SPINDLE 3" CAST C-VALVE SS	532180200	1
14	VALVE SPINDLE NUT 3"CAST C-VALVE BRNZ	532192200	2
15	O-RING 3" CAST CHECK VALVE SI	522041200	1
16	CAMLOCK ADP 3"Mx3" CAST CHECK VALVE	531222201	1
16A	CAMLOCK ADP 4"Mx3" CAST CHECK VALVE	531222202	1
17	GASKET 4" TTMA NA700	526042200	1
18	DUST CAP- 3" ALUMINUM -TWN	531200200	1
18A	CAMLOCK DUST CAP 4" AL -TWN	531200201	1
21	CAPSCREW HEX HD GR5 3/8 X 1-1/4 ZINC PLT	214006420	8
22	NUT HEX GR5 3/8-16 PL	236006400	8
24	WASHER LOCK GR5 3/8" ZINC PLATED	240006400	8
B	FLANGE KIT D807 DELx40TTMA 90d AL US	711010216	1
	ELBOW D807 DELxTTMA 90d AL US	531102203	1
	CAPSCREW HEX HD ISO 8.8 M12 x 3mm`	130012030	4
C	PRV, AIR, D807/CYCLOWOWER, 20NPTM, 20 PSI	705000207	1
C	RELIEF VALVE AIR D907 20NPTM 16 PSI US	705000206	
D	PIPEWORK KIT SLNCR w/30CMLCK-CAP	716001226	1
D	PIPEWORK KIT SLNCR w//40CMLCK-CAP-TEMP-US	716001227	1
D	PIPEWORK KIT SLNCR w//30CMLCK-CAP-TP SS-US	716001228	1
D	PIPEWORK KIT SLNCR w//40CMLCK-CAP-TP SS-US	716001229	1
	SILENCER DELY 40NPTF x 40NPTF 90Dw/TEMP	539001207	1
	SILENCER DELY 40NPTF x 40NPTF SS90Dw/TEMP	539001208	1
	BUSHING REDUC 40X30NPT BLK	531231203	1
	CAMLOCK ADP 30Mx30NPT AL -TWN	531212200	1
	DUST CAP n 30ALUMINUM -TWN	531200200	1
	CAMLOCK ADP 40mx40NPTM AL -TWN	531212202	1
	CAMLOCK DUST CAP 40AL -TWN	531200201	1
E	FLANGE KIT D807 X 40NPT CI -US	711010218	1
	FLANGE D807X 40NPTF CI -US	508010204	1
	CAPSCREW HEX HD ISO 8.8 M12 x 3mm	130012030	4
	WASHER LOCK GR5 M12 PLAIN	194012000	4
	GASKET D807 1/160THICK	526002201	1
F	BRKT MNTG D807 CHANNEL n STRAIGHT	507013210	1
F	BRKT MNTG D807 2.5deg CHANNEL -US	507013217	1
G	FLANGE-DRIVE, 1-1/20W 3/8 KEY	519370201	1
	ITEMS NOT SHOWN IN THE DRAWING		

TOOL LIST

STANDARD TOOLS

SOCKETS OR WRENCHES

10mm.
5/8" or 17mm
7/8" or 22mm
1"
1-3/8" .

CALLEN KEY

3mm .

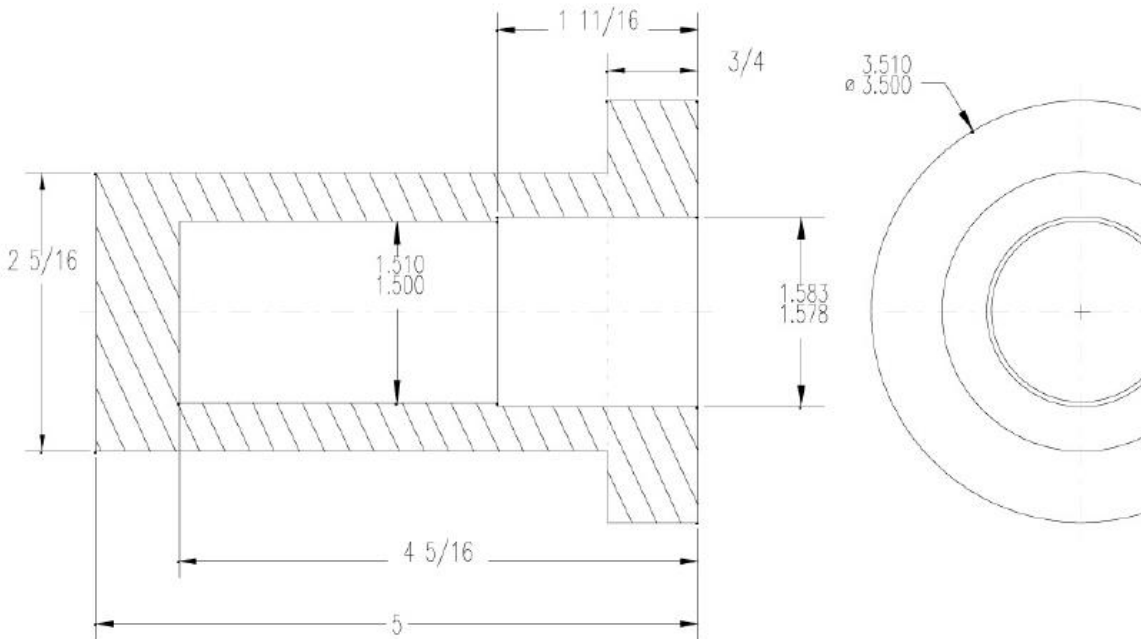
USED ON

Endcaps and retaining plates
Sideplates
Gear bolts
2 ton 2 jaw puller
Melt out plug

Oil slinger

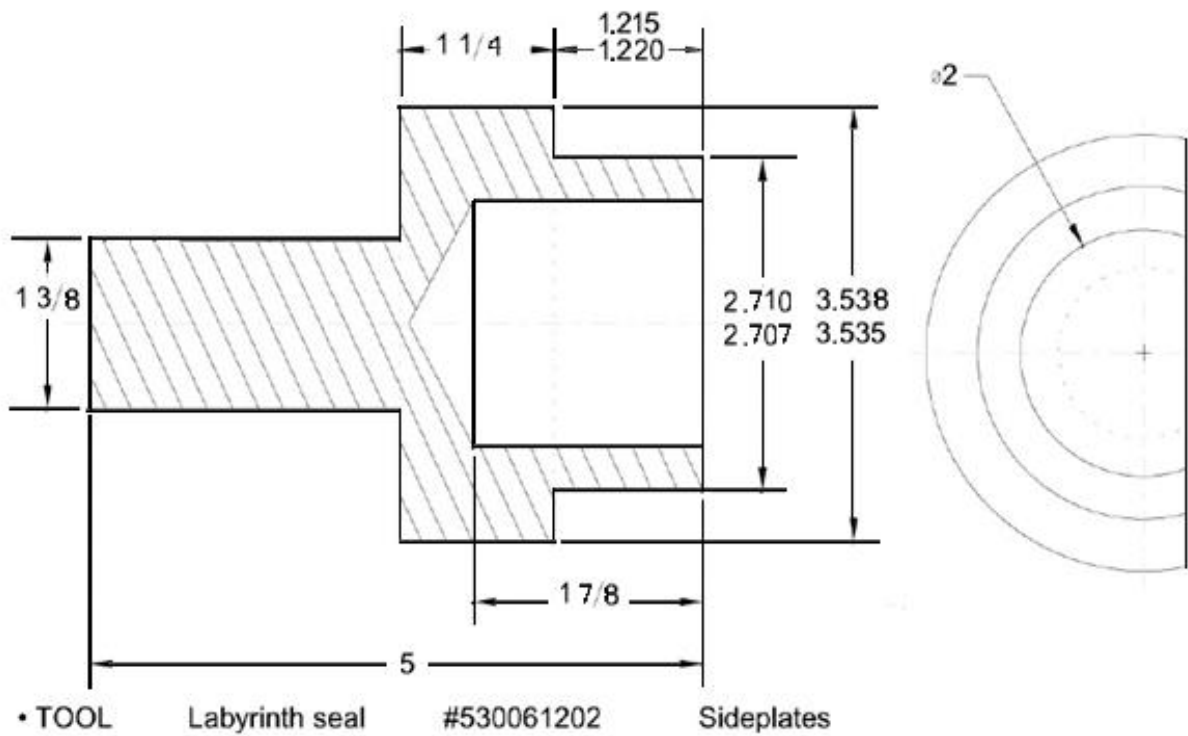
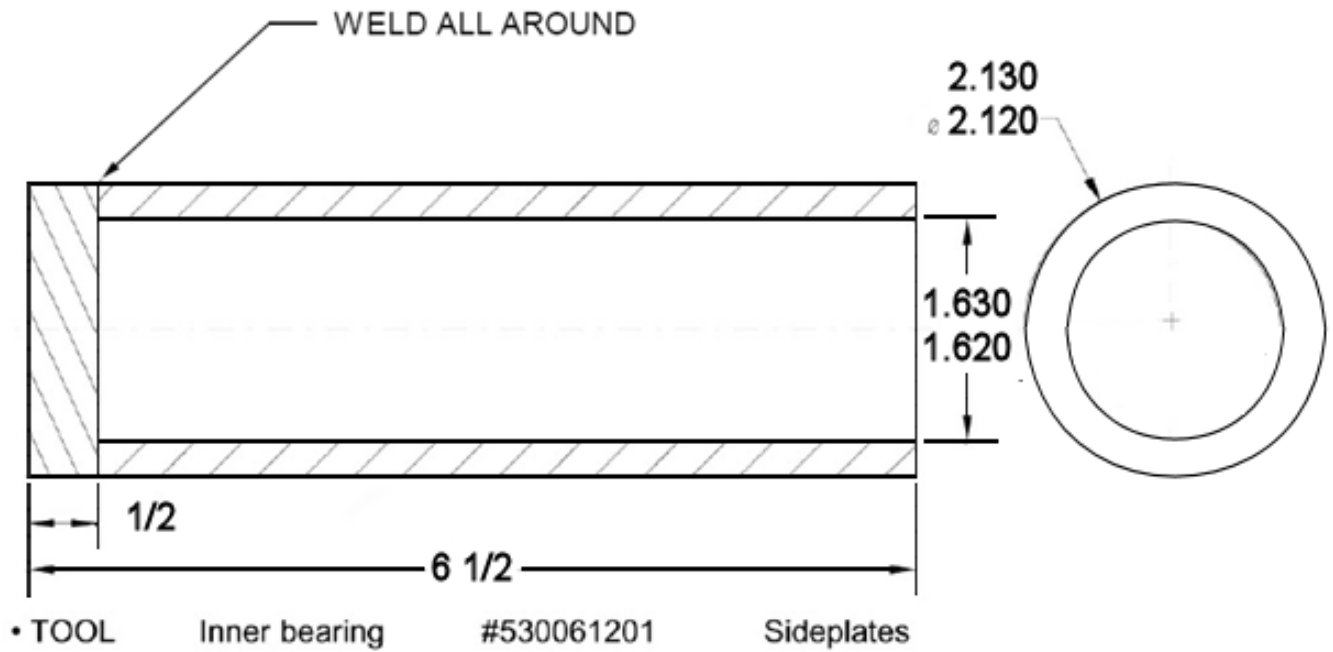
SPECIAL TOOLS

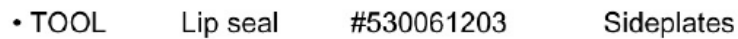
GEAR PULLER		
2 ton 2 jaw puller Snap-on tool	CG240	Rotors and sideplate
(2) Push/pull set Snap-on Tool	CG706	Gears
FASTENERS		
Hex screw M10 x 25mm qua. 4	128010425*	Non-drive end plate
Hex screw M6 x 70mm qua. 5	124006070*	Gear plate
TOOLS (Drawings Attached)		
Outer bearing .	530061200*	Sideplates
Inner bearing .	530061201*	Sideplates
Labyrinth seal .	530061202*	Sideplates
Lip seal	530061203*	Sideplates
Extractor plate.	530061204* (2 req.)	Gear/sideplate/rotors



- TOOL OUTER BEARING #530061200 SIDEPLATE

TOOL LIST (Continued)





SAFETY PRECAUTIONS



- Rotating shafts can be dangerous. You can snag clothes, skin, hair, hands, etc. This can cause serious injury or death.
- Do not work under the vehicle when the engine is running.
- Do not work on a shaft (with or without a guard) when the engine is running.
- Do not engage or disengage driven equipment by hand from under the vehicle when the engine is running.
- In order to avoid becoming entangled, install the power take off and/or shaft behind the frame rail, tanks, battery box, etc.
- If power take off and/or shaft are still exposed after installation, install a guard.
- Install a support strap when servicing a drive shaft to prevent personal injury.
- A serious or fatal injury can occur . . .
-

- ★ If you lack proper training
- ★ if you fail to follow proper procedures
- ★ if you do not use proper tools and safety equipment
- ★ if you assemble driveline components improperly
- ★ if you use incompatible driveline components
- ★ if you use worn-out or damaged driveline components
- ★ if you use driveline components in a non-approved application.

Ç This manual contains safety instructions. Read, understand and follow this manual.

- ★ Get proper training
- ★ Learn and follow safe operating procedures
- ★ Use proper tools and safety equipment
- ★ Use proper components in good condition

Note:

- Blower housing and associated piping or accessories may become hot enough to cause major skin burns on contact.
- Internal and external rotating parts of the blower and driving equipment can produce serious physical injuries. Do not reach into any opening in the blower while it is operating.
- If blower is operated with piping disconnected, place a strong coarse screen over the inlet and avoid standing in the discharge air stream.
- Stay clear of the blast from pressure relief valves and the suction area of vacuum relief valves.
- Avoid extended exposure in close proximity to machinery with high intensity noise levels. Wear adequate ear protection.
- Use proper care and good procedures in handling, lifting, installing, operating and maintaining the equipment.



For additional information, contact your local representative or visit:
www.contactgd.com/blowers

©2015 Gardner Denver, Inc. Printed in U.S.A.



Member



Please recycle after use.