



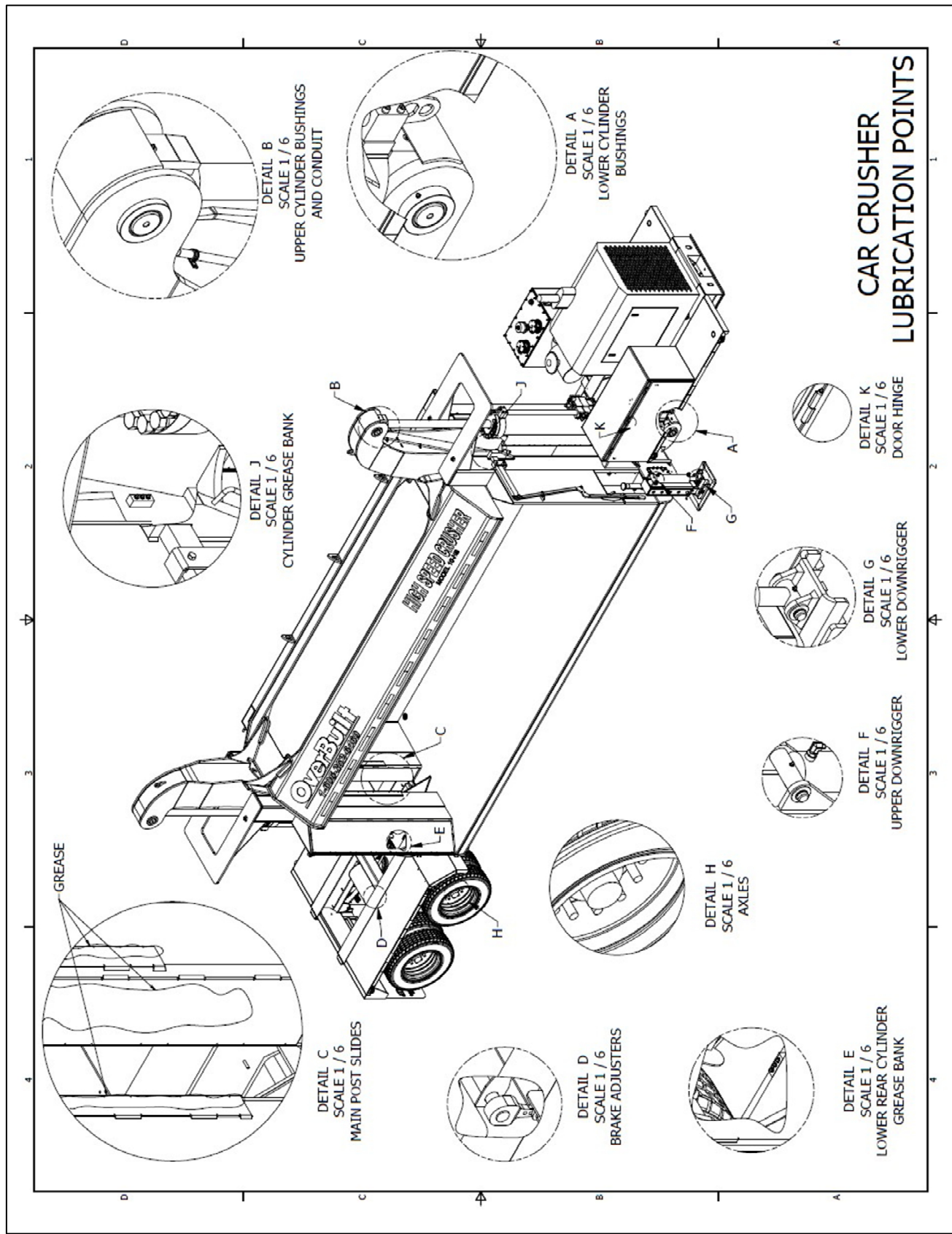
LUBRICATION & MAINTENANCE

**MODEL 10 AND MODEL 10 HS
PORTABLE AND STATIONARY
CAR CRUSHER**

**Huron, South Dakota
(605) 352-6469**

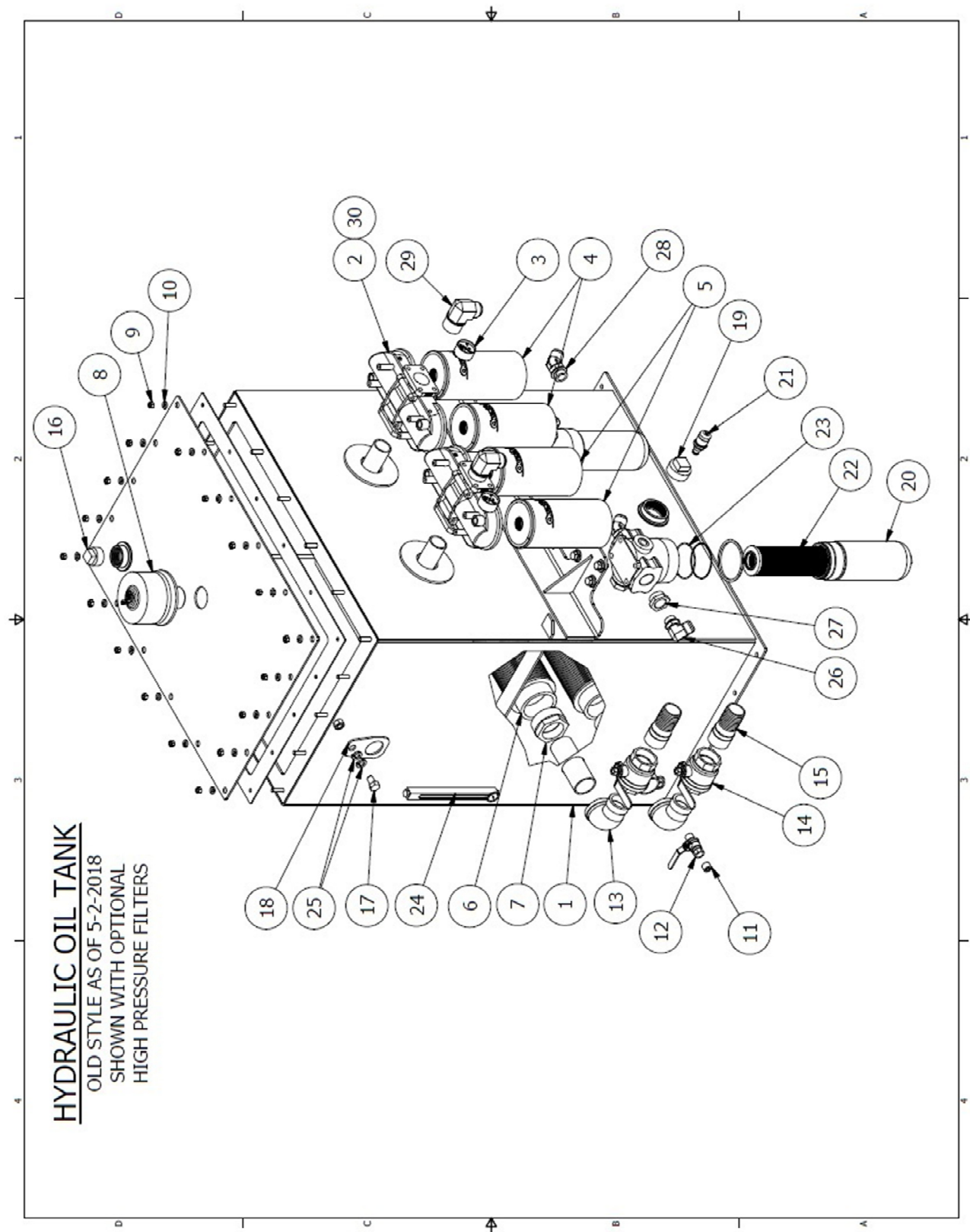
CC Lubrication Recommendation Overbuilt Car Crusher

	<u>Approximate Duration</u>	<u>Brand</u>	<u>Filter #</u>	<u>OverBuilt Order #</u>
Hydraulic Oil	1000 hours or annually	ISO 46 or non-detergent 32 or 46		
High Pressure Filters (two replacement filter cartridges)	1000 hours, gauge or annually	MP Filtri	HP3202A10AN	332-0009
Hydraulic Filters				
10 Micron Nominal (two replacement filters)	500 hours, gauge or annually	OverBuilt	332-1010N	332-1010N
10 Micron Water (two replacement filters)	500 hours, gauge or annually	OverBuilt	332-1010W	332-1010W
In-Tank Filters	500 hours, gauge or annually	OverBuilt	KZW10	332-1000F-18
Fuel Filters				
Pre Filter on Frame & Auxiliary Fuel Pump	250-500 hours or annually	NAPA/Carquest	4348/89348	332-1004F
Engine Fuel Filters (Final)	250-500 hours or annually	See engine manual		
Engine Fuel Filters (Pre)	250-500 hours or annually	See engine manual		
Air Cleaners				
Primary Element	250-500 hours, air restriction indicator or annually	See engine manual		
Safety Element	250-500 hours, air restriction indicator or annually	See engine manual		
Hydraulic Tank Breather Canister with Filter	Inspect monthly, change as needed	OverBuilt	332-0080	332-0080
Oil Filter	250-500 hours or annually	See engine manual		
Grease				
Main Post Slides Depending on dust conditions	Daily	Check All Fluid Levels & Visually Inspect Crusher Daily <u>Order Info</u> OverBuilt 780 West Park Ave NW Huron, SD 57350 605-352-6469		
Cylinder Bushings	Daily			
Landing Gear	Weekly depending on usage			
Axles	Weekly depending on usage			



HYDRAULIC OIL TANK

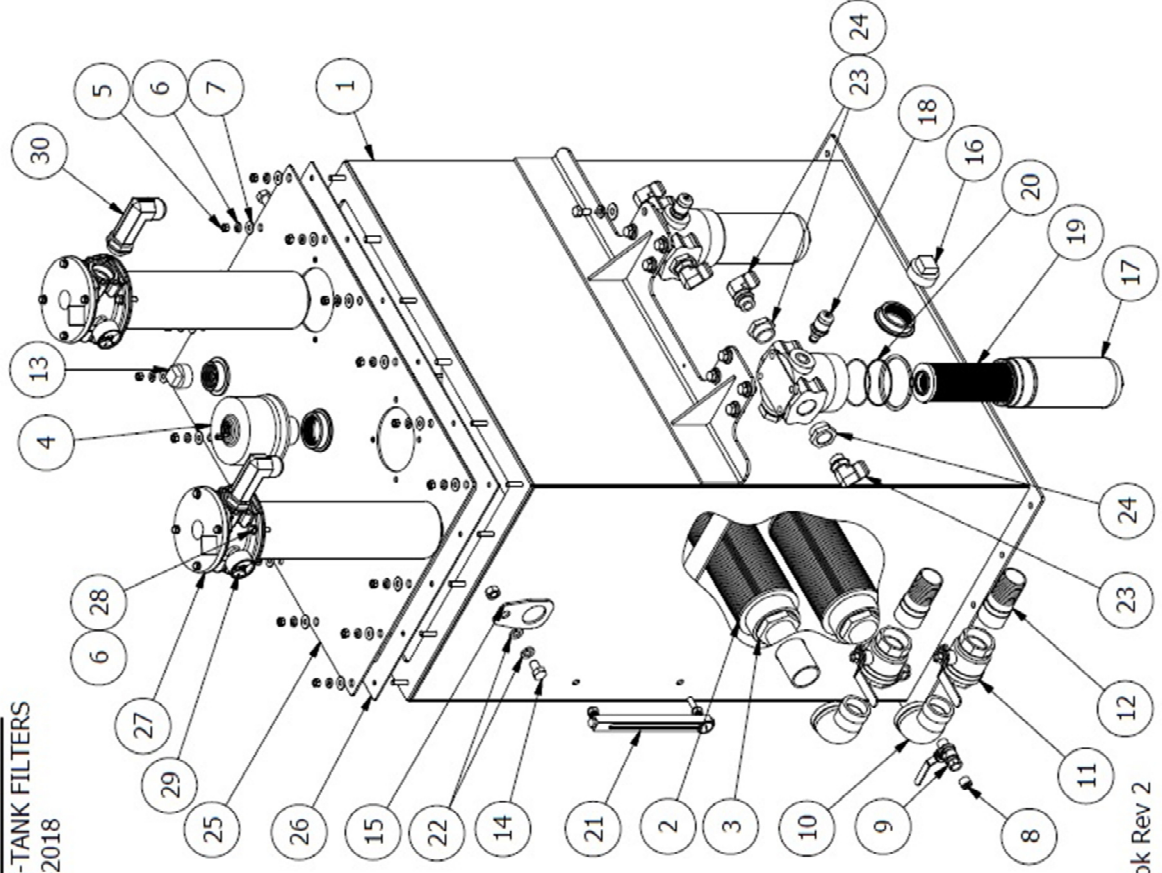
OLD STYLE AS OF 5-2-2018
SHOWN WITH OPTIONAL
HIGH PRESSURE FILTERS



Hydraulic Oil Tank (Old Style) Parts List

Item	Qty	Part No.	Desc.
1	1	804-4501	Oil Tank Assembly
2	2	332-0007	Dual Filter Head
3	2	335-1001	Filter Gauge
4	2	332-1010N	Filter Element (Nominal)
5	2	332-1010W	Filter Element (Water)
6	2	332-0130	Suction Strainer
7	2	336b-64180-48-32	3" to 2" Reducer Bushing
8	1	332-0080 + 332-0081	Breather Canister & Filter
9	18	205-8006	3/8" Grade 5 Nut
10	18	205-6406	3/8" Lock Washer
11	1	336-5406-H-8	1/2" Hex Head Plug
12	1	331-6008-1	1/2" Ball Valve M-F
13	2	336b-5502-32	2" Street Elbow
14	2	331-6032	2" Ball Valve F-F
15	2	336b-KN32	2" Barb King Nipple
16	2	336b-5406-24	1-1/2" Black Pipe Plug
17	2	205-1008	5/8"-11 x 1" Grade 5 Bolt
18	2	800-9078	Lifting Plate
19	1	336b-5406-32	2" Black Pipe Plug
20	2	332-0008	High Pressure Filter Container
21	2	332-0007 V7	Visual Filter Gauge
22	2	332-0009	High Pressure Filter Element
23	2	332-0009S	Filter Seal O-Ring Kit
24	2	335-1100	Liquid Level Gauge w/ Thermometer
25	4	206-6410	5/8" Lock Washer
26	2	336-6801-16-16	1" Male Tube to 1" Adj. O-Ring 90
27	4	336-6410-20-16	1-1/4" Male O-Ring to 1" Female O-Ring
28	2	336-6802-16-16	1" Male Tube to 1" Adj. O-Ring 45
29	2	336-2501-20-24	1-1/2" MJIC to 1-1/2" MNPT 90
30	4	332-0007-S2	Dual Filter Head – Seals for new filter heads

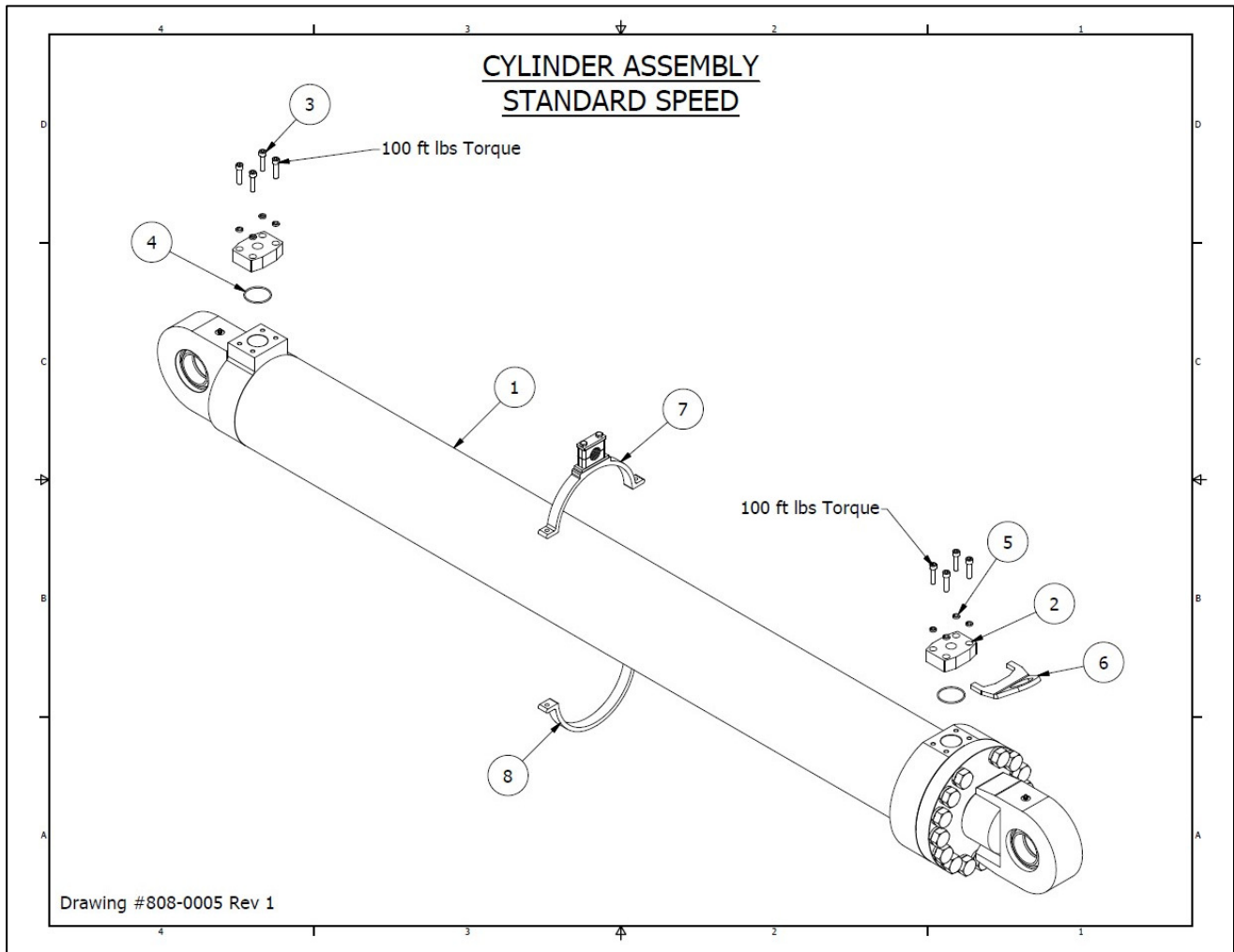
HYDRAULIC OIL TANK NEW STYLE WITH IN-TANK FILTERS AS OF 5-2-2018



ASSEMBLY # 806-4502B
 Drawing # 806-4502 ITF Parts Book Rev 2

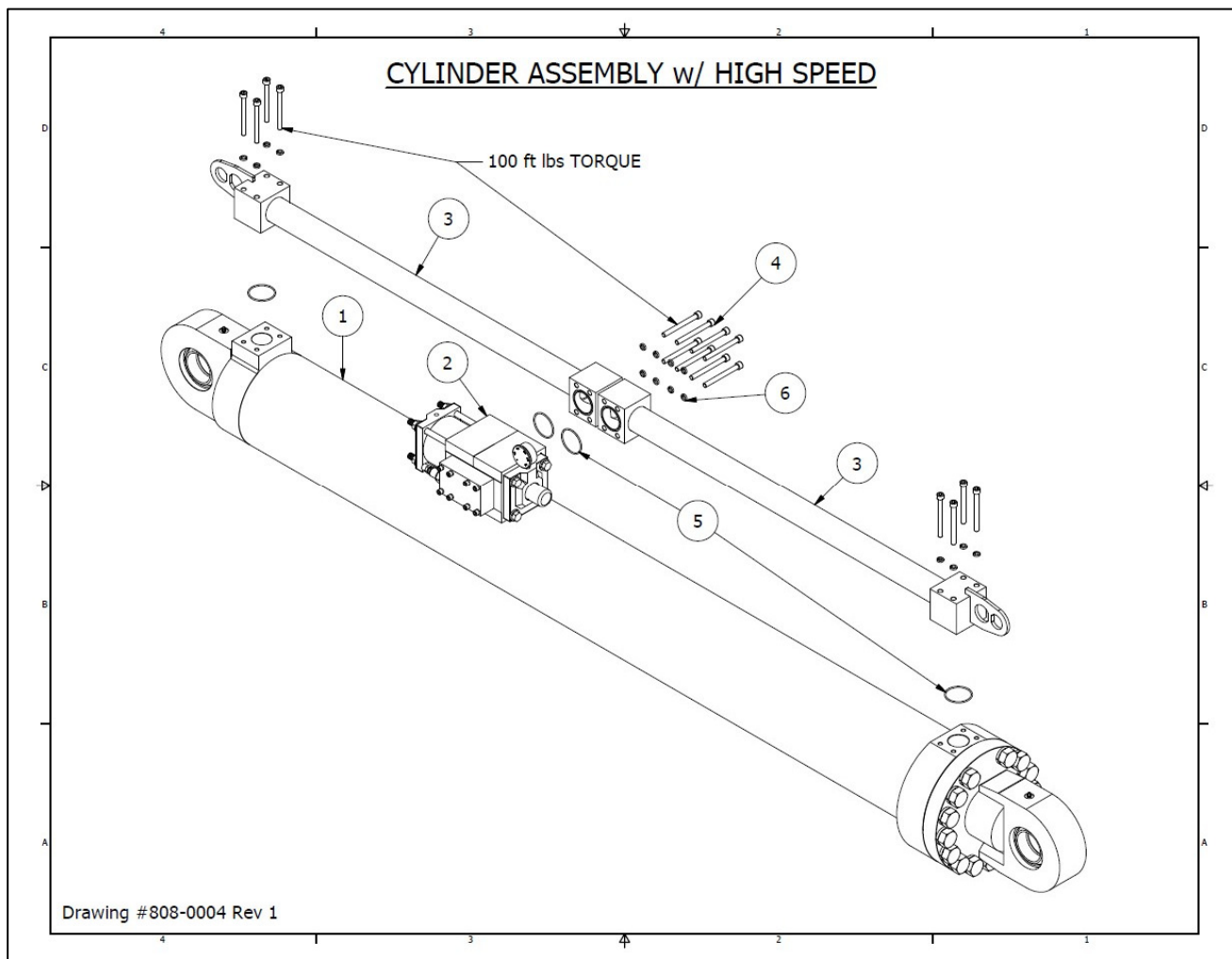
Hydraulic Oil Tank with In-Tank Filters (806-4502B) Parts List

Item	Qty	Part No.	Desc.
1	1	804-4500	Oil Tank Assembly
2	2	332-0130	Suction Strainer
3	2	336b-6410-48-32	3" to 2" Reducer Bushing
4	1	332-0080 + 332-0081	Breather Canister & Filter
5	18	205-8006	3/8" Grade 5 Nut
6	26	205-6406	3/8" Lock Washer
7	18	205-6006	3/8" Flat Washer
8	1	336-5406-H-8	1/2" Hex Head Plug
9	1	331-6008-1	1/2" Ball Valve M-F
10	2	336b-5502-32	2" Street Elbow
11	2	331-6032	2" Ball Valve F-F
12	2	336b-KN32	2" Barb King Nipple
13	1	336b-5406-24	1-1/2" Black Pipe Plug
14	2	205-1008	5/8"-11 x 1" Grade 5 Bolt
15	2	800-9078	Lifting Plate
16	1	336b-5406-32	2" Black Pipe Plug
17	2	332-0008	High Pressure Filter container
18	2	332-0007 V7	Visual Filter Gauge
19	2	332-0009	High Pressure Filter Element
20	2	332-0009S	Filter Seal O-Ring Kit
21	1	335-1100	Liquid Level Gauge w/ Thermometer
22	4	205-6410	5/8" Lock Washer
23	4	336-6801-16-16	1-1/4" MJIC x 1-1/2" MPT 90
24	4	336-6410-20-16	1/14" Male O-Ring to 1" Female O-Ring
25	1	804-4504	Oil Tank Lid Weldment
26	1	802-4505G	Oil Tank Lid Mount Gasket
27	2	332-1000	In-Tank Mounted Filter Assembly
27-1	2	332-1000F-18	In-Tank Filter
28	8	205-0612	3/8"-16 x 1-1/2" Grade 5 Bolt
29	2	335-1001	Gauge, 0-60 Red
30	2	336-6801-LL-20-20	1/14" MJIC x 1-1/4" O-Ring Extra Long



Parts List

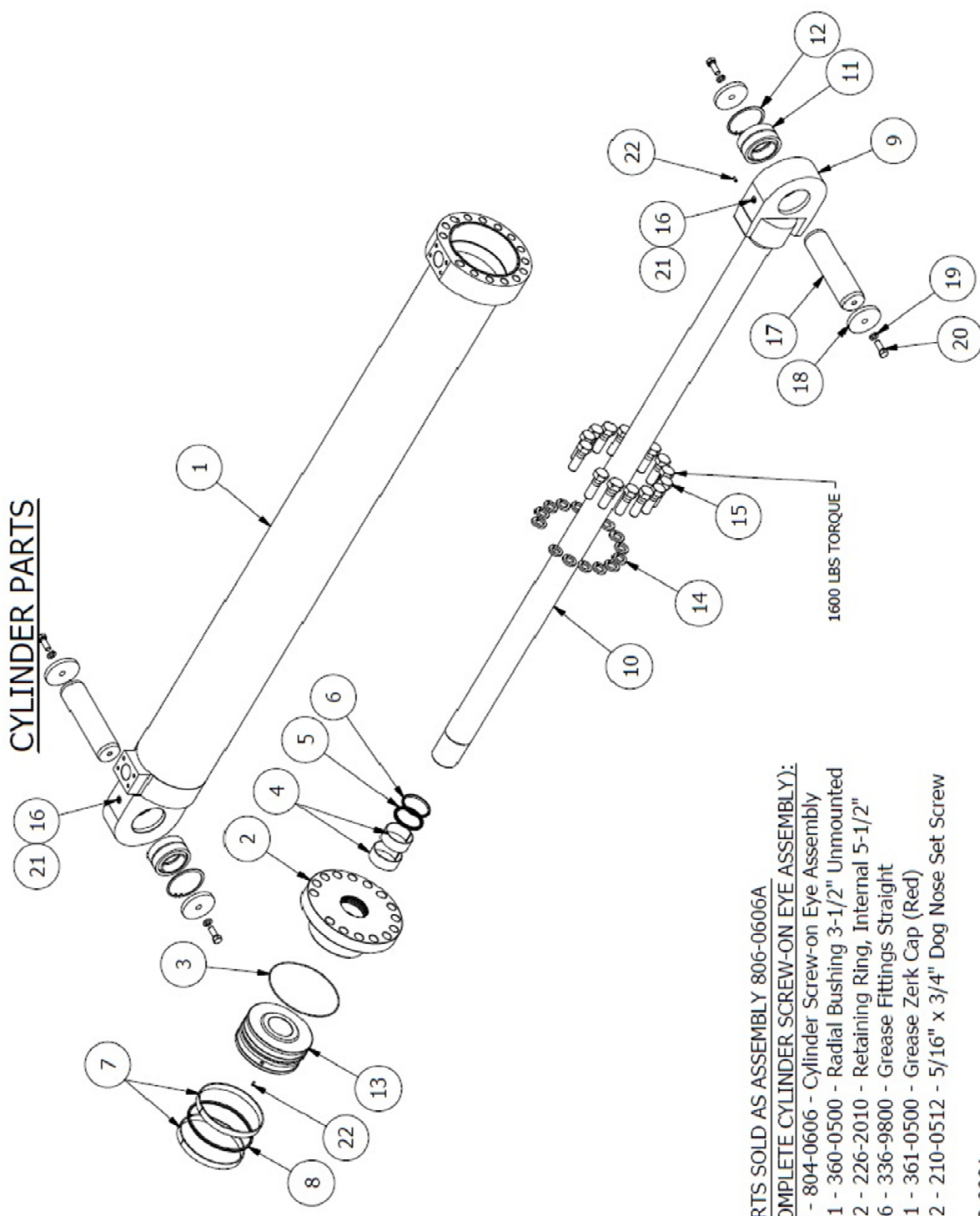
Item	Qty	Part No.	Desc.
1	1	804-0001	Cylinder Assembly
2	2	802-0960	Standard Speed Adapter
3	8	216-0840-32	½"-13 x 2" Socket Head Cap Screw
4	2	333-0232	O-ring
5	8	215-6408	½" Lock Washers
6	2	802-0096	Cylinder Lifting Hook
7	1	804-0888	Cylinder Hose Mount Clamp (Front)
8	1	802-0889	Cylinder Hose Mount Clamp (Back)



Parts List

Item	Qty	Part No.	Description
1	1	804-0001	Cylinder Assembly
2	2	806-0901	High Speed Regen Valve Assembly
3	2	804-0647	High Speed Hydraulic Tubes (one right, one left)
4	16	216-0840-80	½"-13 x 5" Socket Head Cap Screw
5	4	333-0232	O-Ring
6	16	215-6408	½" High Collar Lock Washer

CYLINDER PARTS

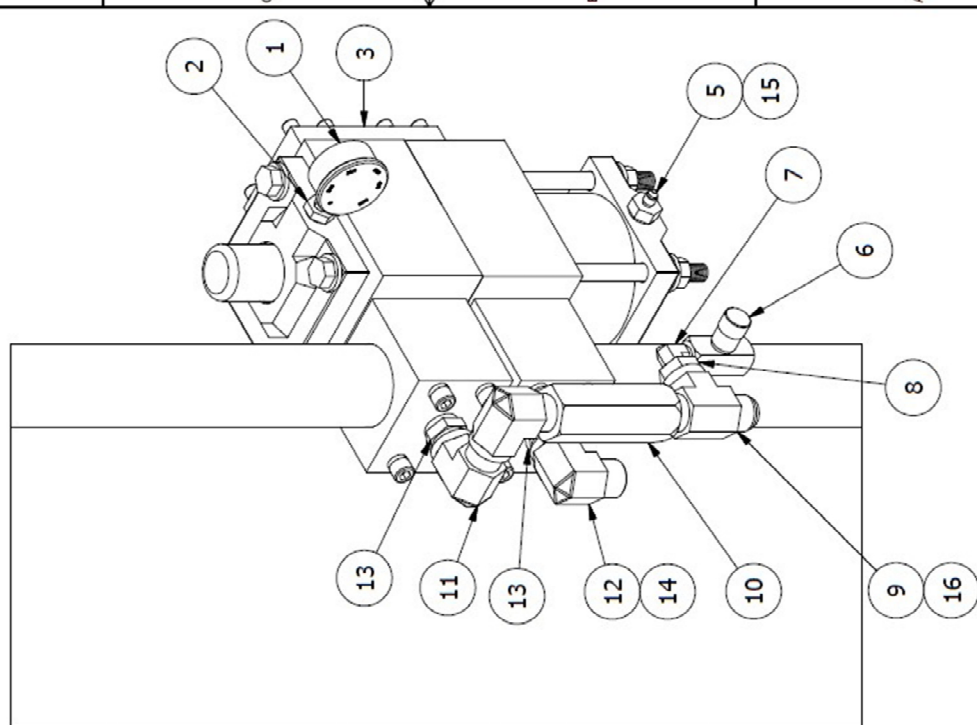


- PARTS SOLD AS ASSEMBLY 806-0606A
 (COMPLETE CYLINDER SCREW-ON EYE ASSEMBLY):
 #9 - 804-0606 - Cylinder Screw-on Eye Assembly
 #11 - 360-0500 - Radial Bushing 3-1/2" Unmounted
 #12 - 226-2010 - Retaining Ring, Internal 5-1/2"
 #16 - 336-9800 - Grease Fittings Straight
 #21 - 361-0500 - Grease Zerk Cap (Red)
 #22 - 210-0512 - 5/16" x 3/4" Dog Nose Set Screw

808-0001

Cylinder Parts List (808-0001)			
Item	Qty	Part No.	Description
1	1	804-0001	Cylinder Weldment Assembly
2	1	802-0200	Cylinder Top Gland
3	1	333-m270	Top Gland Seal*
4	2	334-4004	Rod Wear Rings*
5	1	334-1040	Deep Z Rod Seal*
6	1	334-0004	Rod Wiper*
7	2	334-4010	Piston Wear Rings*
8	1	334-2010	Piston Crown Seal*
9	1	804-0606	Cylinder Screw-on Eye Assembly
10	1	802-0400	Cylinder Rod
11	2	360-0500	Radial Bushing
12	2	226-2010	Retaining Ring, Internal 5-1/2"
13	1	802-0300	Cylinder Piston
14	15	208-6820	1-1/4" Lock Washers
15	15	208-2032	1-1/4" x 4" Grade 8 Bolts
16	2	336-9800	Grease Fitting Straight
17	2	802-0009	Cylinder Pins
18	4	800-0105	Pin Plates
19	4	205-6412	3/4" Lock Washers
20	4	205-1216	3/4"-10 x 2" Grade 5 Bolts
21	2	361-0500	Grease Zerk Cap (Red)
22	2	210-0512	5/16" x 3/4" Dog Nose Set Screw

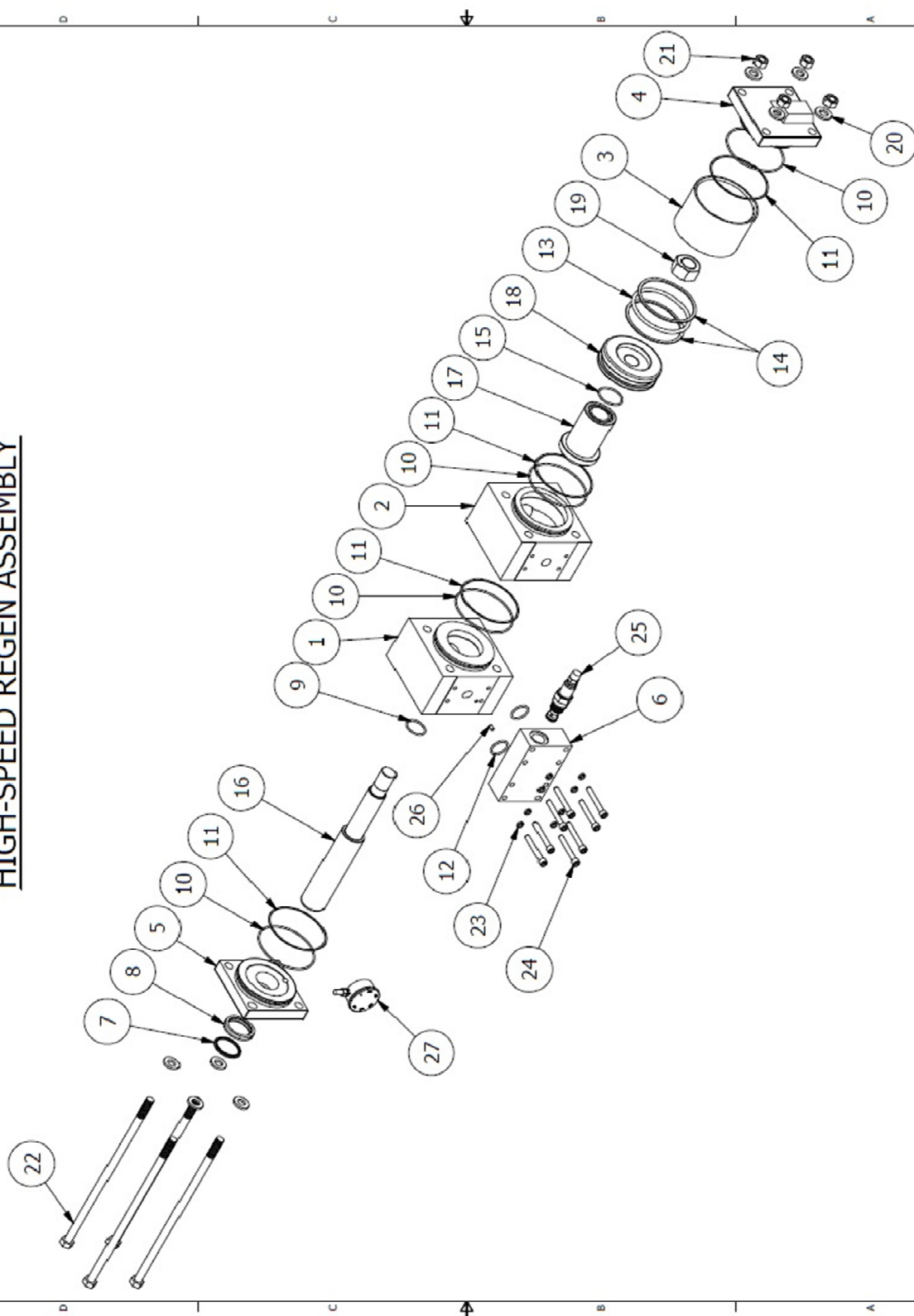
*All seals in a kit – not sold separately. Part No. 334-9005



High-Speed Hydraulic Fitting Parts List

Item	Qty	Part No.	Description
1	1	335-1010	Pressure Gauge 0-5000 psi
2	1	336-6405-10-4	7/8" Male O-Ring x 1/4" FNPT
3	1	802-0935	Relief Manifold
4	1	331-3023	Relief Spool 2800 psi
5	1	3336-6400-4-10	1/4" MJIC x 5/8" Male O-Ring
6	1	331-4106	Needle Valve #6 NPT
7	1	336-5500-06-06	3/8" MNPT 90
8	1	336-5406-16-06	Reducer Bushing 1" x 3/8"
9	1	336-2611-16-16-16	1" MJIC x 1" MNPT x 1" FNPT
10	1	331-5016	Check Valve #16 FNPT
11	2	336-5502-16-16	1" MNPT x 1" FNPT 90
12	1	336-2502-16-16	1" MJIC x 1" FNPT 90
13	2	336-5404-16	1" Straight Male Pipe
14	1	346-0044-53/83	Hydraulic Hose 53" (Rear) 83" (Front) – Not Shown
15	1	346-0044-26	High Speed Regen Block Hose – Not Shown
16	1	346-0044-50/83	Hydraulic Hose 50" (Rear) 83" (Front) – Not Shown

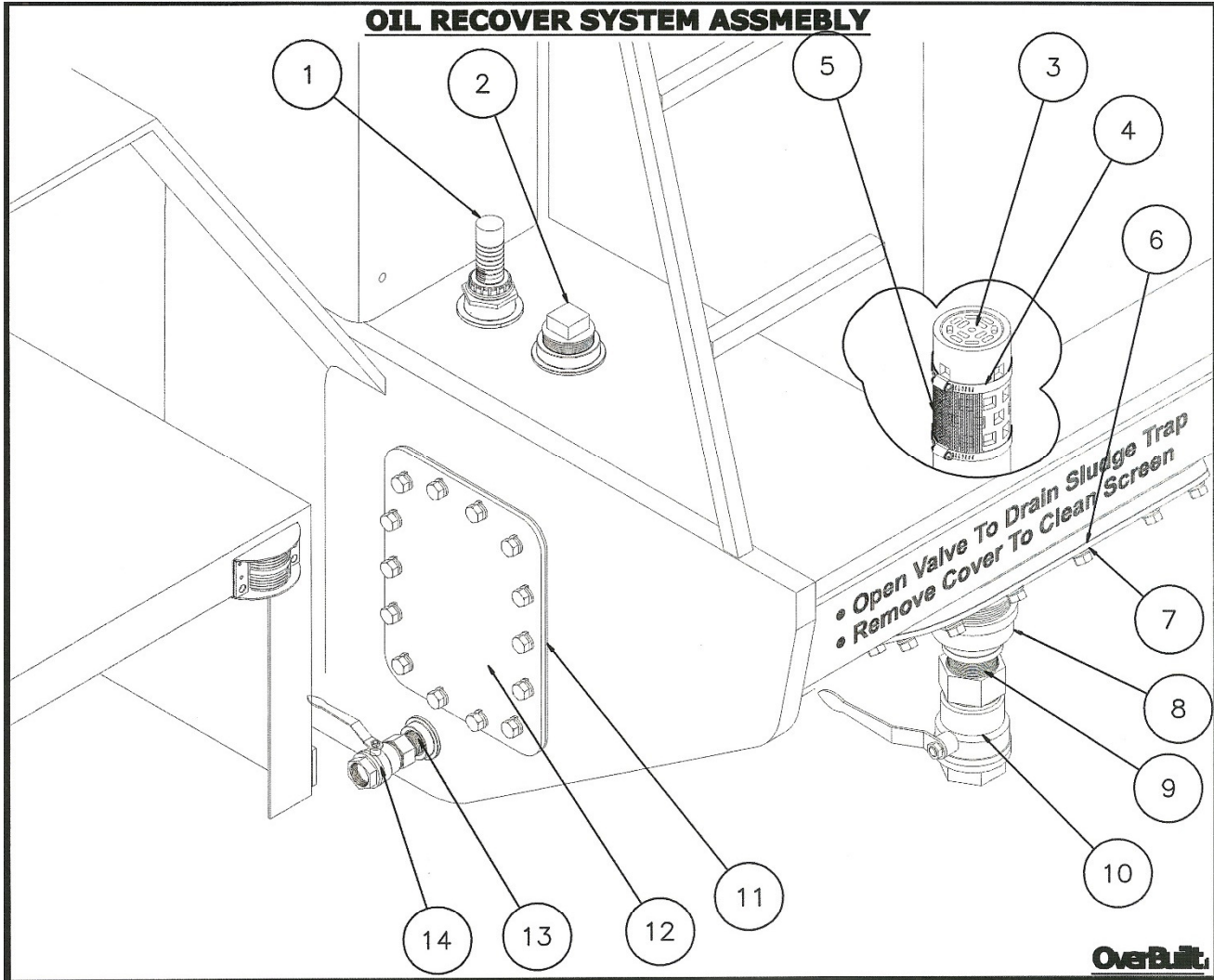
HIGH-SPEED REGEN ASSEMBLY



High-Speed Regen Assembly Parts List			
Item	Qty	Part No.	Description
1	1	802-0920	Top Section (Small)
2	1	802-0900	Bottom Section (Large)
3	1	802-0990	Cylinder Tube
4	1	330-65255	Cylinder Top Regen Ass.
5	1	330-65256	Cylinder Bottom Regen Ass.
6	1	802-0935	Relief Manifold Regen Ass.
7	1	330-35253	Rod Wiper Seal (Outer)*
8	1	330-35252	Rod Wiper Seal (Inner)*
9	1	330-0224	Shaft O-Ring*
10	4	333-1248	Tube to Block Backup O-Ring*
11	4	333-0248	Tube to Block O-Ring*
12	2	333-0219	Relief Block O-Ring*
13	1	330-652500	Piston O-Ring (Regen Block)*
14	2	330-65250	Piston O-Ring Spacers*
15	1	333-0231	Sleeve to Piston O-Ring*
16	1	802-0970	Cylinder Shaft
17	1	802-0980	Cylinder Sleeve
18	1	330-65259	Cylinder Piston
19	1	205-8424	1-1/4" Locking Nut
20	8	208-6210	5/8" Thru Hard Washers
21	4	209-8610	5/8"-18 Grade 8 Nut
22	4	209-10128	5/8"-18 x 16" UNF Cylinder Bolts
23	8	215-6406	3/8" High Collar Washers
24	8	216-0622	3/8"-16 x 2-3/4" Socket Head Cap Screw
25	1	331-3023	Pressure Relief Spool 2800 psi
26	1	226-0408	Dowl Pin, 1/4" x 1/2" Stainless
27	1	335-1010	5,000 PSI Gauge

*All seals in a kit, not sold separately. Part No. 334-9006

OIL RECOVER SYSTEM ASSMEBLY



Parts List

ITEM	QTY	PART NO.	ITEM
1	1	335-1121	Oil Level Gauge
2	1	336b-5406-32	Fill Plug
3	1	802-3021	Drain Cover
4	2	342-8056	Screen Clamp
5	1	332-0002	Perforated Screen
6	2	802-3012g	Cover Gasket
7	1	802-3012	Cover
8	1	336b-6400-32-48	Bell Reducer
9	1	336b-5404-32	Close Nipple
10	1	331-6032	2" Ball Valve
11	1	802-3051g	Cover Plate Gasket
12	1	802-3051	Cover Plate
13	1	336b5404-16	Close Nipple
14	1	331-6016	1" Ball Valve

Electric Motor Maintenance

Preventative Ongoing Maintenance:

- A. Exterior cleaning – wipe down all motors with a soft cloth and, whenever possible, use compressed air to hose the motor housing, in between the cooling ribs and at the fan and fan cover sections.
- B. Follow the bearing lubrication schedule provided by the manufacturer! 95% of all motor problems are bearing problems. **(USE MOBILE POLYREX EM ONLY)**

LUBRICATION SCHEDULE (IN HOURS)				
Horsepower	DE Bearing	Grease Amt (Oz.)	ODE Bearing	Grease Amt (Oz.)
100	5000	1.22	5000	0.86

- C. Monitor the bearing temperature on the motor, especially the drive-end bearing, to ensure it does not exceed 140°F (60°C).
- D. Whenever possible, have the insulation checked periodically by an authorized motor specialist.
- E. Whenever possible, follow a bearing maintenance program of purging the grease completely through the bearings every six months and replacing the bearings when the recommended L-10 life (in running hours) expires.
 - 1. Belt drive applications – 50,000 hours
 - 2. Direct coupled applications – 100,000 hours

Shut Down Timer Instructions

- A. After an initial button on the remote has been pushed, the motor will shut down after 20 minutes when a function button on the transmitter or receiver is not used.
- B. To Restart Timer: Turn on transmitter and press left or right down.

E-STOP

Make sure the E-Stop button is disengaged before attempting to start crusher.



OPERATOR MAINTENANCE RECORD

ITEM	DATE	HOURS	SERVICED BY	COMMENTS
250 HOUR SERVICE				
Fuel Filters				
Auxiliary Fuel Pump Filter				
Engine Pre-Filter				
Engine Final Filter				
Air Cleaner				
Primary Element				
Secondary Element				
Engine				
See Engine Manual				
500 HOUR SERVICE				
Fuel Filters				
Auxiliary Fuel Pump Filter				
Engine Pre-Filter				
Engine Final Filter				
Air Cleaner				
Primary Element				
Secondary Element				
Engine				
See Engine Manual				
Hydraulic Filters				
10 Micron Nominal				
10 Micron Water				
750 HOUR SERVICE				
Fuel Filters				
Auxiliary Fuel Pump Filter				
Engine Pre-Filter				
Engine Final Filter				
Air Cleaner				
Primary Element				
Secondary Element				
Engine				
See Engine Manual				
1000 HOUR/12 MONTH SERVICE				
Fuel Filters				
Auxiliary Fuel Pump Filter				
Engine Pre-Filter				
Engine Final Filter				
Air Cleaner				
Primary Element				
Secondary Element				
Engine				
See Engine Manual				
Hydraulic Filters				
10 Micron Nominal				
10 Micron Water				
High Pressure Hydraulic Filters				
Filter Cartridges				
Hydraulic Oil				
Change Oil				

**CHECK ALL FLUID LEVELS, GREASE &
VISUALLY INSPECT CRUSHER DAILY**