



Operations Maintenance Technical Data Parts List

MANUAL NFL - REV B MAR 2020



NIECE EQUIPMENT FUEL/LUBE TRUCK

NFL1000, NFL2000

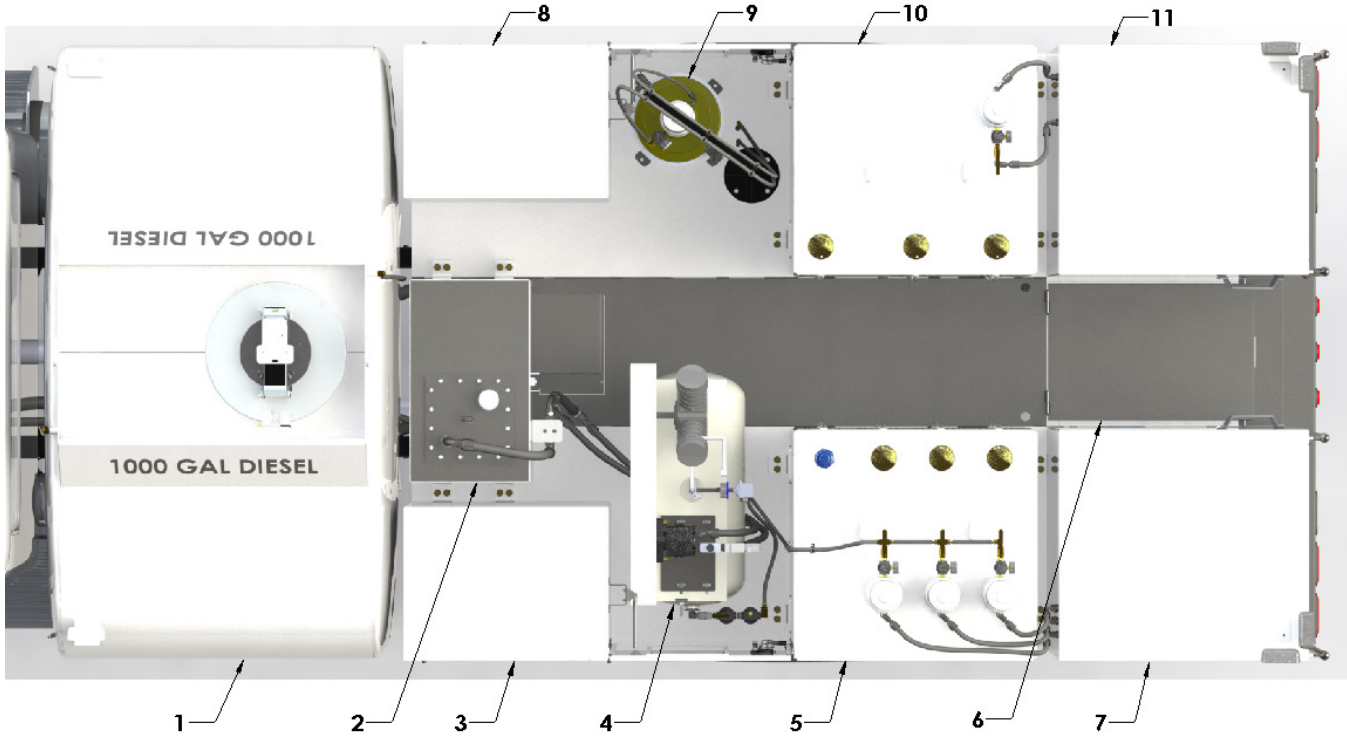
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Thank you for purchasing a Niece Equipment Fuel/Lube Truck. Please read through this manual carefully to ensure you get the best results from your equipment and operate it safely. If a problem should arise or if you have any questions, please contact us at 512.252.3808. This manual should be considered a permanent part of the truck and should remain with it at all times.

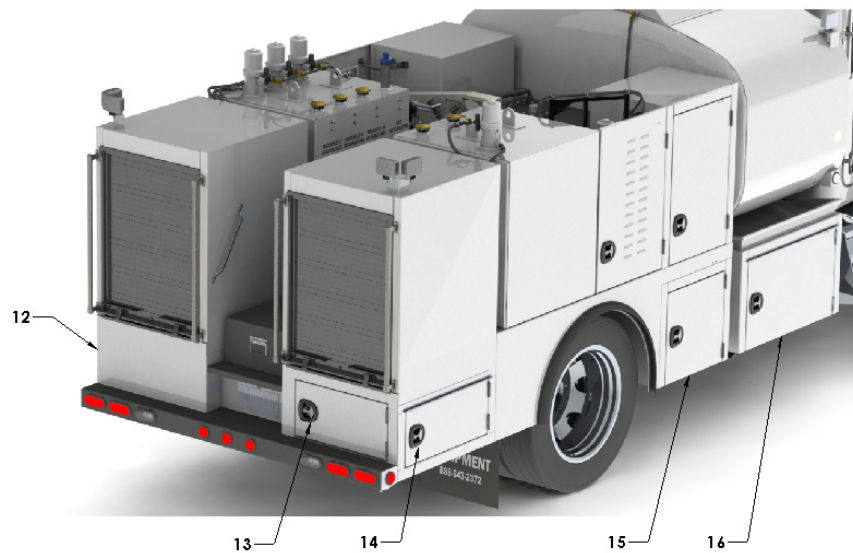
LUBE BED OVERVIEW

Note: NFL1000 shown.



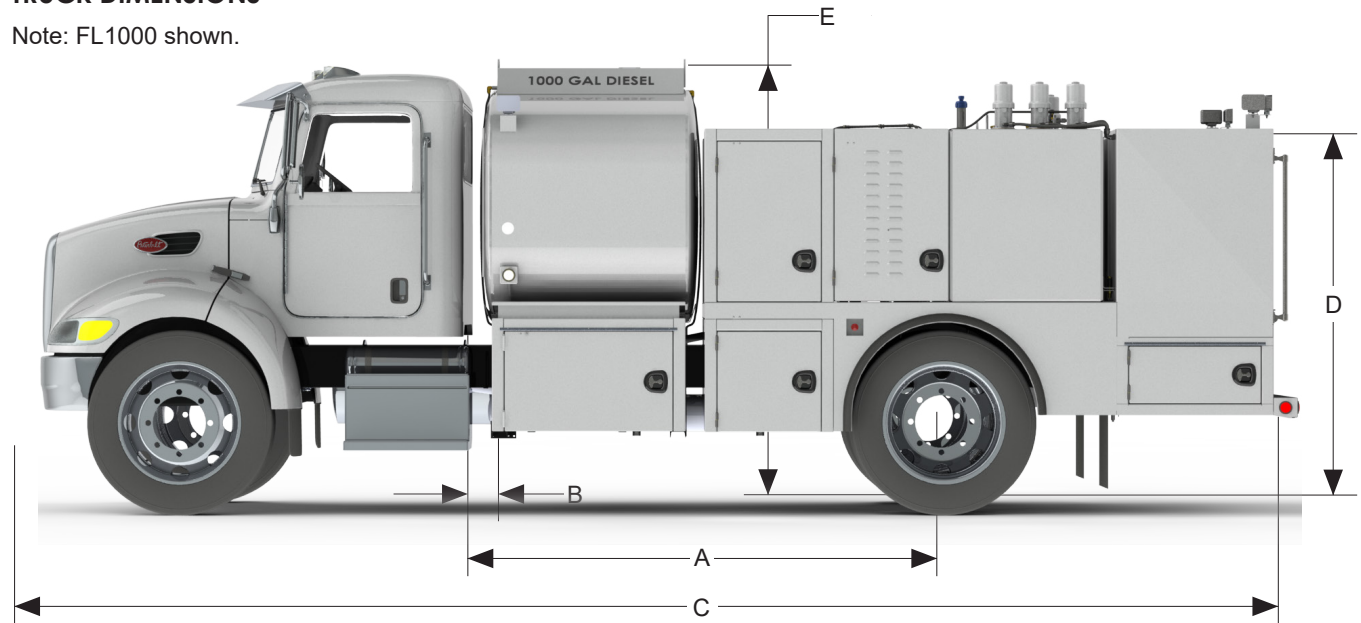
Fuel/Lube Bed - Top

1. Diesel Tank
2. 60 Gallon Hydraulic Reservoir
3. Street Side Top Cabinet
4. Air Compressor
5. Street Side Product Bank Tank
6. Rear Hatch Pump Compartment
7. Street Side Reel Cage
8. Curb Side Top Cabinet
9. Grease Station
10. Curb Side Product Bank Tank
11. Curb Side Reel Cage
12. Used Filter Drawer
13. Rear Control Panel
14. Pump Compartment
15. Curb Side Bottom Cabinet (Street Side Bottom Cabinet not shown)
16. Curb Side Toolbox (Street Side Toolbox not shown)



TRUCK DIMENSIONS

Note: FL1000 shown.



DIM	FL2000	FL1000
A	168" (CT)	120" (CA)
B	8"	8"
C*	383"	323 1/2"
D*	92 1/2"	92 1/2"
E*	110"	110"

*Dimensions for reference only.

TRUCK HARDWARE

SIZE	PLAIN	ZINC PL.
1/2-13	106	96
5/8-11	212	191
3/4-10	376	339

Recommended Assembly
Torques (ft./lbs.)

Niece Trucks are built with Production Grade 8 coarse thread matched system components (bolts, nuts, washers) with ultimate tensile strength of 150,000 PSI minimum.

Niece Equipment uses both plain-dry (Plain) and zinc plated (Zinc Pl.) hardware.

Note: the recommended assembly torque values in the table to the left are offered as a guide only.

Note: all torque values are based upon using matched system components and have been tightened from the nut.

Note: subsequent variables such as oil or other lubricants may appreciably alter these values and must be taken into consideration.

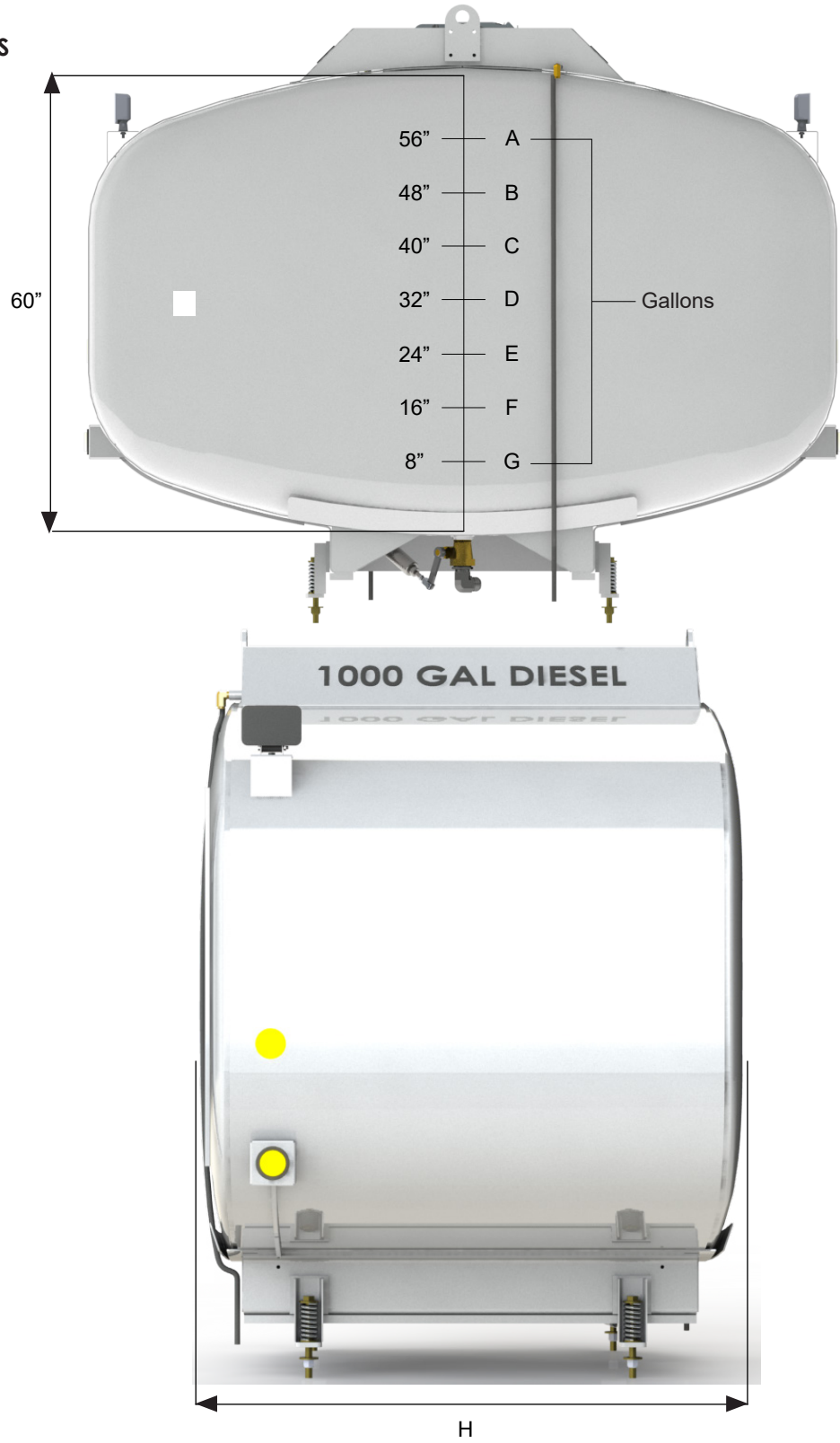
WARNING! It is imperative that all bed and tank mounting bolts are inspected regularly.

GENERAL INFORMATION - FUEL TANK FILL PROFILES

FUEL/LUBE FUEL TANK FILL PROFILES

Note: 2000 gallon fuel tank shown.

DIM	FL2000	FL1000
A	2000	1000
B	1745	870
C	1435	715
D	1115	560
E	800	390
F	480	240
G	185	90
H	103.75"	55.75"



Fuel/Lube Fuel Tank

GENERAL INFORMATION - BAY TANK FILL PROFILES

FUEL/LUBE BAY TANK FILL PROFILES

Note: FL1000 street side combination bay tank shown.

WARNING! Do not fill bay tanks past top oil eye.



FL1000	A	B	C	FL2000	A	B	C
CAP.	25%	50%	100%	CAP.	25%	50%	100%
PROD. A	15g	30g	60g	PROD. A	22g	43g	85g
PROD. B	15g	30g	60g	PROD. B	22g	43g	85g
PROD. C	15g	30g	60g	PROD. C	22g	43g	85g
PROD. D	19g	38g	75g	PROD. D	25g	50g	100g
WATER	13g	25g	50g	WATER	19g	38g	75g
OIL REC.	25g	50g	100g	OIL REC.	38g	75g	150g
DEF	13g	25g	50g	DEF	19g	38g	75g

OPERATIONS - PTO

ENGAGING THE PTO

Note: Operator is required to have a valid and proper driver's license to operate equipment as mandated by state law.

1. Stop truck and secure parking brake. Shift transmission into neutral.
2. If standard transmission, with the engine at an idle, depress clutch and flip the PTO switch to the ON position. If automatic press rocker switch while in neutral to engage PTO
3. When the PTO is fully engaged, you can start operating the lube bed

WARNING! Never try to engage the PTO without depressing the clutch. Severe damage to the PTO will result.

WARNING! Let engine RPM drop before turning switches to OFF. Failure to do so can result in damage to pumps, PTO and/or drive line.

WARNING! Avoid shifting gears with system engaged. Shifting may cause damage to PTO, pumps and/or drive line.

WARNING! Never repair, inspect or maintain system while PTO system is engaged or truck is running. Severe injury or death may result.

CONTROL SWITCHES

REF	DESCRIPTION
1	FUEL (EMERGENCY SHUT OFF)
2	AIR COMPRESSOR
3	WASTE OIL
4	ANTI-FREEZE
5	GREASE
6	DEF
7	SUMP SELECTOR VALVE
8	FOUR-WAY EVAC VALVE

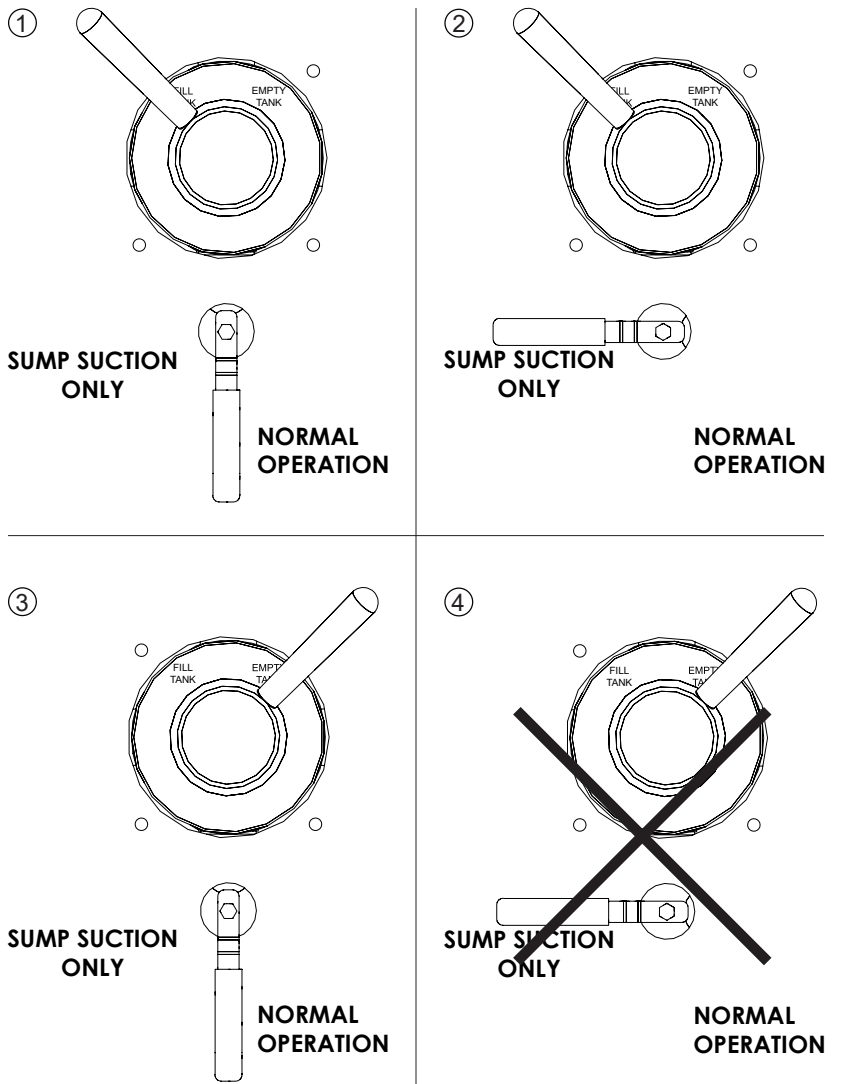


FOUR-WAY EVACUATION VALVE

REF	DESCRIPTION
1	Fill Oil Reclaim Tank with the Oil Reclaim Hose Nozzle.
2	Fill Oil Reclaim Tank from the sump only.
3	Empty the Oil Reclaim Tank with the Oil Reclaim Hose Nozzle.
4	Empty the Oil Reclaim Tank into the sump.

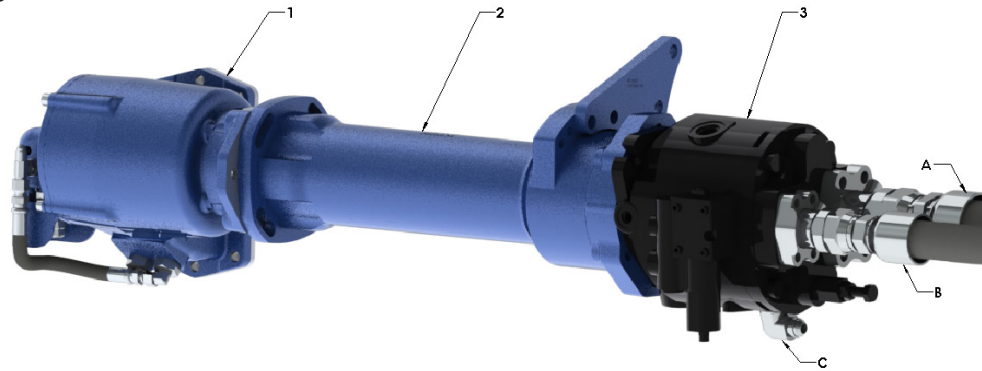
WARNING! Never operate Oil Reclaim system with Four-Way Valve and three-way ball valve in position 4.

WARNING! Always keep lower waste sumps clean - small rocks, bolts, nuts, rags, mud or any foreign objects can cause a blockage in the waste oil system. Lower waste sumps are equipped with belly drains to help remove foreign objects.



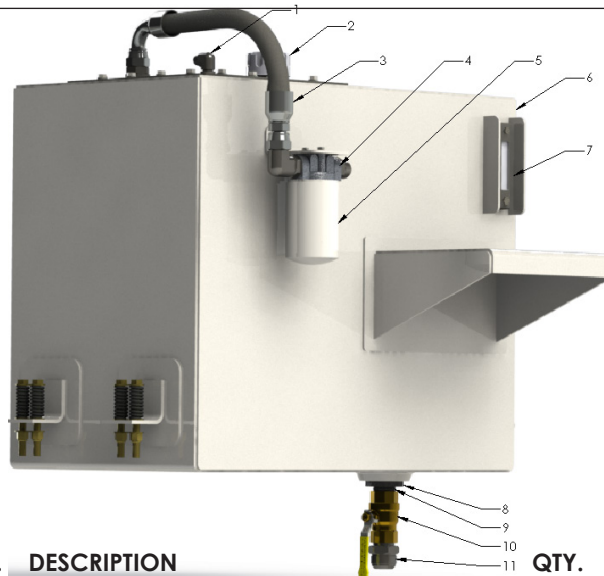
PARTS - PTO/PISTON PUMP, HYDRAULIC RESERVOIR

PTO and P1/PD PISTON PUMP



REF.	DESCRIPTION	QTY.	PART #
1	Power Take Off	1	Varies
2	Parker Hydraulic Piston Pump	1	40000950001
A	Hyd. reservoir outlet to hyd. pump inlet	1	30009500094
B	Hydraulic pump outlet to hydraulic tee	1	30009500091
C	Hyd. pump case drain to hyd. reservoir	1	30009500069

HYDRAULIC RESERVOIR



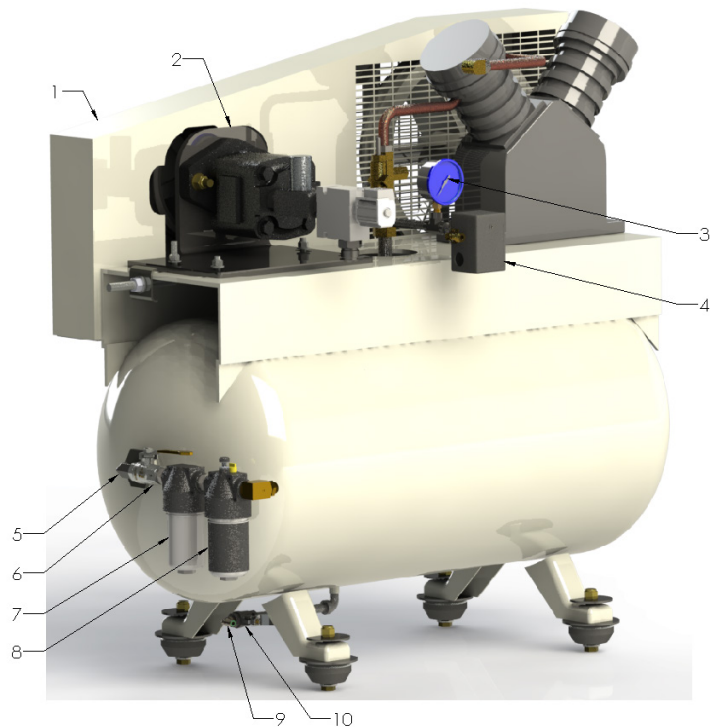
REF.	DESCRIPTION	QTY.	PART #
1	Steel Hydr Fitting - MJIC x MNPT Elbow -08	1	18031861
2	Bayonette Style Filler Breather	1	90000810016
3	Hydr Hose - Filter Outlet to Tank Return	1	30009500107
4	Aluminum SAF SAE 16 Hydr Filter Housing	1	66020950002
5	10 Micron Spin-On Hydr Filter Element	1	66000950011
6	60 Gallon Hydr Reservoir	1	87002900025
7	Stauff Level and Temperature Gauge	1	21000930000
8	Stauff 2" Suction Strainer	1	13010950026
9	1.25" Close Nipple	1	18030130
10	1.25" Brass Ball Valve	1	39016642
11	Steel Hydr Fitting - MJIC x MNPT -24x-20	1	14010950458

AIR COMPRESSOR

WARNING! Add oil to the Air Lubricator (5) daily.

WARNING! Drain water out of the Air Compressor and Air Dryer (4) daily.

WARNING! Air pressure should not exceed 120 psi.



REF.	DESCRIPTION	QTY.	PART #
1	Ingersoll-Rand Air Compressor	1	41000970009
2	Air Compressor Hydraulic Conversion Kit	1	----
3	Pneumatic Pressure Gauge 0 to 160 psi	1	21000970000
4	Furnas Pressure Switch	1	60000770013
5	Steel Fitting - MNPT Elbow -08	1	NEEDSNUM106
6	1/2" Steel Ball Valve	1	NEEDSNUM105
7	1/2" Air Dryer/Filter - 40 Micron @ 125 psi	1	66000970000
8	1/2" Air Lubricator	1	17000970000
9	Nickel Plated Air Fitting - Elbow 90 -04	1	17040970045
10	1/4" Galvanized Ball Valve	1	NEEDSNUM107

Note: Air Compressor Hydraulic Conversion Kit consists of:

Hydraulic Gear Motor M020	45000970000
Hydraulic Needle Valve Pressure Comp Flow Control	20000950000
Hydraulic Steel Valve Block PARKER B10-2-8T	13000950065
Hydraulic Cartridge Valve 2-Way Poppet Style	20000950001
Hydraulic Valve Cartridge Coil 0.625" 12V	60000770006

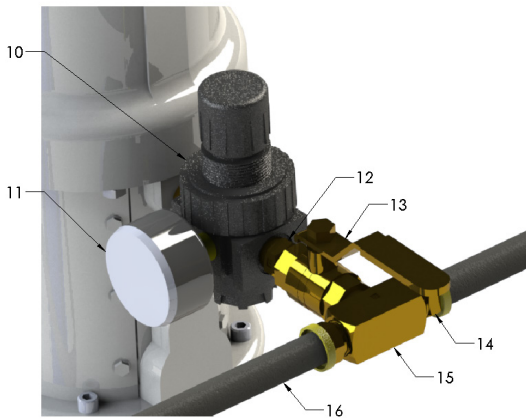
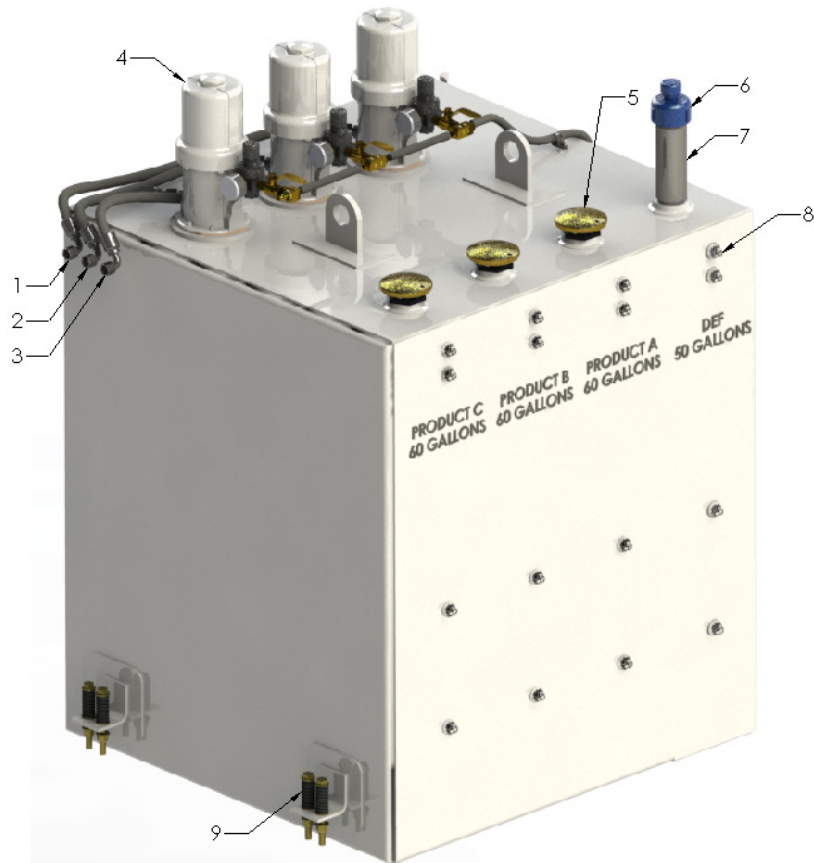
PARTS - STREET SIDE PRODUCT TANK

STREET SIDE PRODUCT TANK

WARNING! Air supply to the Fireball 5:1 Pumps should not exceed 60 psi.

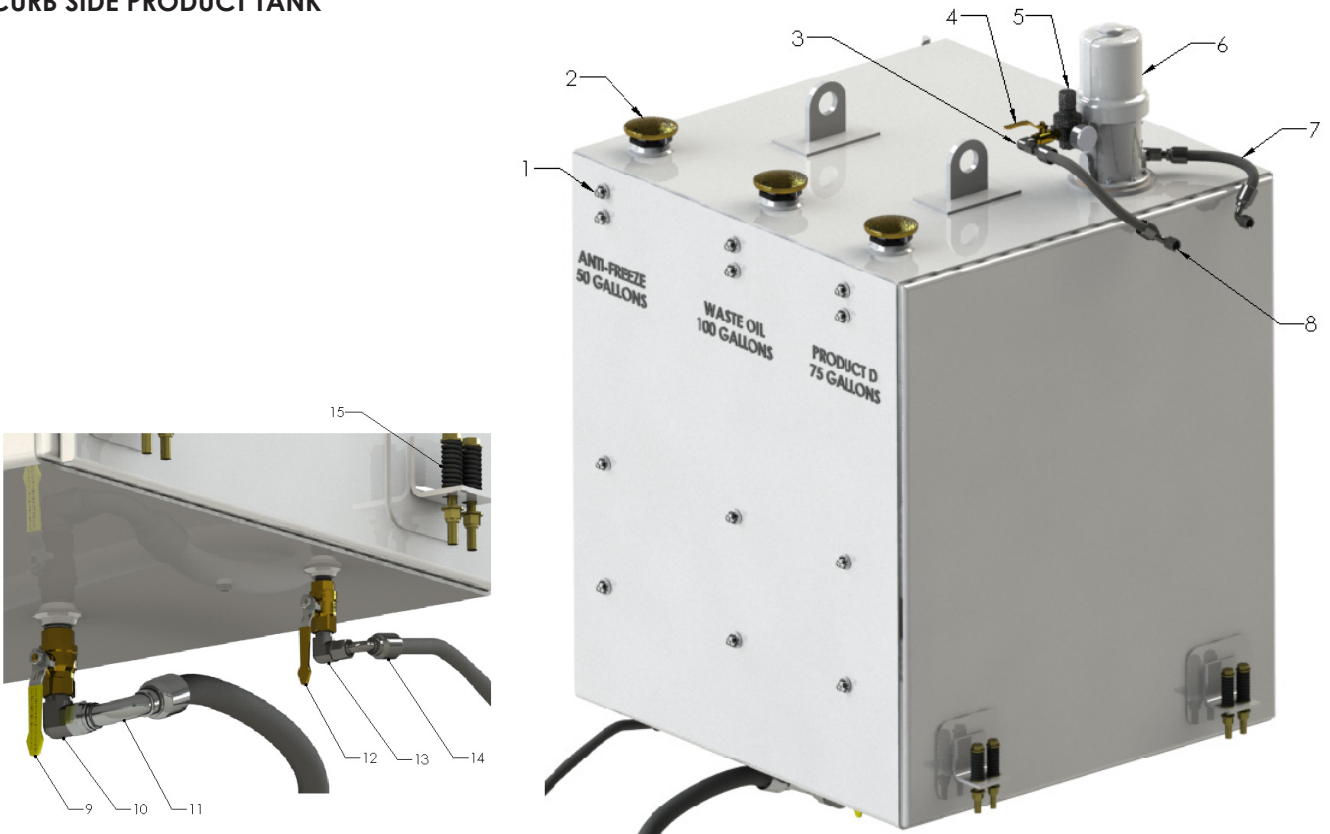
WARNING! Do not let the product tanks go dry.

WARNING! Do not run fuel through the Fireball 5:1 Pumps.



REF.	DESCRIPTION	QTY.	PART #
1	Hyd. Hose - Product A to Tail	1	30009500070
2	Hyd. Hose - Product B to Tail	1	30009500071
3	Hyd. Hose - Product C to Tail	1	30009500072
4	Graco Fireball 300 5:1 Pump	3	40000850004
5	2" Pre-Vent Fill Cap	3	26000920002
6	2" Poly Vented Cap	1	91002630010
7	2" x 8" SS304 Pipe Nipple	1	15030260001
8	1/2" SAE Oil Eye	16	21060810000
9	Spring Tank Mount Kit	8	---
10	3/8" Pneumatic Regulator	3	21000810007
11	Pneumatic Pressure Gauge 0 to 160 psi	3	21000910000
12	3/8" Brass Hex Nipple	3	14040950001
13	3/8" Brass Ball Valve	3	39058032
14	3/8" Brass Push-on Hose Barb x MNPT	5	15040970001
15	3/8" Brass Pipe Branch Tee	2	15040970000
16	Black Nylon Air Hose		12050970000

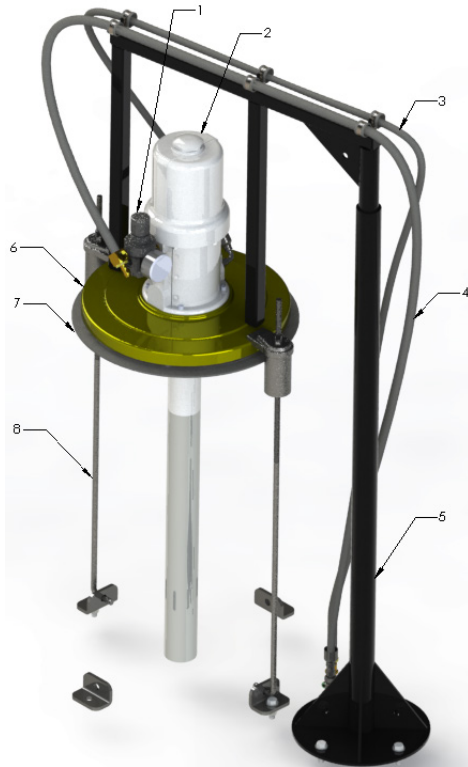
CURB SIDE PRODUCT TANK



REF.	DESCRIPTION	QTY.	PART #
1	1/2" SAE Oil Eye	12	21060810000
2	2" Pre-Vent Fill Cap	3	26000920002
3	Steel Fitting - MNPT x MJIC Elbow -06	1	30009500074
4	3/8" Brass Ball Valve	1	39058032
5	Air Regulator Assembly	1	pg. 12
6	Graco Fireball 300 5:1 Pump	1	40000850004
7	Hyd. Hose - Product D to Tail	1	30009500073
8	Air Hose - Fireball Pump Supply from Tail	1	30009500074
9	1" Brass Ball Valve	1	39027250
10	Steel Fitting - MNPT x MJIC Elbow -16	1	18031864
11	Waste Oil Hose - Tank to Tail Bulkhead	1	30009500090
12	1/2" Brass Ball Valve	1	39027248
13	Steel Fitting - MNPT x MJIC Elbow -08	1	18031861
14	Coolant Hose - Tank to Tail Bulkhead	1	30009500058

PARTS - GREASE STATION, PUMP COMPARTMENT

120 LB GREASE STATION



REF.	DESCRIPTION	QTY.	PART #
1	Air Regulator Assembly	1	pg. 12
2	Graco Fireball 300 50:1 Pump for 120 lb	1	40000850005
3	Grease Hose - Pump Outlet to Deck	1	30009500068
4	Air Hose - Deck to Fireball Pump	1	30009500007
5	Grease Stand	1	91002900051
6	Grease Cover Plate for 120 lb	1	26000850011
7	Grease Follower Plate for 120 lb	1	26010850020
8	Grease Tie Down Kit for 120 lb	1	26010850003

NOTE: Grease Stations are available in 120 and 400 lb. configurations:
400 lb Configuration:

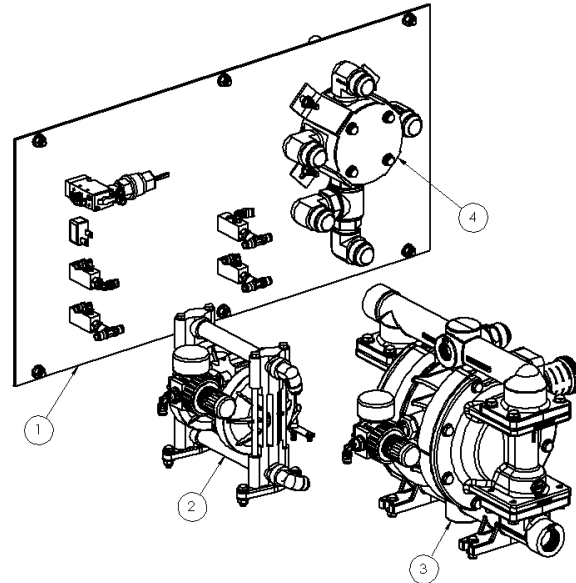
Graco Fireball Pump	40000850001
Graco Cover Plate	26000850010
Graco Follower Plate	26050850000
Graco Tie Down Kit	26050850004

WARNING! Air supply to the Fireball 50:1 Pumps should not exceed 100 psi.

WARNING! Do not let the grease barrel go dry.

WARNING! Do not run fuel through the Fireball 50:1 Pump.

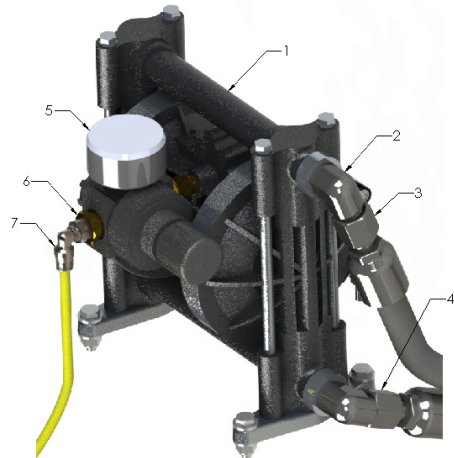
CURB SIDE PUMP COMPARTMENT OVERVIEW



REF.	DESCRIPTION	QTY.	PART #
1	Rear Control Panel	1	pg. 16
2	3/8" Husky 307 Coolant Pump	1	pg. 15
3	1" Wilden Oil Reclaim Pump	1	pg. 15
4	4-Way EVAC Selector Valve	1	pg. 15

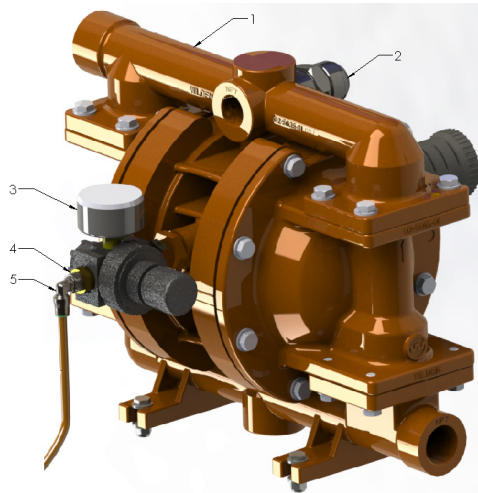
PARTS - CURB SIDE PUMP COMPARTMENT

HUSKY 307 WATER PUMP



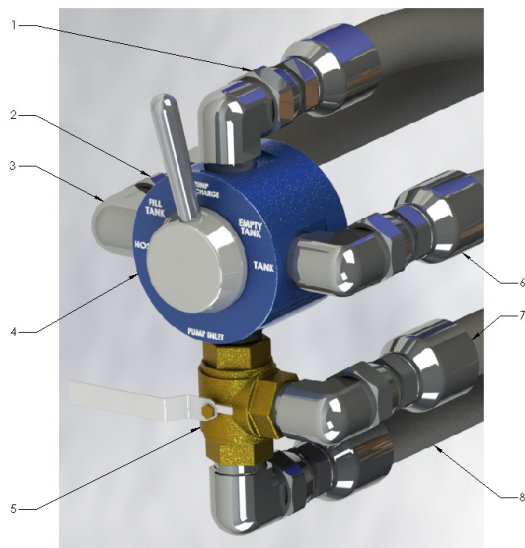
REF.	DESCRIPTION	QTY.	PART #
1	Husky 307 Water Pump	1	40000850000
2	Steel Fitting - MNPT x MJIC Elbow -06	2	NEEDSNUM50
3	Water - pump outlet to bulkhead	1	30009500001
4	Water - tail bulkhead to pump inlet	1	30009500004
5	Air Regulator Assembly	1	pg. 12
6	Brass Hex Bushing - 3/8" x 1/4"	1	15040380002
7	1/4" Air Tube Elbow Fitting	1	17040970045

WILDEN OIL RECLAIM PUMP



REF.	DESCRIPTION	QTY.	PART #
1	Wilden Double Diaphragm Pump	1	40020810006
2	Steel Fitting - MNPT x MJIC -16	2	18031825
3	Air Regulator Assembly	1	pg. 12
4	Brass Hex Bushing - 3/8" x 1/4"	1	15040380002
5	1/4" Air Tube Elbow Fitting	1	17040970045

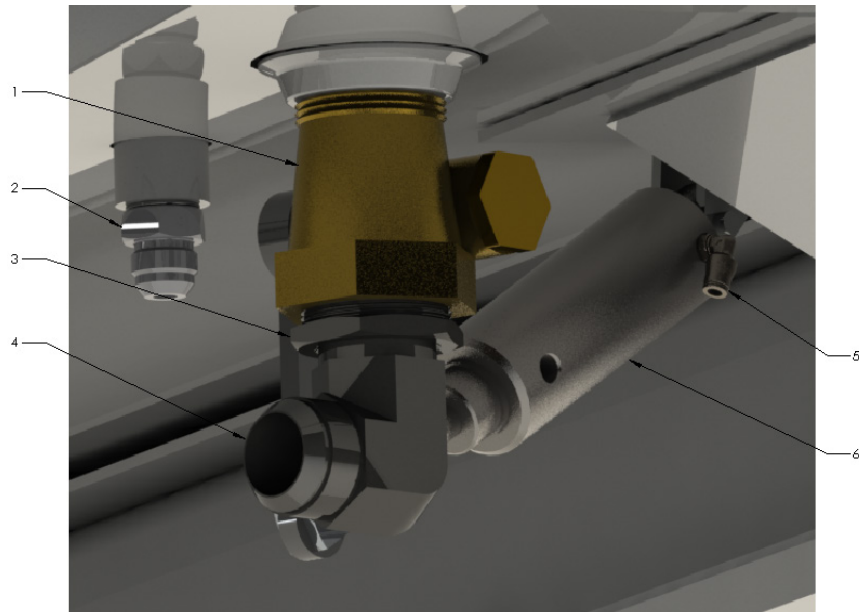
FOUR-WAY EVACUATION VALVE



REF.	DESCRIPTION	QTY.	PART #
1	Oil Reclaim - 4-Way Valve to Pump Outlet	1	----
2	Oil Reclaim - 4-Way Valve to Hose Reel	1	----
3	Steel Fitting - Elbow MNPT x MJIC -16	1	18031864
4	Graco 4 Way EVAC Valve	1	39054688
5	1" Three Way Ball Valve	1	20040660000
6	Oil Reclaim - 4-Way Valve to Tank	1	----
7	Oil Reclaim - 4-Way Valve to Pump Inlet	1	----
8	Oil Reclaim - 4-Way Valve to Sump	1	----

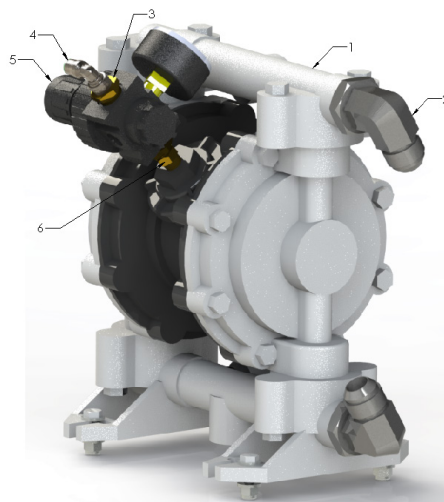
PARTS - EMERGENCY VALVE ON FUEL TANK

EMERGENCY VALVE ON FUEL TANK



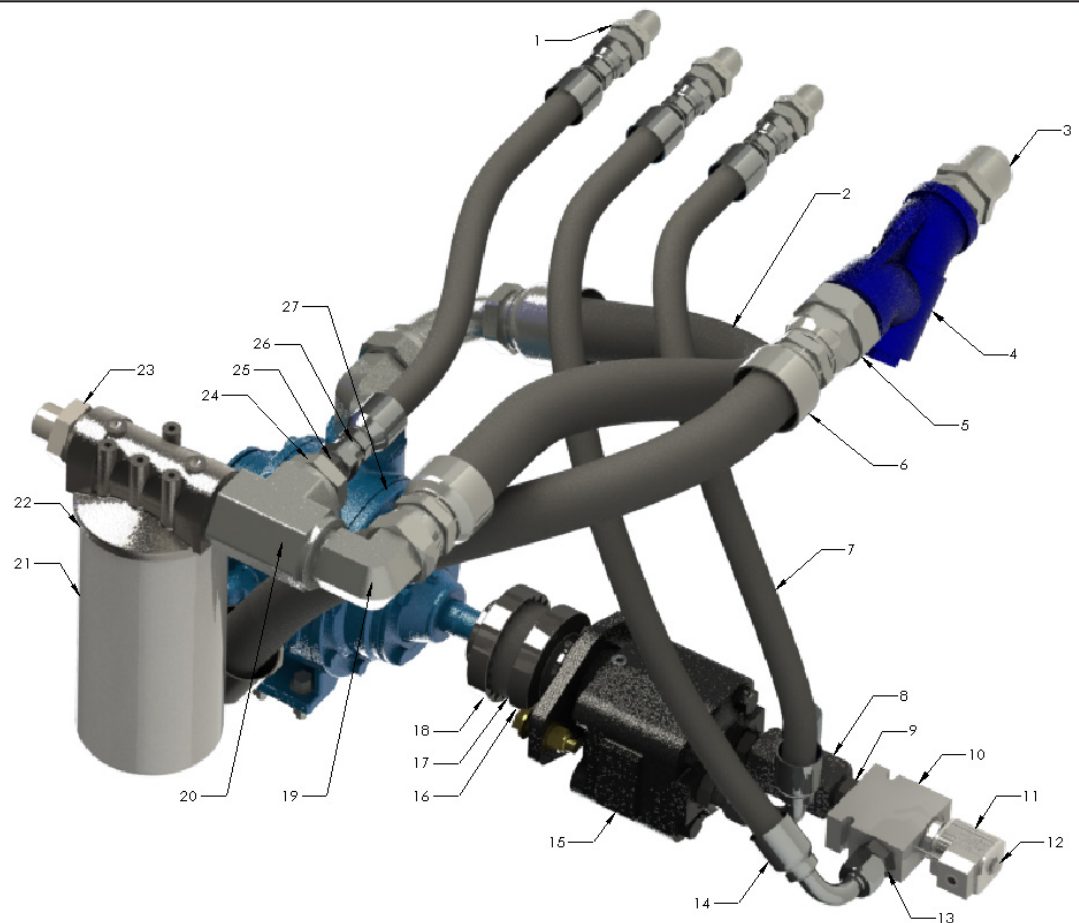
REF.	DESCRIPTION	QTY.	PART #
1	2" Brass Emergency Valve	1	20040920001
2	65 psi One Way Poppet Check Valve	1	20010700010
3	2" x 1 1/2" Black Pipe Bushing	1	----
4	Steel Fitting - Elbow MNPT x MJIC -24	1	18031866
5	1/4" Pushlock Tube x MNPT Elbow	1	17040970045
6	Clippard Pneumatic Actuator Assembly	1	----

HUSKY 515 DEF PUMP



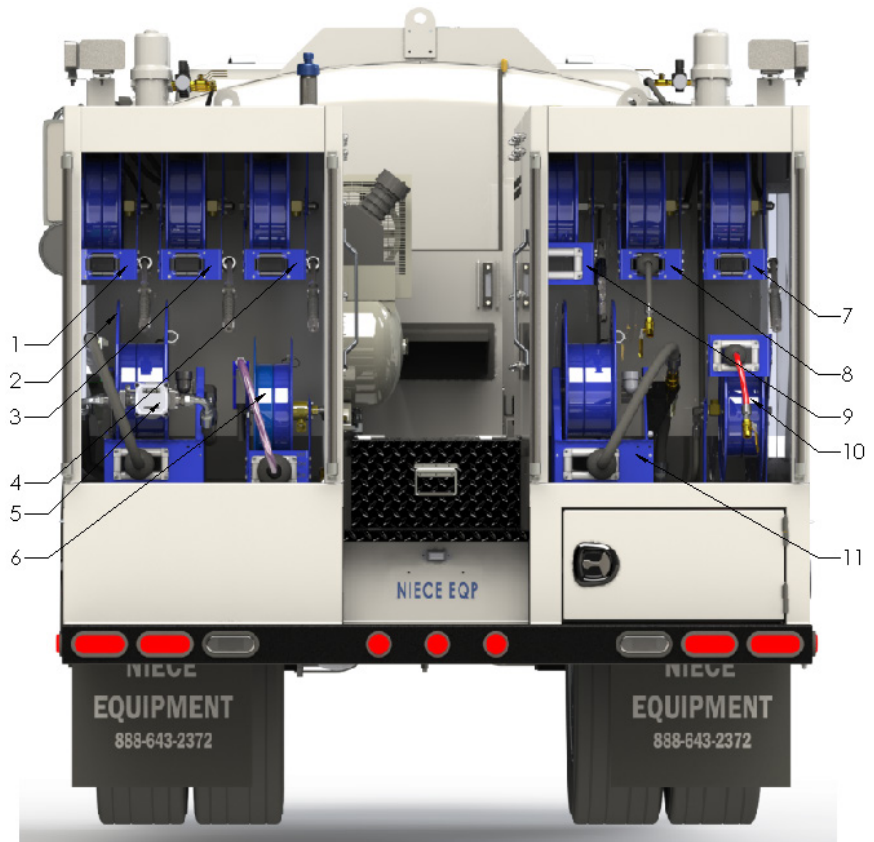
REF.	DESCRIPTION	QTY.	PART #
1	Husky 515 DEF Pump	1	40000850007
2	Steel MJIC x BSPP Elbow Fitting -12	2	14030810003
3	3/8" x 1/4" Brass Bushing	2	17040380000
4	1/4" Pushlock x MNPT Elbow	1	17040970045
5	Air Regulator Assembly	1	pg. 12
6	1/4" Brass Hex Nipple	1	18031665

DIESEL PUMP SYSTEM



DESCRIPTION	QTY.	PART	DESCRIPTION	QTY.	PART
1 Steel MJIC Bulkhead Fitting -12	3	18055509	15 Hydraulic Gear Motor	1	45000920000
2 Diesel Hose - Pump Outlet to Tee	1	30009500092	16 LoveJoy - S Flex 6JE Flange 1"	1	26020810002
3 Steel MJIC x MNPT Bulkhead Fitting -24	1	----	17 LoveJoy - S Flex 6JE Coupler	1	99000810011
4 1 1/2" Y-Strainer	1	----	18 LoveJoy - S Flex 6JE Flange 1 1/8"	1	26020810003
5 Steel MJIC x MNPT Fitting -24	1	18031825	19 Steel MJIC x MNPT Elbow Fitting -24	2	18031866
6 Diesel Hose - Y Strainer To Pump	1	30009500093	20 Steel MNPT x FNPT Run Tee -24	1	18057949
7 Hyd. Hose - Motor Return to Bulkhead	1	30009500077	21 1/2"-16 x 11" Diesel Filter Element	1	66000920000
8 Hydraulic Needle Valve Flow Control	1	20000950000	22 1/2" Aluminum Filter Housing	1	66020920001
9 Steel MORB x MNPT Fitting -12	1	14010950142	23 1/2" x 1" MNPT Adapter Fitting	1	----
10 Steel Hydraulic Valve Body	1	20000950002	24 1/2" x 3/4" Steel Hex Reducer	1	18030496
11 Hydraulic Valve Cartridge Coil	1	60000770006	25 Steel MJIC x MNPT Fitting -12	1	18031824
12 Hydraulic 2 Way Cartridge Valve	1	20000950001	26 Diesel Hose - Pressure Bypass Return	1	----
13 Steel MJIC x MORB Fitting -12	1	18031847	27 TX1.5 Blackmer Diesel Pump LH	1	40010920001
14 Hyd. Hose - Bulkhead to Valve Body	1	30009500076			

HOSE REELS AND FUEL METER



REF.	DESCRIPTION	PART #
1	Oil Product A Reel - Cox TMP-N-450 1/2" x 50'	35000840005
2	Diesel Reel - Cox CP-1064 1" x 50'	35000840018
3	Oil Product B Reel - Cox TMP-N-450 1/2" x 50'	35000840005
4	Oil Product C Reel - Cox TMP-N-450 1/2" x 50'	35000840005
5	GPI M530 Fuel Meter	21020920002
6	DEF Reel - Cox TMP-N-525 3/4" x 25'	35000840014
7	Oil Product D Reel - Cox TMP-N-450 1/2" x 50'	35000840005
8	Air Reel - Cox TSH-N-450 1/2" x 50'	35000840011
9	Grease Reel - Cox THP-N-350 3/8" x 50'	35000840007
10	Water Reel - Cox TSH-N-450 1/2" x 50'	35000840011
11	Oil Reclaim Reel - Cox CP-1064 1" x 50'	35000840019

BLACKMER FUEL PUMP

1. Change the fuel filter every 30,000 gallons.
2. Check the pump daily for improper operation such as: chattering, whining, leaking, overheating, running too fast or if it will not stop running.

FIREBALL 5:1 PRODUCT PUMP

Note: air supply to the 5:1 pump should not exceed 60 psi.

1. Add oil daily to the air lubricator. Air tool oil is best.
2. Drain water out of the air compressor daily.
3. Drain water out of the air dryer daily.
4. Do not let the product tanks go dry.
5. Do not run fuel through the pumps.

FIREBALL 50:1 PRODUCT PUMP

Note: Air supply to the 50:1 pump should not exceed 100 psi.

1. Add oil daily to the air lubricator. Air tool oil is best.
2. Drain water out of the air compressor daily.
3. Drain water out of the air dryer daily.
4. Do not let the grease barrel go dry.
5. Do not run fuel through the pumps.

HYDRAULIC RESERVOIR

1. Change the hydraulic filter once a month.
2. Change the hydraulic oil as needed.
3. Check the hydraulic reservoir daily for excessive heat.
4. Check the oil level in the hydraulic reservoir daily.
5. Check the hydraulic reservoir daily for leaks.

WILDEN 1" OIL RECLAIM PUMP

Note: Rocks, rags, dirt, metal, etc., will clog or even damage the waste oil pump.

1. Clean reel compartments and used filter drawer daily. Check for small rocks, rags, metal and large dirt.
2. Use the screen on the end of the suction hose reel to prevent dirt and other foreign objects from entering pump.
3. Drain the oil sumps daily. The plugs are located under the rear end of the truck.

BED AND TANK MOUNTS

1. Visually inspect the tank mount bolts daily as part of the DOT pre-trip inspection.
2. Inspect the bed and tank mounts weekly to make sure they have not come loose.
3. Check the tank springs to see if they are loose or have too much travel, up and down.
4. Check the torque values monthly for all bed and tank mounting bolts. See "Truck Hardware" section on page 5 for recommended torque values.

WARNING! It is imperative that all bed and tank mounting bolts are inspected regularly.

Note: first refer to the troubleshooting pages provided by each component's manufacturer.

ISSUE

The air compressor will not shut off.

SOLUTIONS

1. Check if the pressure gauge is exceeding 120 psi. If so, adjust the regulator to 120 psi.
2. Check if the electrical wiring to the compressor coil is still intact. Repair any damaged wiring.
3. If 1 and 2 do not work, replace the air regulator.

ISSUE

The air compressor will not run.

SOLUTIONS

1. Verify that the air compressor switch on the rear control panel is on.
2. Verify that the bed power switch is on inside the cab of the truck.
3. Check if air gauge on compressor has shut off at 120 psi.
4. Check the compressor coil with a voltmeter for 12V.
5. Check the compressor's oil level - verify compressor has not locked up.
6. Verify the hydraulic reservoir is not low on hydraulic oil.

ISSUE

The air compressor is blowing the top off the air dryer, or making the lubricator leak.

SOLUTIONS

1. Check if the regulator is set over 120 psi. If it is, adjust the compressor regulator to below 120 psi.
2. Verify all water has been drained out of the air compressor.
3. If air regulator will not adjust, replace the regulator.

Note: the air compressor must be drained of any water daily.

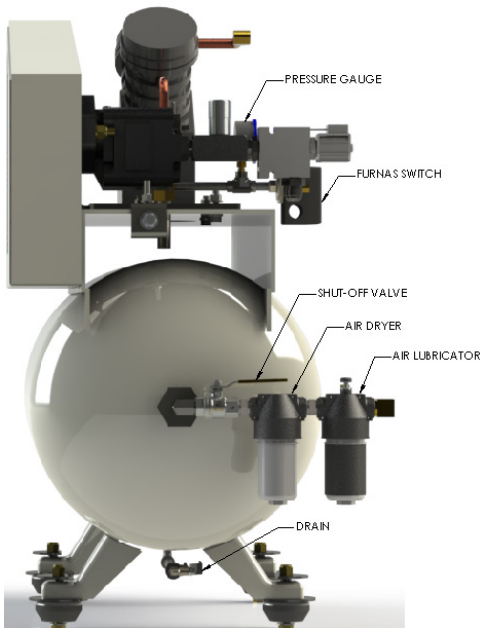


Fig. 1. Air Compressor Assembly

Note: first refer to the troubleshooting pages provided by each component's manufacturer.

ISSUE

The Fireball 5:1 product pump will not pump.

SOLUTIONS

1. Verify that all water has been drained out of the air compressor. Water will displace the lubricating oil in the pump motor. Drain any water out of the air compressor and air dryer daily. (Fig. 1)
2. Check the oil level in the air lubricator. Add air tool oil if needed. The pneumatic pump will burn up without oil.
3. Check the pump regulator air pressure. The air pressure should never exceed 60 psi. (Fig. 2)
4. Verify that the product tank has oil. If not, shut the air supply ball valve off to the pump and fill tank.

ISSUE

The Fireball 5:1 will not stop pumping.

SOLUTIONS

1. Check if the product tank is out of oil. If so, shut the product tank air supply ball valve (Fig. 2) off and refill the product tank. Reopen air supply ball valve.
2. Check if the supply nozzle is engaged.
3. Remove the product pump and check if the drop tube has fallen off. If so, reattach the drop tube.

ISSUE

The 50:1 product pump will not pump.

SOLUTIONS

1. Check that the follower plate is in the grease barrel. If it is not, your pump may develop air pockets in the barrel.
2. Verify that all water has been drained out of the air compressor. Water will displace the lubricating oil in the pump motor. Drain any water out of the air compressor and air dryer daily.
3. Check the oil level in the air lubricator. Add air tool oil if needed. The pneumatic pump will burn up without oil.
4. Check the pump regulator air pressure. The air pressure should never exceed 100 psi. (Fig. 2)
5. Verify that the grease barrel has grease. If not, shut off the grease control switch on the rear control panel.

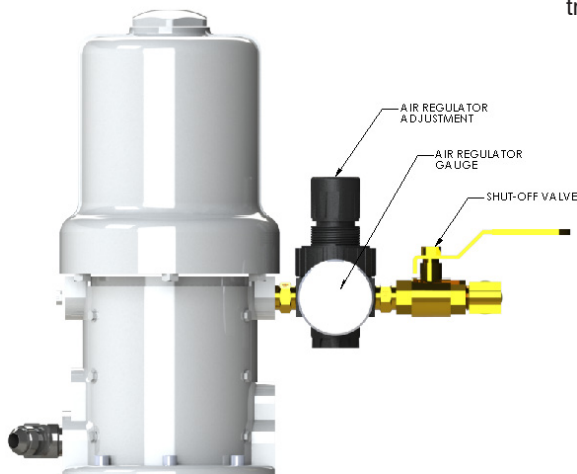


Fig. 2. FireBall Assembly

Note: first refer to the troubleshooting pages provided by each component's manufacturer.

ISSUE

The Graco 307 water pump will not pump.

SOLUTIONS

1. Check if the control switch will exhaust when it is operated. If the switch will not exhaust replace the switch and drain water out of the air compressor tank.
2. Check the control switch for air leaks. Repair any leaks.
3. Remove one line from the control switch and inspect it for signs for water. If there is water in the line, drain the water out of the air compressor tank and replace the switch.
4. Blow air through all the lines that supply, or are supplied by, the water pump to dislodge any clogs.

ISSUE

The Wilden oil reclaim pump will not suck or will not discharge.

SOLUTIONS

1. Check if the control switch will exhaust when operated. If the switch will not exhaust, replace the switch and drain the water out of the air compressor.
2. Check the control switch for air leaks. Repair any leaks.
3. Remove one line from the control switch and inspect it for signs of water. If there is water in the line, drain the water out of the air compressor tank and replace the switch.
4. Open the top and bottom supply housings to check for foreign objects. Remove any clogs. Reinstall the seals and orange balls.
5. Open the diaphragm housing and inspect both diaphragms for holes and metal debris. Replace damaged diaphragms.
6. Blow air through all the lines that supply, or that are supplied by , the oil reclaim pump to dislodge any clogs



Fig. 3. Rear Control Panel

Note: first refer to the troubleshooting pages provided by each component's manufacturer.

ISSUE

The fuel pump will not pump or is surging off and on.

WARNING! Do not operate the truck with the Fuel Pressure Switch disconnected!

SOLUTIONS

1. Check if either of the two Emergency Shut Off Switches (Fig. 3,4) are in the closed position.
2. Check both of the Emergency Shut Off Switches for leaks, and if they exhaust when disengaged.
3. Verify that the air supply line (Fig. 5 - 3) is attached to the air cylinder (Fig. 5 - 2) on the Emergency Valve (Fig. 5 - 1) under the fuel tank.
4. Confirm that the fuel tank has fuel.



Fig. 4. Street Side Emergency Shut-Off Switch

Note: there are two Emergency Shut Off Switches, one on the driver side fender (Fig. 4 - 1), and the other on the rear control panel (Fig. 3 - 1).

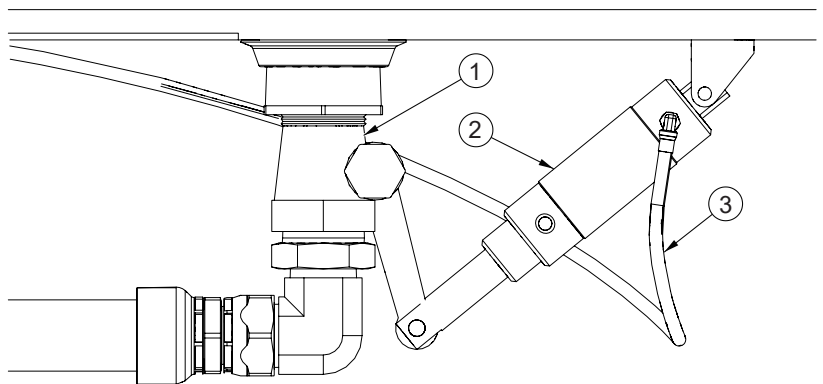


Fig. 5. Fuel Tank Underside - Emergency Valve Assembly

Note: first refer to the troubleshooting pages provided by each component's manufacturer.

ISSUE

The fuel pump's hydraulic motor comes on but will not turn the fuel pump.

SOLUTIONS

1. Engage the fuel pump and confirm that the rubber gear coupling (Fig. 6) between the fuel pump and the hydraulic motor is rotating. If the coupler is broken, check if the fuel pump has locked up. If the pump rotates freely replace the coupler. If not, replace the pump.
2. Verify that the set screws on the metal couplers that house the rubber gear coupler are not loose.

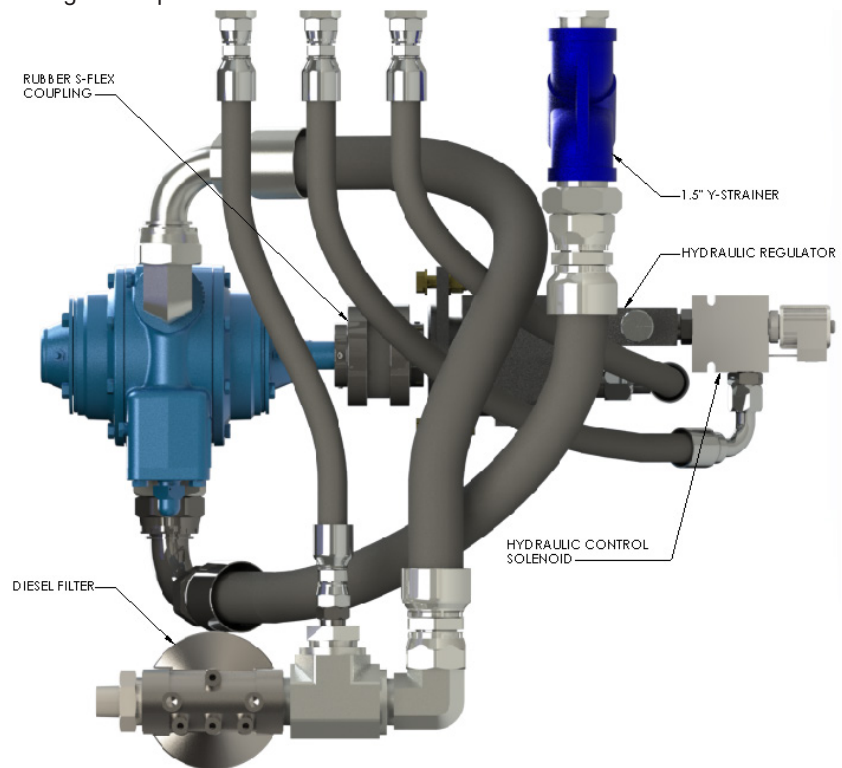


Fig. 6. Fuel Pump Hatch Compartment

ISSUE

The fuel pump surges when the air compressor comes on.

SOLUTIONS

1. Check the hydraulic reservoir to see if it is low. If not, contact our Service Manager at Niece Equipment.
2. Verify that the operator has not adjusted the hydraulic flow on the fuel pump or air compressor.

OEM PART MANUALS INCLUDED

1. INGERSOLL RAND AIR COMPRESSOR
2. MUNCIE PTO
3. MUNCIE PTO EXTENSION SHAFT
4. BLACKMER TRUCK PUMP
5. WILDEN 1" DIAPHRAGM PUMP
6. HUSKY 307 DIAPHRAGM PUMP
7. HUSKY 515 DIAPHRAGM PUMP
8. 5:1 FIRE-BALL 300 PUMP
9. 50:1 FIRE-BALL 300 PUMP
10. SDV15 AND XDV20 DISPENSE VALVE
11. FOUR WAY EVAC VALVE
12. P1/PD PARKER PISTON PUMP
13. PARKER 05R REGULATOR
14. PARKER 06F AIR FILTER
15. PARKER 16L MICRO-MIST LUBRICATOR
16. CP-1064 1" DIESEL/OIL REEL
17. TSH-N-450 1/2" AIR/WATER REEL
18. TMP-N-525 3/4" DEF REEL
19. TMP-N-450 1/2" OIL REEL
20. THP-N-350 3/8" GREASE REEL
21. DOVER SHUTTER DOORS
22. GPI M30 DIESEL METER



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