

**For Service Assistance
Phone Toll Free 1-800-433-0708**



Pro 30 Plus Diesel Caddy

Model FC-P30A-UL-D
Operator's Manual



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TROUBLESHOOTING

CONDITION	POSSIBLE CAUSE	SOLUTION
Poor flow	Filter is incorrect size for type of fuel	Replace with correct size filter 1 micron for E85. 10 micron for gasoline, 30 micron for diesel/kerosene
	Filter is clogged	Replace filter
	Low air pressure	Check incoming supply air pressure. Check regulator setting and adjust to 40 - 50 psi. Check for tube connection and fittings.
Pump is difficult to prime	Hose not submerged in fuel when trying to prime	Check hose and reposition hose in vehicle fuel tank
	Loose filter	Inspect and tighten
	Leak at fittings or pump mount	Check fittings and tighten as required.
	Leak in hose fittings	Check fittings and tighten
	Damaged, kinked, or cracked hose	Replace with hose assembly
Fuel level gauge does not work	Float positioned diagonally across tank	Remove red plastic nut and indicator cap. Remove float mechanism and position so that float is position across tank. Replace cap and nut.
Ground wire is damaged or will not clamp	Damaged	Replace

GENERAL PRODUCT DESCRIPTION

The Diesel Caddy is designed and approved to safely transfer fuel to and from a vehicle. It may be used to safely store fuel during vehicle service. It is approved for use with unleaded gasoline, diesel, and kerosene fuels.

The FC-P30A comes standard with a 10 micron filter for use with gasoline. Other filters are available for other fuels. Select the correct filter for the intended application. Proper filter selection is critical to achieving maximum pumping efficiency and to properly remove contaminants from the fuel.

Refer to the table shown in REPLACEMENT PARTS AND ACCESSORIES if you intend to pump different fuels.

Fuel Type	Filter Type
Unleaded Gasoline	10 micron
Diesel and Kerosene	30 micron

ASSEMBLY

Tools and Supplies (not included):

- TPFPE tape
- 1-1/16 inch open end wrench
- 1/4" NTP Quick-connect fitting to connect to shop air.

1. Wrap 2 inch NPT thread on fill tube 4-6 wraps with PTFE tape wrapping clockwise.
2. Install quick-connect air fitting into air throttle valve.
3. Assemble the discharge hose threading the 3/4 NPT fitting into 90° fitting located on the front of the valve assembly. Tighten with wrench.
4. Coil and hang the discharge hose on the hose hanger bracket on the side of the tank.
5. Thread the 2 inch fill pipe and cap assembly onto the fitting in the center of the tank. Tighten by hand until secure.
6. Remove tape from top of fuel gauge and install plastic indicator cap and plastic nut onto float assembly. Align indicator mark to point diagonally across tank so that float is free to move full range. Tighten nut by hand to secure cap and fuel gage.

NOTE: The regulator is factory preset to 40 psi (2.75 BAR). Adjust if desired to increase or decrease flow rate. Do not set regulator above 50 psi (3.45 BAR). This will not increase flow and result in premature wear of air motor and/or pump.

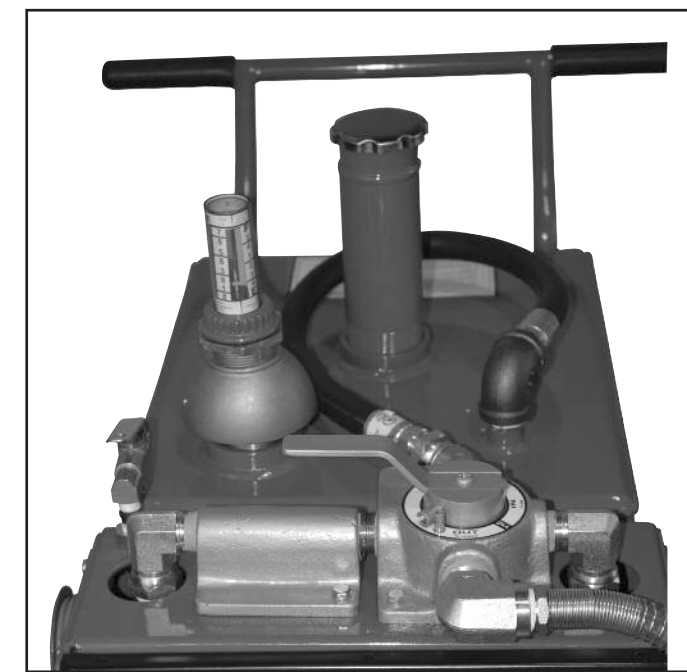


Fig. 1

OPERATION

PUMPING FROM VEHICLE TO DIESEL CADDY

1. Position the Diesel Caddy near the vehicle and lock the wheel brakes.
2. Attach the ground wire clamp to the vehicle to a known ground surface.
3. Place the hose inside the fill pipe of the vehicle fuel tank.
4. Align valve handle so that the point is to the "IN" to tank position. See Figure 2.
5. Connect shop air supply. **WARNING: AIR SUPPLY MUST NOT EXCEED 120 PSI.**
6. Squeeze the air throttle valve to operate pump. Closely monitor flow to prevent overfilling.
7. Release valve when desired amount is pumped.
8. Uncoil and raise the hose and briefly run the pump to return any remaining fuel in the system to the tank.
9. Coil and hang the hose on the hanger bracket.
10. Turn valve handle to the "OFF" position.

Fig. 2

OPERATION

PUMPING FROM DIESEL CADDY TO VEHICLE

1. Position the Diesel Caddy near the vehicle and lock the wheel brakes.
2. Attach the ground wire clamp to the vehicle to a known ground surface.
3. Place the hose inside the fill pipe of the vehicle fuel tank.
4. Align valve handle so that the point is position to the "OUT" to vehicle position. (See Fig. 3)
5. Connect shop air supply. **WARNING: AIR SUPPLY MUST NOT EXCEED 120 PSI.**
6. Squeeze the air throttle valve to operate pump. Closely monitor flow to prevent overfilling or spilling.
7. Release valve when desired amount is pumped.
8. Turn the valve to the "IN" to tank position.
9. Uncoil and raise the hose and briefly run the pump to return any remaining fuel in the system to the tank.
10. Coil and hang the hose on the hanger bracket.
11. Turn valve handle to the "OFF" position.

STORAGE

1. Disconnect supply air when not in use.
2. Always place the valve in the "OFF" position when not in use.
3. Wrap and store the hose on the provided hose wrap bracket.
4. Wrap and store the ground wire on the provided wire wrap bracket.
5. Locate the park the Diesel Caddy on a flat level surface, away from any potential ignition sources, away from any potential hazards that may impact or damage the Diesel Caddy.
6. Lock wheel brakes.
7. Be certain that the fuel gage vent dome, indicator cap, fill tube and fill tube cap are all present and secure. Replace any missing parts immediately.

PRODUCT SPECIFICATIONS

Weight (empty):	154 lbs (69.5 kgs.)
Capacity:	30 gal (114 L)
Length:	31.25" (76 cm)
Width:	25.0" (88.9 cm)
Height:	39.50" (100.5 cm)
Approx. Flow:	7 gpm (26 L pm) @ 40 PSI

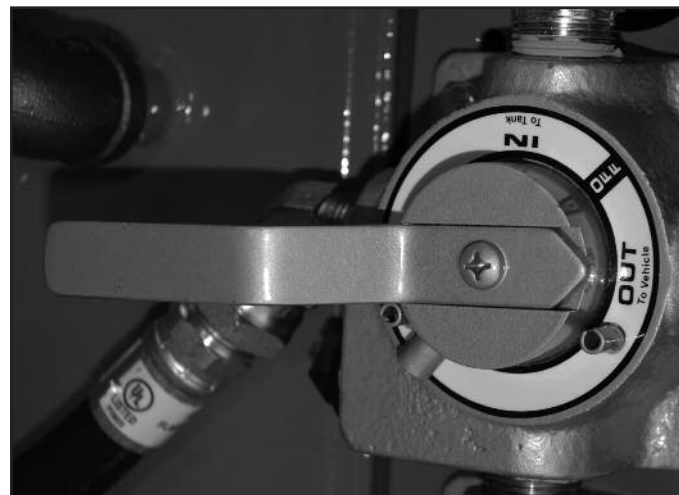
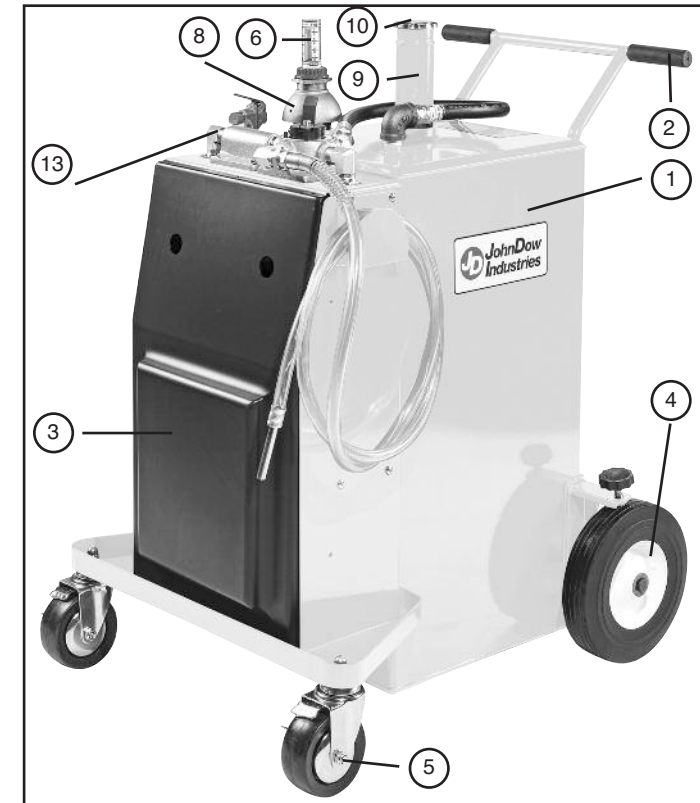


Fig. 3

Replacement Parts & Accessories

REPLACEMENT PARTS:

Item	Description	Qty	Part No.
1	Tank	1	—
2	Handle	1	30GC-02C
3	Cover	1	30GC-49-UL
4	Wheel (10")	2	30GC-UL
5	Caster (5")	2	30GC-48
6	Fuel Gage (cap/nut)	1	30GC-FGK
7	Fuel Gage (complete)	1	FC-P30-FG
8	Vent	1	30GC-08-VENT
9	Fill Tube	1	30GC-09-01
10	Fill Cap	1	30GC-09-02
11	Hose Assembly	1	80-593-NI
12	Ground Strap	1	80-572
13	Valve/Filter Support Asm.	1	FC-P30-VALVE
14	ARO Diaphragm Pump (UL Listed)	1	670042
15	Air Throttle Valve	1	FC-AT
16	Filter/Regulator	1	P391246000
17	Contents Decal Set	1	25GC-04
18	Hose Bracket	1	30GC-46
19	Ground Wire Bracket	1	30GC-47
20	Hose Kit (3 Hoses)	1	FC-P30A-HK



REPLACEMENT FILTERS

Fuel Type	Filter Type	Part No.
Unleaded Gasoline	10 micron	10M-FF
Diesel/Kerosene	30 micron	30M-FF

Note: Coat the O-ring seal with oil or grease before assembly. Hand tighten by turning approximately 1/2 turn after rubber seal contacts the filter support. Do not over-tighten.

