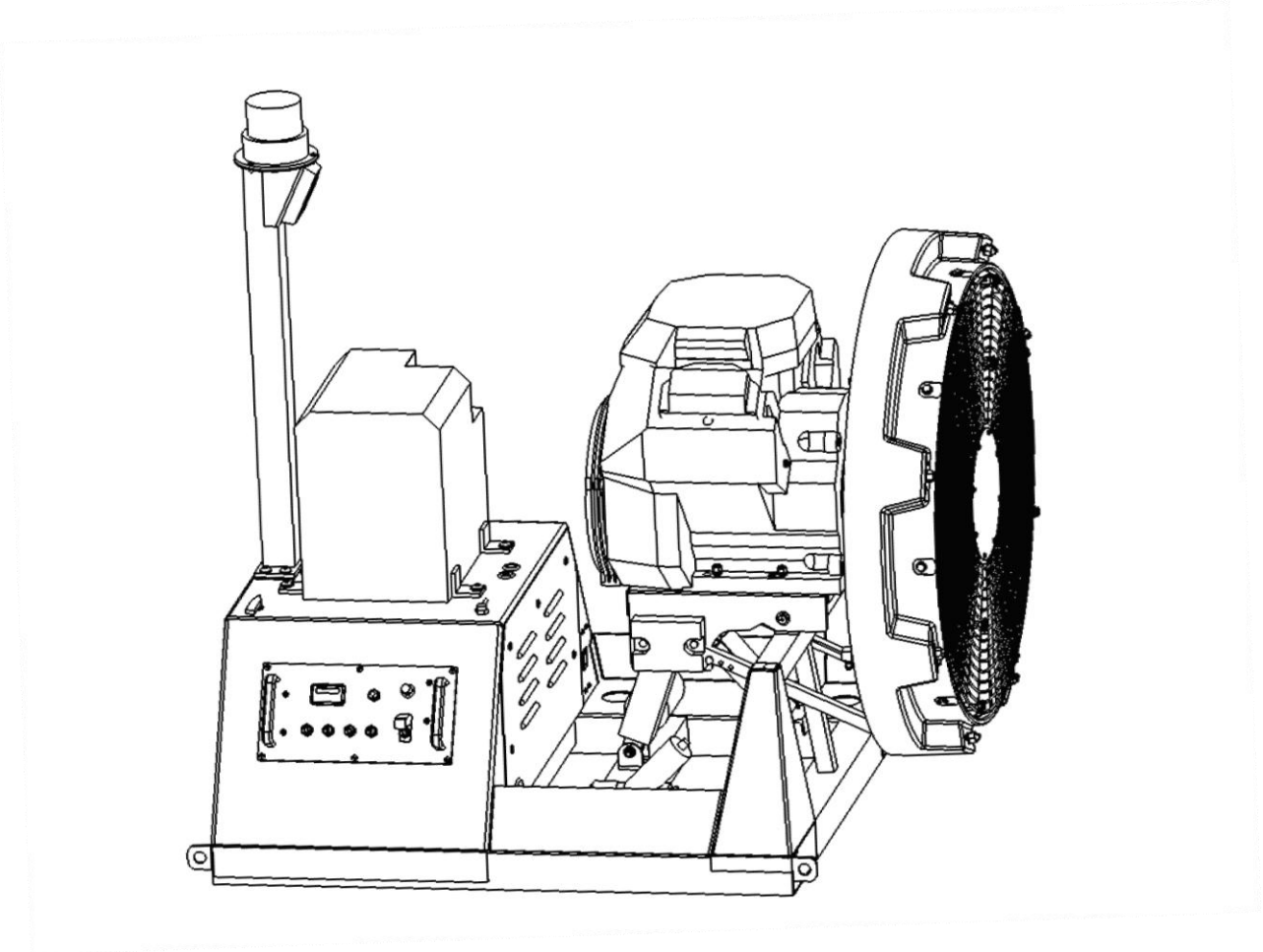


RAMFAN VX700 OWNER'S MANUAL



EURAMCO SAFETY, INC.

2746 Via Orange Way, Spring Valley, CA 91978 Ph. 800-472-6326 Fax. 619-670-7345
www.euramcosafety.com

VX700 OWNER'S MANUAL

Preliminary Copy

Table of Contents

1.0	Preface
2.0	Specifications and Features
3.0	PPV Application
4.0	Safety Precautions
5.0	VX700 Uncrating When Trailer Mounted
6.0	Vehicle Registration
7.0	Preparation for Use When Supplied with Trailer
7.1	Optional Trailer Preparation
7.2	VX700 Preparation for Use
8.0	Operation
8.1	VX700 Control Features
8.1.1	Control Panel
8.1.2	Battery Compartment
8.1.3	Motor
8.1.4	Fan
8.2	Run Procedure
8.2.1	Start-Up
8.2.2	Shut-Down
9.0	Troubleshooting
10.0	Maintenance
11.0	Spare Parts
12.0	Options
13.0	Supplements
13.1	VX700 Outline Drawing
13.2	VX700 Installation Layout, DWG-GK5005T
13.3	VX700 Operation Guide Card
13.4	Schematic
13.5	Water Tubing Layout, DWG-GK5005W
13.6	Gasoline & Vapor Recovery Tubing Layout, DWG-GK5005F
13.7	Honda GX630 Owner's Manual
13.8	Battery Status Indicator



1.0 Preface

Thank you for purchasing the VX700 28" Positive Pressure Ventilation, (PPV), Fan built by Euramco Safety, Inc. The VX700 28" PPV Fan is the latest product, designed for numerous large PPV and PPA applications.

For more than 30 years Euramco Safety Worldwide has been on the cutting edge of industrial, fire, and marine ventilation products. Each and every one of our smoke ejectors, PPV fans, blowers, and accessories represent the finest technologies available. Every product is constructed to demanding and exact specifications for quality, performance, and reliability.

When human life depends on having a fan that can deliver clear, safe, and cool air, you have only one choice you can trust: **Euramco Safety**.

Explore our online catalog at www.euramcosafety.com and discover for yourself exactly how Euramco can make a difference in the field!

Thank you again for purchasing the VX700. We hope that your investment in Mobile PowerStream™ Technology will continue to serve you well in the years and decades to come.



2.0 Specifications and Features

Please note that the VX700 PPV is built around a skid that makes it easy to mount onto a trailer, truck bed, or other portable or fixed solutions.

VX700 28" / 71 CM PPV FAN

- **Very High Volume Gasoline Powered PPV Fan**
- Designed for highrises, malls, apartments, warehouses and other large-scale structures
- Precision balanced impeller, featuring a cast aluminum hub and nylon blades.
- PowerStream™ Ventilation allows long range ventilation from setbacks of 20'-32' / 6-9.7m
- Skid mount design for trailer or truck vehicle
- Infinitely variable linear actuator control of fan tilt angle, -3° to +15° relative to the mounting surface
- Powerful Honda V-Twin GX630 engine
 - Electric start
 - 12VDC system with 17 amp alternator
 - Oil Alert Protections
 - Hour Meter records run time to support maintenance schedules
 - (optional) Exhaust Diverter
 - (optional) CAT Exhaust Converter
- 4 Gallon EPA & CARB certifies fuel tank provides 2.5 hours of run time
- Built-in 8-nozzle water mister system
- Overhead LED equipment light
- Optional customized trailer design to transport the VX700 Fan
- Battery Indicator provides status of battery charge level
- AC Powered Battery Charger
- Strobing Beacon Light to alert traffic and pedestrians

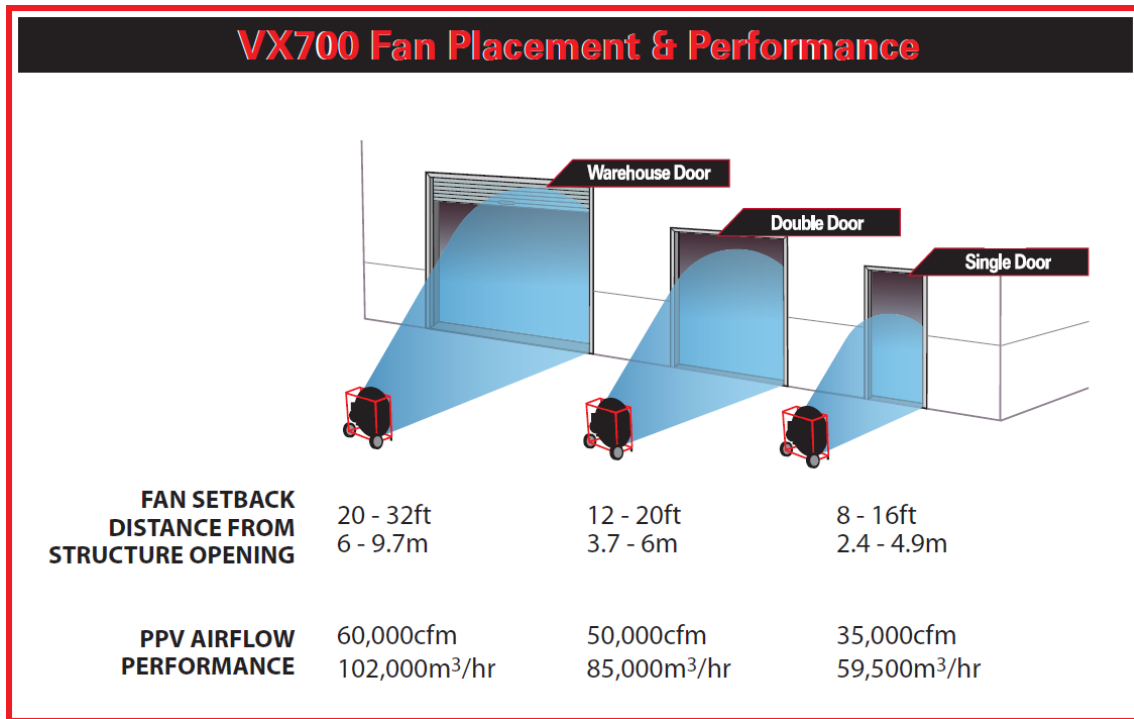
3.0 PPV Application

Positive Pressure Ventilation is the process by which firefighters raise the static pressure inside a building to force smoke, fumes, or chemically contaminated air out of a structure to allow fire fighters to complete salvage and overhaul operations in a less hazardous atmosphere.

PPV fan applications require that a building have an entrance and an exit to support air flow through a structure to purge the structure of smoke and fumes. The VX700 PPV Fan puts out a cone of air to seal and pressurize the structure at the entrance. If the entrance is not sealed by the cone of air then some air will leak out around the door and the air pressure will drop through the structure, increasing the amount of time need to purge the structure of smoke and fumes.

To achieve the proper air seal with a PPV fan and to maintain maximum pressure through the structure the VX700 PPV Fan should be set back away from the entrance based on the size of the entrance as illustrated below.

Please note that the CFM performance numbers printed below are based on an exit door roughly the size of a 9' X 12' warehouse door.





4.0 Safety Precautions

- Wear eye protection.
- Wear ear protection.
- Ensure vehicle brake is on.
- Do not spill gasoline on VX700 Fan.
- Do not overfill the fuel tank.
- Do not smoke around the fan.
- Do not exceed 125 psi pressure at the water inlet port.
- Keep debris, paper, objects, etc. away from intake of fan.
- Do not stand directly in front of the fan.
- Operate the VX700 Fan on a level surface whenever possible.
- Do not exceed the 20° motor tilt, which is the combination of vehicle and motor tilt angles. The motor's oil alert switch will stop the motor, should it exceed the 20° tilt angle.
- Always check for oil and gasoline leaks before starting motor.
- Shut the VX700 Fan down if you hear unusual noises.
- Turn Off the Emergency OFF switch when the VX700 is not in use.
- When servicing the battery the negative cable is the first cable removed and the last cable installed.
- Avoid using fuels that are high in methanol or ethanol additives.
- In case of an emergency use the Emergency OFF Switch to kill power to the VX700.



5.0 VX700 Uncrating When Trailer Mounted

1. Remove stretch-wrap and other packing materials from the VX700 Fan.
2. Remove tension straps between the VX700 trailer and shipping palette.
3. Remove two (2) lag screws that anchor the trailer tongue to the palette.
4. Raise the trailer tongue and drop the tongue wheel down into a vertical position to support the trailer.
5. Swing the tongue extension in line with the trailer and secure the tongue extension with the clevis pin.
7. Set the emergency brake to the "ON" position. (Pull straight-up, over, and down until hand brake locks down.
6. Solicit the aid of a fellow employee to ensure the trailer does not roll off the palette.
7. Remove wheel chocks and ramps.
8. Attach ramps to the fan side of the palette.
9. Release hand brake and carefully roll the VX700 trailer off of the palette.
10. Set the hand brake.
11. Install light pole.

6.0 Vehicle Registration

The Vehicle Trailer Option if purchased needs to be registered with the motor vehicle agency in your state. We will provide documentation and temporary registration upon delivery of vehicle that allows limited operation.

Registration requirements vary from state to state and country to country. If purchased for use outside of California, please consult the appropriate regulations for your location for the steps necessary to secure permanent registration for street legal operation.



7.0 Preparation for Use When Supplied with Trailer

7.1 Optional Trailer Preparation

1. Check the trailer hand brake for proper operation. The trailer should roll freely when the brake is released. The trailer should not roll when the hand brake is engaged.
2. If the trailer moves while the hand brake is applied screw the hand cap on the brake handle clockwise a few turns to tighten brakes until the trailer can't be moved when the brake is engaged.
3. Check tire pressure to ensure tires are inflated to 45 psi.

7.2 VX700 Preparation for Use

1. Position the VX700 on a level surface.
2. Ensure the Emergency OFF Switch on the control panel is in the OFF (down) position and remove the motor ignition key.
3. Remove the inside access panel, (between motor and battery compartment), to gain access to the battery compartment.
4. Clip the ty-wrap that secures the negative battery cable to nearby fuel and water hoses.
5. Burnish the negative battery terminal and the battery cable clamp with a battery post cleaner.
6. Attach the negative battery cable clamp to the negative terminal of the battery and tighten. .
7. Install the light post. Screws and washers can be found in a bag attached to the light post. The wiring bundles of the control panel and the light post will need to be connected inside of the battery compartment.
8. Reinstall the access panel
9. Fill the Honda motor crankcase with oil as described in the HONDA GX630 owner's manual. Use extreme caution to prevent oil from overflowing the port on top of the motor.
10. Add gasoline to the fuel tank. Avoid using fuels that are high in methanol or ethanol additives. If used methanol fuels must contain cosolvents and corrosion inhibitors.

8.0 Operation

8.1 VX700 Control Features

Refer to Figure 1 on next page for location of VX700 PPV Fan Features

8.1.1 Control Panel

Standing behind the fan the Control Panel is mounted on the right-hand side of the Battery Compartment. The Control Panel contains the features enumerated in this section. See also Figure 2, VX700 Control Panel.

1. Emergency Off Switch

This is the most important switch. Learn its location on the Control Panel and toggle the Emergency OFF switch ON and OFF a couple of times to get the feel for how it works. To turn power ON to the VX700 raise the red cap to the up position until it locks in place and then toggle the switch handle up to the ON position. To turn the power OFF just slap the red switch cover down. This action will kill power to all Control Panel and motor functions.

Please note that the Emergency OFF switch should be in the OFF position when the VX700 is not in use. Failure to do so will eventually discharge the battery.

2. Fan Tilt Switch

The Fan Tilt Switch energizes a linear actuator below the fan to control the tilt angle of the fan. The tilt angle should be adjusted to drive the airflow through the center of the target opening in a building or scene. The fan has a tilt range from -3° to $+15^{\circ}$ relative to the horizon / plane of the VX700 base.

To operate the Fan Tilt actuator toggle the Fan Tilt Switch up to tilt the fan up, or toggle the Fan Tilt Switch down to tilt the fan down.

The Fan Tilt actuator has built-in limit switches that prevent the fan from tilting more than the -5° to $+18^{\circ}$ range. If the fan does not respond to an UP command the fan is at the upper $+18^{\circ}$ limit. If the fan does not respond to the Down command then the fan is at the lower -5° limit.

Note: The Honda GX630 motor has an oil level alert function that kill the motor when the motor is tilted more than 20° . The combined tilt of the vehicle plus the tilt of the fan must not exceed 20° .

3. Scene Light Switch

The Scene Light is located on top of an extension arm mounted to the top of the Battery Compartment. The Scene Light Switch activates the 13 Watt LED light to illuminate the VX700 for nighttime operation.

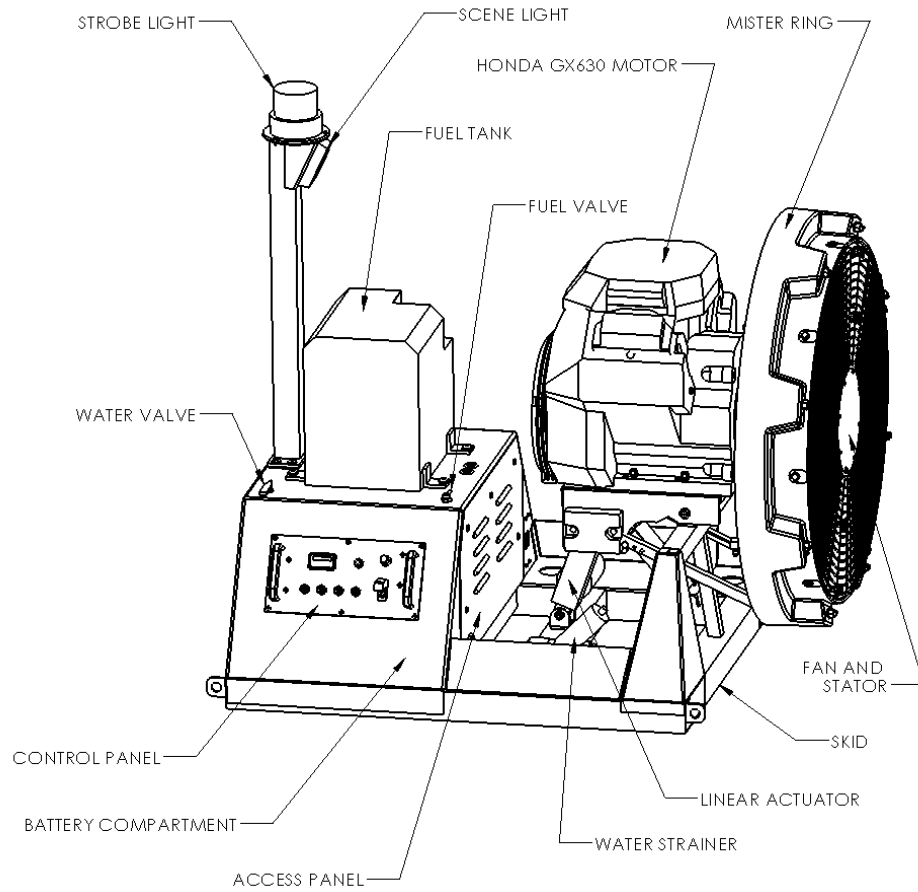


Figure 1, VX700 PPV Fan Features



Figure 2, VX700 Control Panel

8.0 Operation

8.1 VX700 Control Features

8.1.1 Control Panel, (Continued)

4. Panel Light Switch

The Panel Light is located in the upper right-hand corner of the Control Panel. The Panel Light Switch turns this light on to illuminate the location of the Emergency OFF switch and other controls for nighttime operation.

5. Battery Status Indicator

The Battery Status Indicator provides a relative indication of the battery charge level in the form of an LED bar graph. The LED bar to the far right-hand side of the Battery Status Indicator lights when the battery is fully charged. The LED bar to the far left-hand side of the Battery Status Indicator lights when the battery is down to about 20% charge level.

The Battery Status Indicator is always connected to and monitoring the battery charge level. The LED portion of the bar graph is turned ON & OFF with the action of the Emergency OFF / (ON) switch to save battery power when not in use.

6. Circuit Breaker

The Circuit Breaker protects the Control Panel functions from a possible over load condition caused by pinched wires or mis-use. Should the Circuit Breaker trip try to determine the cause before resetting the Circuit Breaker. The Circuit Breaker is reset by pushing the white button down.

7. Beacon

The beacon light is located on top of an extension arm mounted to the top of the Battery Compartment. The Beacon switch activates strobing amber warning light to caution foot and automotive traffic.



8.1 VX700 Control Features, (Continued)

8.1.2. Battery Compartment

1. Fuel Tank

The Fuel Tanks sits on top of the Battery Compartment and hold about 4 gallons of gasoline. This is roughly equivalent to about 2.5 hours of run time.

2. Fuel Valve

The Fuel Valve is located on top of the Battery Compartment just above the Control Panel and to the right.

The Honda GX630 V-Twin motor is equipped with a fuel pump. The Fuel Valve is installed in line between the Fuel Tank and the motor. The engine will not start unless the Fuel Valve is turned on.

3. Water Valve

The VX700 is equipped with an annular array of eight (8) mister nozzles in support of PPA and cooling applications. Water for the misters is supplied externally from a fire truck or other water source and connecting to the fan with a 1" NPSH (or optional 1" BSP) hose fitting.

Note: The pressure of the water source must be restricted to a maximum of 125 psi.

A water valve installed in series between the water input connection and the VX700 misters is located above the control panel and to the left. A water source must be connected to the VX700 and the water valve must be turned ON to activate the mister nozzles.

4. Battery Charger

A battery charger has been added to the VX700 fan design to keep the battery at full charge between deployments.

The battery charger is rated to provide a 3 amp charge rate and will automatically diminish to a trickle charge / maintenance level.

The battery charger is located on the battery compartment wall; facing the motor.

The VX700 is supplied with an IEC 60320 power cord. Connect the IEC 60320 end of the cord to the VX700 and the other end to an AC power source to charge. The charger will accept an input voltage between 85 VAC and 265 VAC.

8.0 Operation

8.1 VX700 Control Features, (Continued)

8.1.3. Motor

1. Honda GX630 V-Twin Motor

The VX700 is built around a Honda GX630 23HP V-Twin gasoline powered motor. Motor controls panel include a choke, throttle lever, a keyed ignition switch, hour meter, and oil alert feature described below. All the motor controls and alerts are conveniently located on a motor control panel attached to the motor. See Figure 3, Honda GX630 Motor Control Panel.

Please read the Honda GX630 Owner's Manual to become thoroughly familiar with motor preparation, maintenance, and operation before use.

2. Choke

The Choke knob facilitates cold motor starting.



Figure 3, Honda GX630 Motor Control Panel

8.0 Operation

8.1 VX700 Control Features, (Continued)

8.1.3. Motor

3. Throttle

The Throttle level controls the speed / RPM of the motor / fan blade assembly.

4. Ignition Switch

The keyed ignition switch has three (3) functions: 1.) Turn motor OFF, 2.) Start motor, and 3) Motor Run.

Some Ignition Switch functions are wired to the VX700 Control Panel to provide enable motor and kill motor operation for remote safety control considerations.

Two (2) ignition keys are provided with each VX700.

5. Hour Meter

The hour meter records and displays total motor run time. This cumulative hour reading is intended to be use in support of recommended maintenance schedules .

6. Oil Alert

The Oil Alert feature kills engine operation should the oil level in the crankcase drop below recommended levels. An LED light on the motor control panel provides indication when engine failed as a result of low oil level.

A low oil condition also can be created with excessive motor tilt. The combine tilt of both vehicle and motor must not exceed 20°.

8.1.4 Fan

1. Impeller

The Impeller is a 28", seven blade, lightweight, state-of-the-art design. As used on the VX700, the Impeller can provide as much as 60,000 CFM for a PPV applications at a thrust of 55 lbs of force.



8.0 Operation

8.1 VX700 Control Features, (Continued)

8.1.4 Fan

2. Stator

The Stator is attached to the backside of the front finger guard. The purpose of the Stator is to convert the radial dispersion of air to a narrow axial beam of air. The stator creates a **PowerStream™** of air that allows the VX700 to be setback 8 to 30 feet from the doorway of a building being exhausted of smoke without losing fan efficiency.

The greater setback distance un-clutters the entrance of the build to allow plenty of room for firefighters and equipment to move in and out of the building without tripping over a PPV fan.

3. Misting Ring

The VX700 is equipped with an 8 nozzle Misting Ring built into the shroud cover of the fan. The standard issue nozzle set provides 1.9 gallons of water per minute at a water supply pressure of 100 psi. Other nozzle options are available to supply a finer mist at a lesser flow rate. Do not exceed 125 psi (8.6 Bar) inlet pressure during operation of mister.

4. Water Strainer

The water strainer is located in front of the battery compartment, and next to the motor. The water strainer has a removable 40 mesh screen, to protect the nozzles in the Misting Ring and reduce clogging. The screen may be removed and rinsed clean of debris. Timing between rinses will vary with water conditions, and it is recommended to rinse the screen between each extended operation of the mister.



8.0 Operation

8.2 Run Procedure

8.2.1 Start-Up

1. Read the VX700 Owner's Manual completely before starting fan.
2. Wear both eye and ear protection.
3. Do checks as indicated in Preparation for Use, section described above.
4. Position the VX700 Fan on a level surface.
Note: Oil Alert feature will shut the motor down if engine is tip or leaning in excess of 20 degrees.
5. Position optional trailer or other vehicle the VX700 is mounted to for the desired set-back distance, typically between 20 to 30 feet for the VX700.
6. Position optional trailer or other vehicle to point the VX700 Fan in the desired direction towards the opening in a building.
7. Set hand brake on optional trailer or vehicle to prevent fan from moving during operation.
8. Attach the water supply hose if the mister feature is to be used.

Note: The pressure of the water source must be restricted to a maximum of 125 psi.



8.0 Operation

8.2 Run Procedure, (Continued)

8.2.1 Start-Up

9. Lift red safety cap and toggle the Emergency Stop switch to the "ON" position.
10. Rotate the Fuel Valve to the "ON" position.
11. Pull choke knob out on GX630 Honda Engine control panel.
12. Set motor throttle to idle / low speed.
13. Insert ignition key into the motor's ignition switch.
14. Turn ignition switch clockwise until the engine turns over and starts to run on its own.

Note: If this is the first time the motor has been started it may take 15 to 20 seconds before the fuel pump can transfer enough fuel to the motor's carburetor before the motor fires-off.

15. Slowly push the choke knob in after motor starts to run.
16. If motor dies when choke is pushed in pull choke out and restart engine. Let engine run a bit longer before choke is pushed-in.
17. Adjust the tilt angle as desired to point air stream into building.

Note: The Honda GX630 motor has an oil level alert function that kill the motor when the motor is tilted more than 20°. The combined tilt of the vehicle plus the tilt of the fan must not exceed 20°.

18. Adjust the motor throttle for the amount of air needed for the application.
19. Turn Water Valve "ON" to start-up the mister nozzles.

8.0 Operation

8.2 Run Procedure, (Continued)

8.2.2 Shut-Down

1. Turn Water Valve "OFF".

Note: It is a good idea to let the fan run for a few minutes to dry-off after the water valve has been turned off.

2. Turn Throttle Lever down to idle.
3. Turn the motor's ignition switch "OFF".
4. Turn the "EMERGENCY STOP" switch to "OFF"

Note: Failure to turn the "EMERGENCY STOP" switch to "OFF" may discharge the battery over time.

5. Turn the Fuel Valve "OFF"



9.0 Troubleshooting

1. **Motor turns over but won't start**
 - Fuel Tank is out of gasoline.
 - Fuel Valve not open.
 - Choke not set.

2. **Motor does not turn over and does not start**
 - Emergency OFF Switch not turned ON
 - The combination of vehicle tilt plus the fan tilt exceeds 20°
 - Battery is discharged
 - Circuit breaker on the Control Panel has tripped and needs to be reset

3. **Scene light does not light**
 - Halogen lamp is burned-out and needs to be replaced
 - Scene Light Switch not turned ON

4. **Fan does not tilt**
 - Control Panel Circuit Breaker has tripped and needs to be reset

5. **Fan does not tilt down**
 - Fan is already at the down limit. Tilt fan up.

6. **Fan does not tilt up**
 - Fan is already at the upper limit. Tilt fan down.

7. **Mister nozzles do not spray**
 - Water supply line not connected to VX700.
 - Water supply source is not turned ON.
 - VX700 Water Valve is not turned ON.
 - Water filter clogged and needs to be replaced.

8. **Mister nozzles spray pattern is weak or intermittent**
 - Low water pressure to the VX700.
 - Clogged water filter.
 - Bent atomizer wire on nozzle.

9. **Hand brake does not hold trailer in place**
 - Adjust hand brake cap CW until trailer does not move.

10. **Beacon light not functioning**
 - Light post not installed
 - Light pole electrical harness not connected
 - Emergency switch is on the "off" position
 - Beacon light switch is in the "off" position



10.0 Maintenance

- 10.1 When performing any maintenance, always remove the ignition key from the ignition switch and disconnect spark plug to prevent accidental start of motor. Always follow all additional safety precautions that your company may have for lock-out / tag-out procedures.
- 10.2 Never operate fan with damaged or missing finger guards.
- 10.3 The engine is equipped with an hour meter; use this meter to gage the frequency of your preventative maintenance.
- 10.4 Inspect the machine for loose fasteners at least once every 6 months. Tighten any loose fasteners immediately.
- 10.5 Inspect impeller blade for cracks and pitting prior to each use. Never operate fan with broken impeller. Never service impeller with parts other than with Euramco supplied components. Contact factory for parts and instructions.
- 10.6 The engine should be run for about 2 hours every three months to maintain the charge on the battery and to prevent the fuel from going stale.
- 10.7 Refer to the Honda GX630 Owner's Manual for engine maintenance schedule and instructions. **Note that special instructions for the oil change are noted in this section of the VX700 Owner's Manual.**

10.8 Inspect spray nozzles

- 10.8.1 If a nozzle becomes clogged, remove and clean as required. A mild detergent or ultrasonic bath may be used if necessary.
- 10.8.2 Replace any nozzle which cannot be repaired. Do not over tighten nozzle to prevent breaking of mister cover.

10.9 Storage

- 10.9.1 If the VX700 Fan is to be placed in storage for long periods of time, (3 to 6 months, add a fuel stabilizer product to the fuel tank and run engine for at least 15 minutes to replace the gasoline in the engine carburetor with the stabilized fuel.

If the VX700 is to be left in storage longer than 6 months, then remove the battery.

- 10.9.2 Store with the vinyl cover over the fan.



10.10 Oil Change

- 10.10.1 Refer to the Honda GX630 Owner's Manual for oil change maintenance schedule.
- 10.10.2 There is an oil drain valve at the base of the motor. Attach a tube with a 3/8" inside diameter to the nipple of the oil drain valve and run the other end to a container. The waste oil container requires a capacity of at least 2 quarts to catch the waste oil. The valve is located under the engine's control panel at the base of the motor.
- 10.10.3 Open the valve and drain the oil.
- 10.10.4 Close the valve and remove the drain tubing.
- 10.10.5 Place a drip pan or bucket under the oil filter, and remove filter.
- 10.10.6 Clean the filter mounting base, and coat the seal of the new oil filter with clean engine oil. Install a new filter, torque to 7 ft-lb (10 N-m).
- 10.10.7 Dispose the used oil and filter in an environmentally friendly manner that is compatible with local laws and ordinances.
- 10.10.8 Refill the crankcase with oil in accordance with the Honda GX630 owner's manual for your environment.

Caution: Add oil to engine slowly to prevent an oil spill.
Cover cables below engine to prevent contact with oil.
- 10.10.9 Reinstall the oil filler cap and oil level dipstick.
- 10.10.10 Start the engine, and check for leaks.
- 10.10.11 Stop the engine, and check the oil level with dipstick.
- 10.10.12 If necessary, add oil to bring the oil level to the upper limit mark on the dipstick.



11.0 Spare Parts

Oil Filter	Honda # 15400-PLM-A01PE
Air Filter	Honda # 17210Z6L-010
Spark Plug	Honda # 98078-5587G
Mist Nozzles	Euramco # FZ-P40

For other parts, call factory or refer to Honda owner's manual as necessary.

12.0 Options

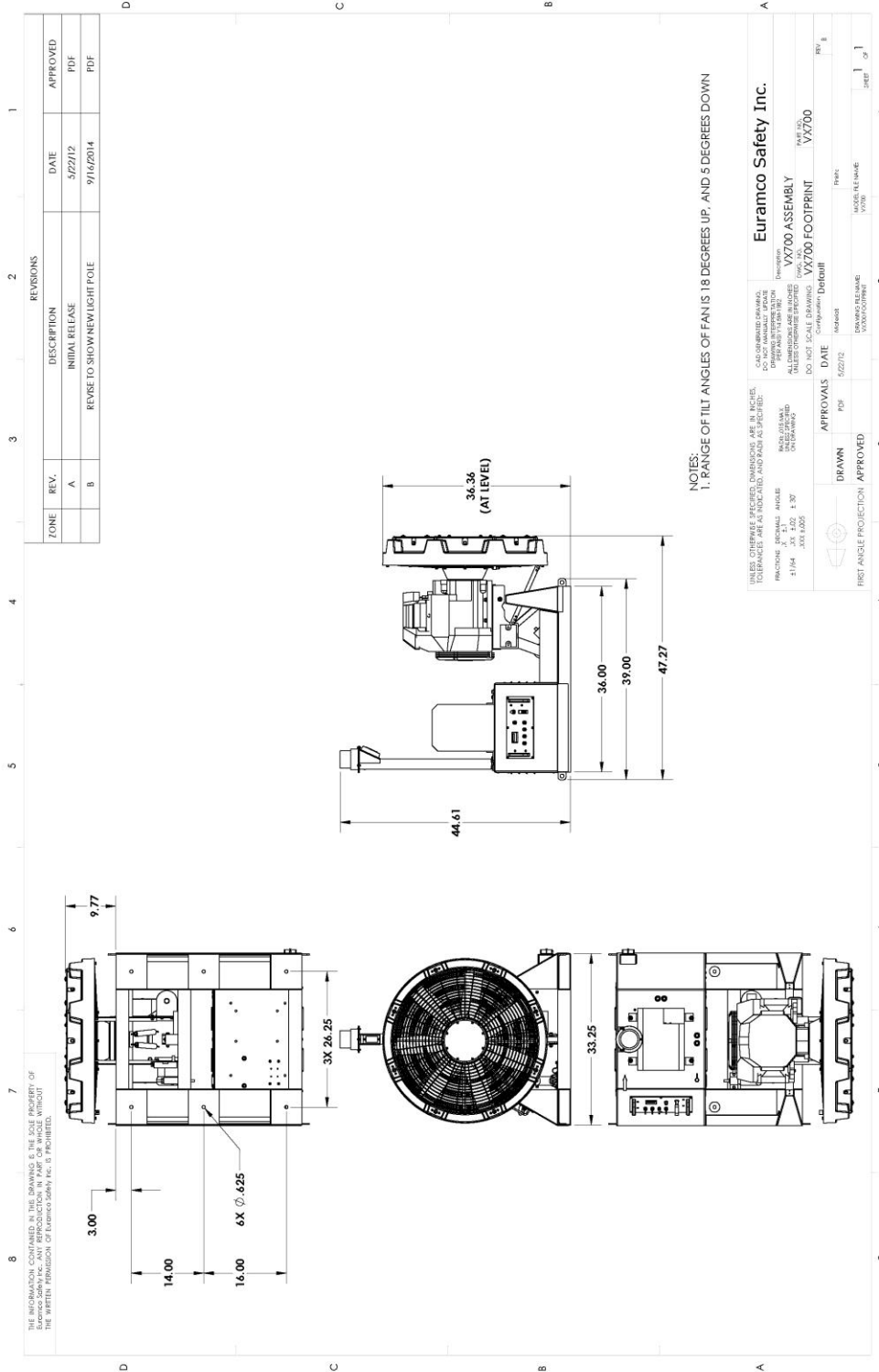
Trailer	Euramco # GK0560
High Capacity Spray Nozzle	Euramco # FZ-P66

12.1 For installation of fan for platforms other than Euramco trailer, refer to DWG-GK5005T

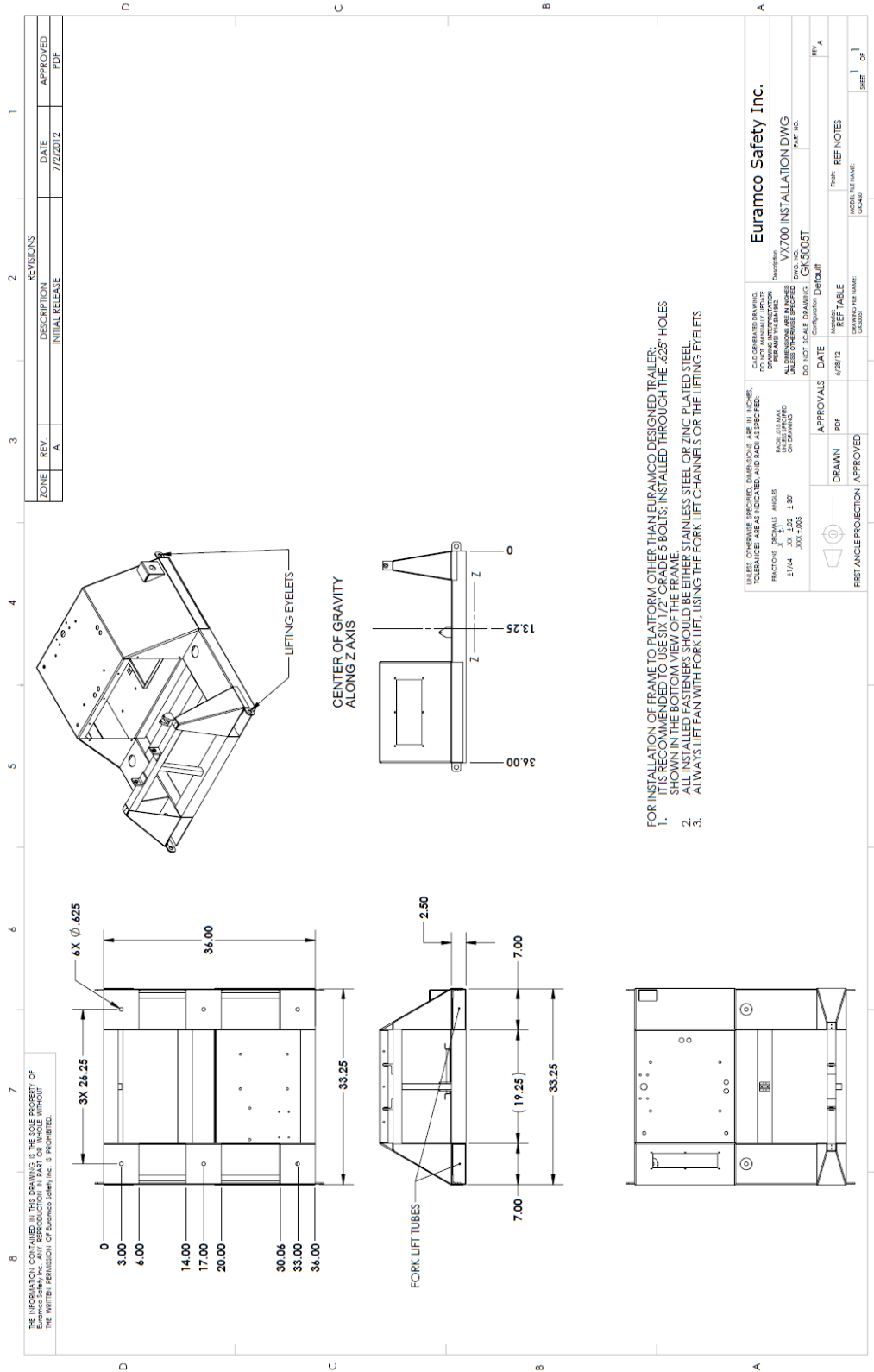
13.0 Supplements

- 13.1 VX700 Outline Drawing
- 13.2 VX700 Installation Layout, DWG-GK5005T
- 13.3 VX700 Operation Guide Card
- 13.4 Schematic
 - 13.4.1 VX700 Control Panel
 - 13.4.2 VX700 Battery Compartment
 - 13.4.3 VX700 Honda GX630 Motor Interface
- 13.5 Water Tubing Layout, DWG-GK5005W
- 13.6 Gasoline & Vapor Recovery Tubing Layout, DWG-GK5005F
- 13.7 Honda GX630 Owner's Manual
- 13.8 Battery Status Indicator

13.1 VX700 Outline Drawing



13.2 VX700 Installation Layout, DWG-GK5005T



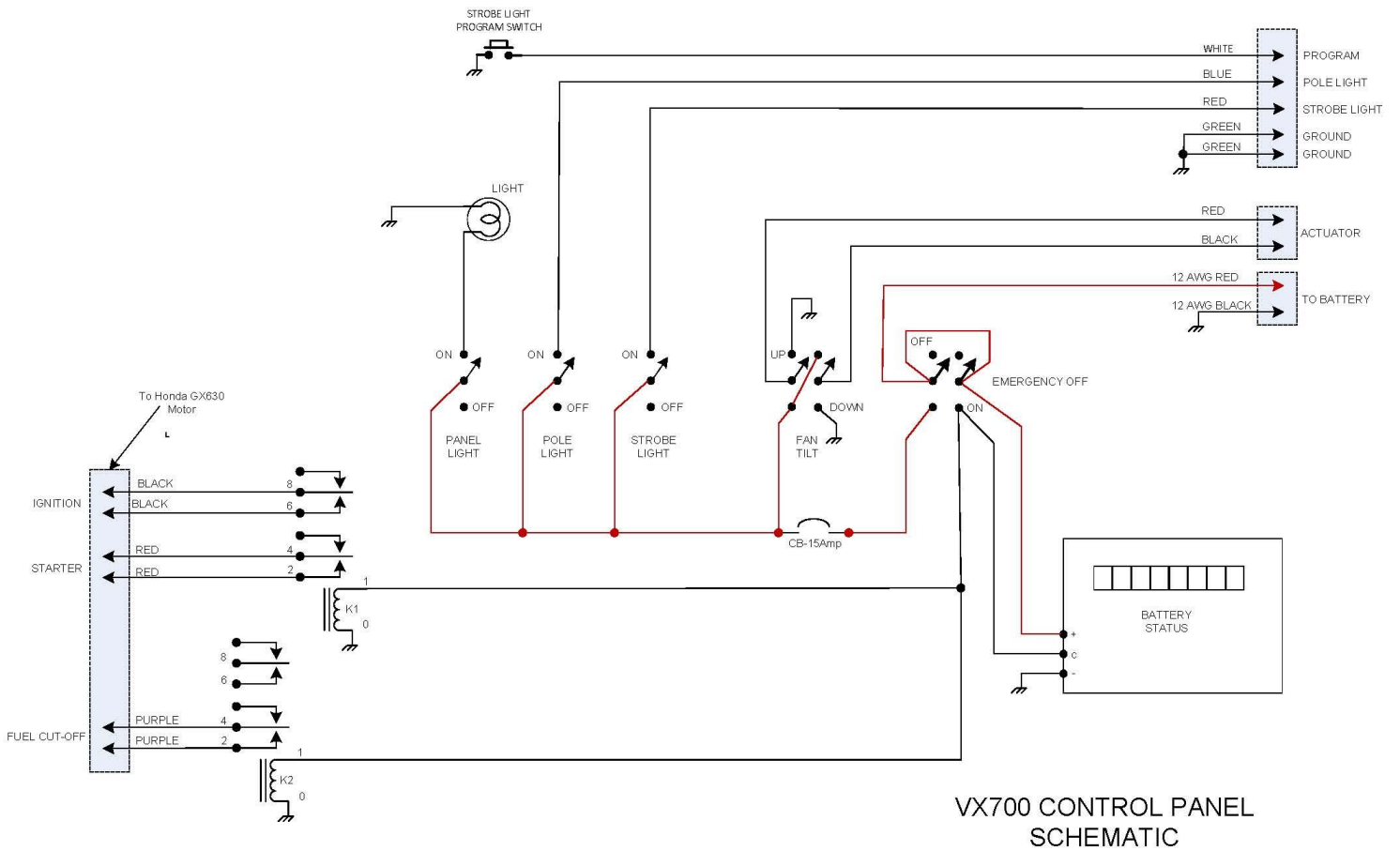
13.3 VX700 Operation Guide Card

VX700 OPERATION GUIDE							
OPERATION	SAFETY PRECAUTIONS						
<p>Starting</p> <ol style="list-style-type: none"> 1. Read <i>Equipment Manual</i> prior to start 2. Position on level surface at proper distance and to suit conditions 3. Set trailer parking brake or vehicle brake 4. Emergency Stop switch to ON 5. Fuel Valve to ON 6. Start engine 7. Adjust RPM to suit <p>Stopping</p> <ol style="list-style-type: none"> 1. Turn Ignition Key to OFF 2. Toggle Emergency Stop Switch to OFF 3. Fuel Valve to OFF <p>Misting</p> <ol style="list-style-type: none"> 1. Connect water hose to inlet (Max 125 psi) 2. Open Mister Valve 3. Reverse steps to secure <p>Fan Setback Recommendations*</p> <table style="width: 100%; border: none;"> <tr> <td style="padding: 2px;">Single door entry.....</td> <td style="text-align: right; padding: 2px;">8–16 ft</td> </tr> <tr> <td style="padding: 2px;">Double door entry.....</td> <td style="text-align: right; padding: 2px;">12–20 ft</td> </tr> <tr> <td style="padding: 2px;">Warehouse entry (9x12 ft).....</td> <td style="text-align: right; padding: 2px;">20–36 ft</td> </tr> </table> <p><small>* These numbers are for initial guidance purposes</small></p>	Single door entry.....	8–16 ft	Double door entry.....	12–20 ft	Warehouse entry (9x12 ft).....	20–36 ft	<p>CHECKLIST Prior to Start</p> <ol style="list-style-type: none"> 1. Check for oil and gas leaks prior to starting 2. Inspect blower for loose hoses and fittings 3. Check fan-guards for integrity and no looseness 4. Set brakes, chocks, and test for no movement 5. Check fuel and oil levels <div style="border: 2px solid black; background-color: yellow; padding: 10px; margin: 10px 0;"> <p align="center">⚠ CAUTION</p> <ul style="list-style-type: none"> • Ear and eye protection REQUIRED • Set brake prior to operation • Do not move blower while fan is turning <ul style="list-style-type: none"> • Stand out of airflow • Do not fill fuel tank during operation • Keep fingers clear during tilt operation </div> <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px 0;"> </div> <p>Euramco Safety Worldwide 2746 Via Orange Way Spring Valley, CA 91978 Toll Free: (800) 472-6326 Phone: +1 (619) 670-9590 Fax: +1 (619) 670-7345 theteam@euramcosafety.com</p>
Single door entry.....	8–16 ft						
Double door entry.....	12–20 ft						
Warehouse entry (9x12 ft).....	20–36 ft						

LB6235

13.4 Schematic

13.4.1 VX700 Control Panel Schematic

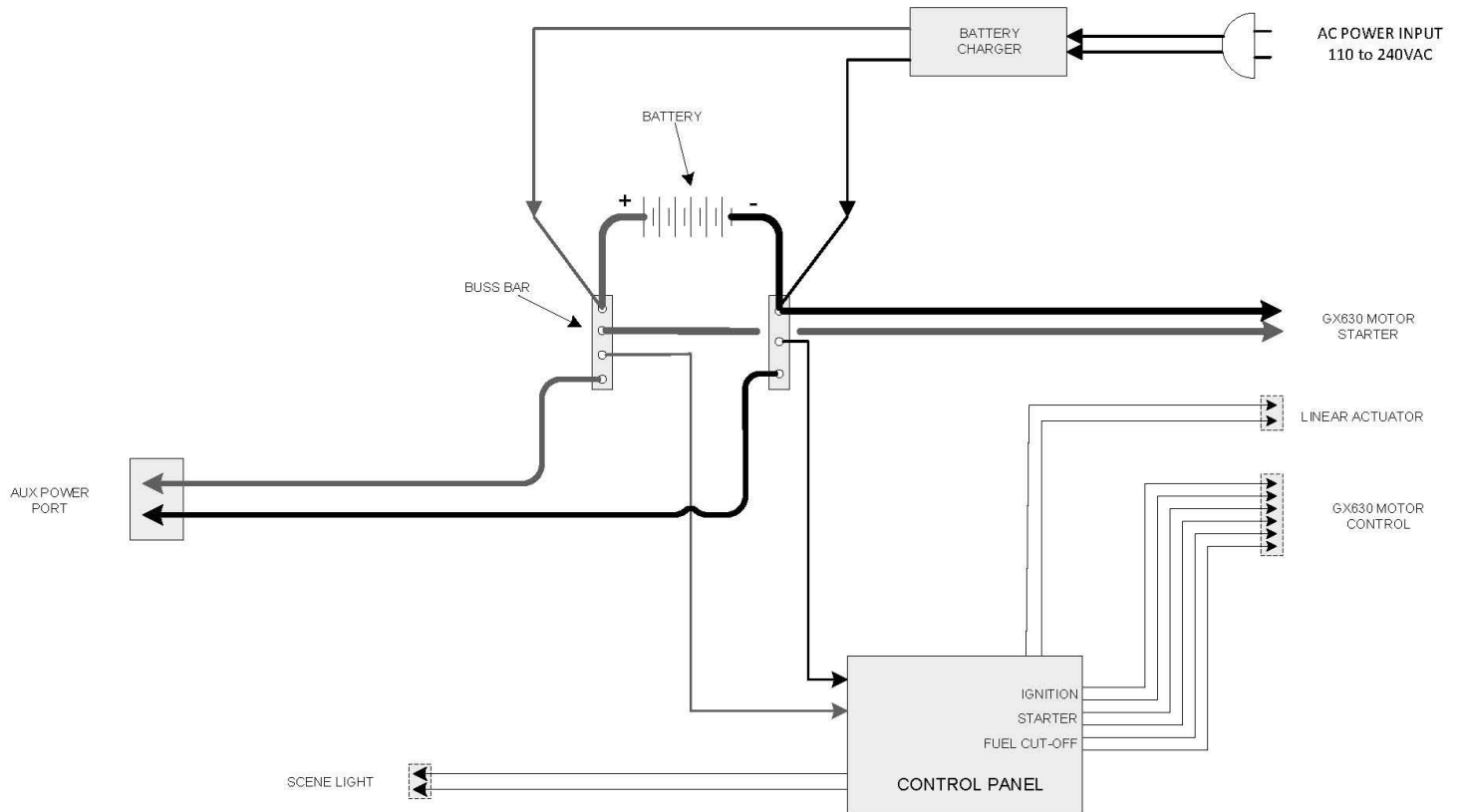


VX700 CONTROL PANEL SCHEMATIC

April 8, 2014

13.4 Schematic

13.4.2 VX700 Battery Compartment Schematic

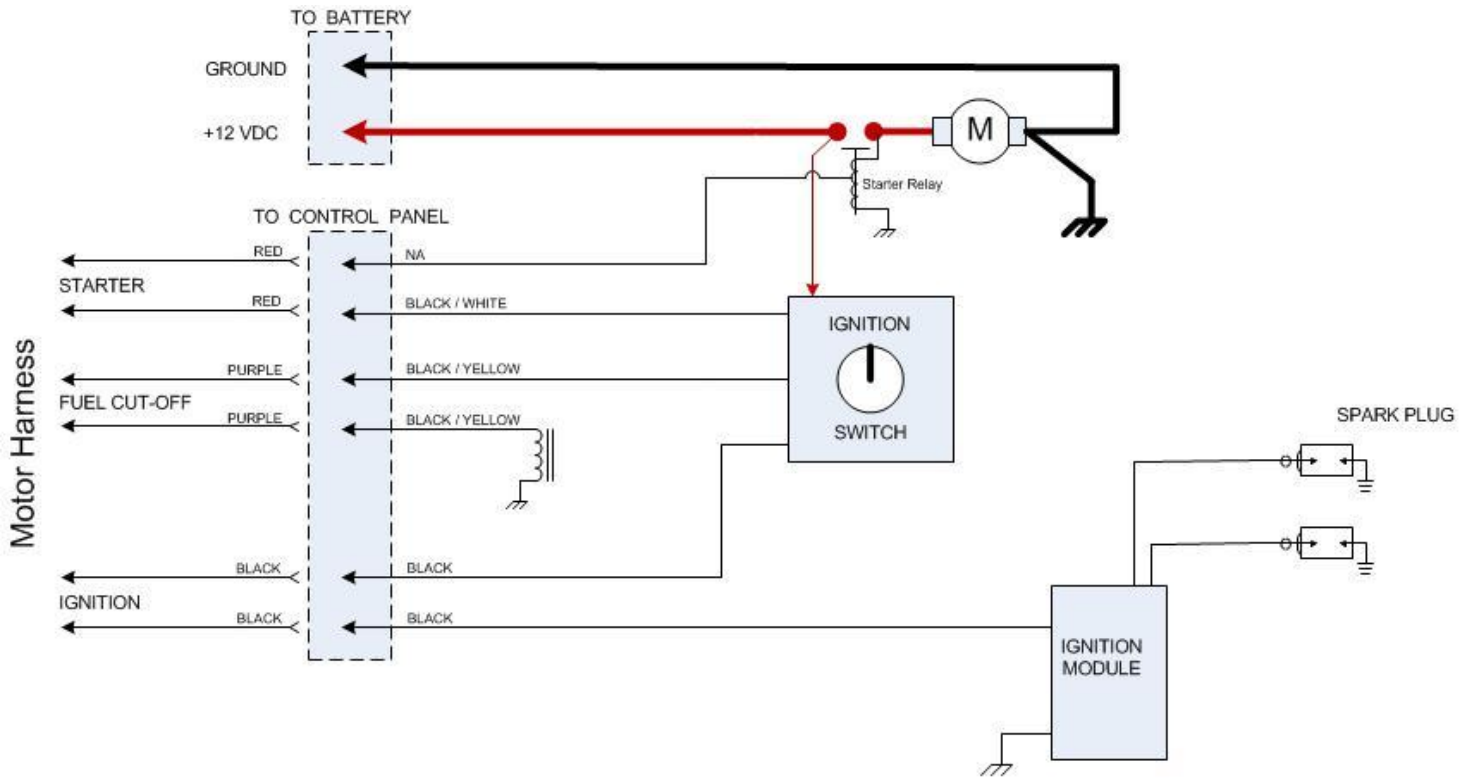


VX700 BATTERY COMPARTMENT SCHEMATIC

July 16, 2012
June 21, 2013

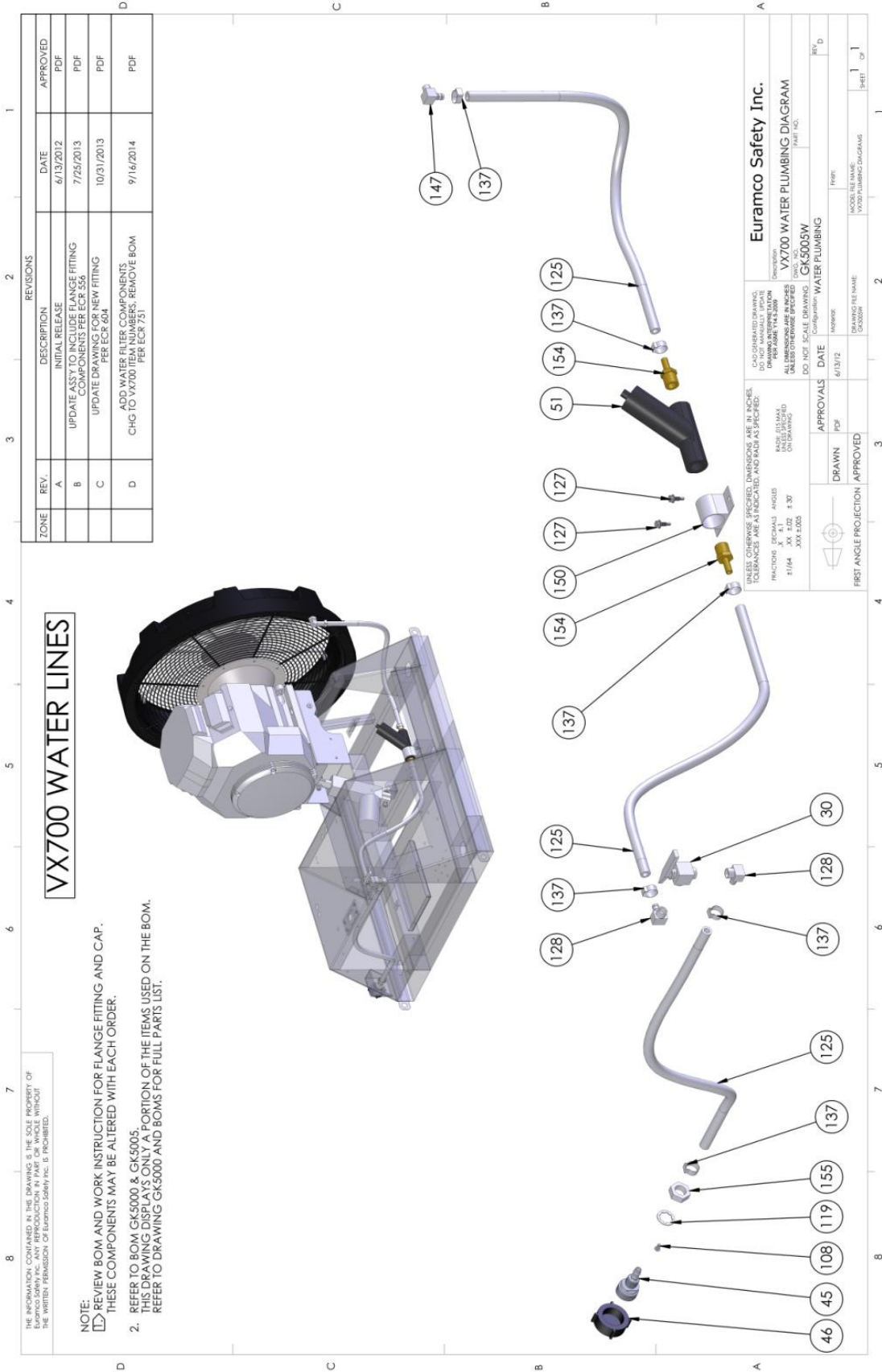
13.4 Schematic

13.4.3 VX700 Honda GX630 Motor Interface

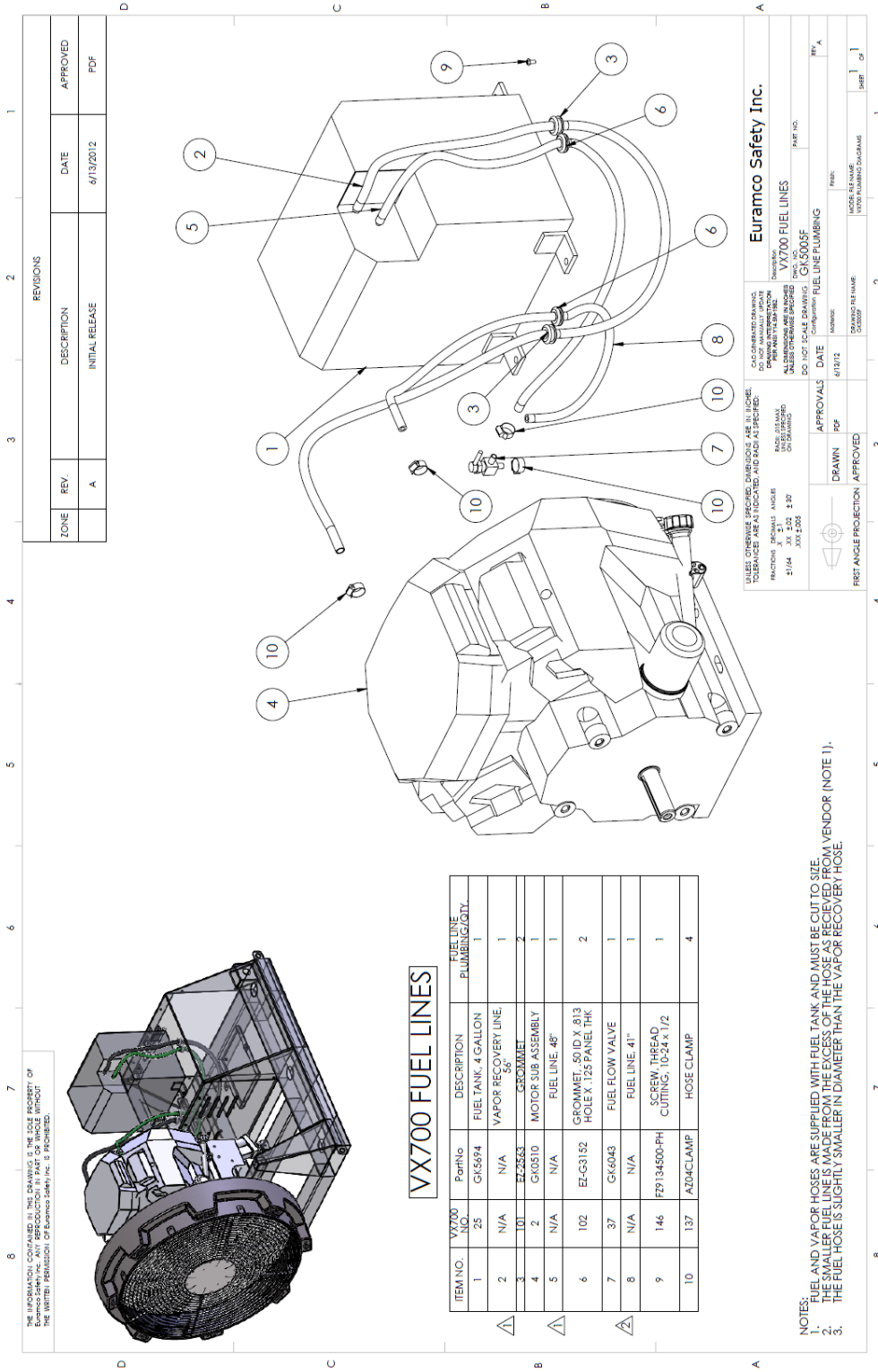


VX700 HONDA GX630
MOTOR INTERFACE

13.5 Water Tubing Layout DWG-GK5005W



13.6 Gasoline and Vapor Tubing Layout DWG-GK5005F



NOTES:
 1. FUEL AND VAPOR HOSES ARE SUPPLIED WITH FUEL TANK AND MUST BE CUT TO SIZE.
 2. THE SMALLER FUEL LINE IS MADE FROM THE EXCESS OF THE HOSE AS RECEIVED FROM VENDOR (NOTE 1).
 3. THE FUEL HOSE IS SLIGHTLY SMALLER IN DIAMETER THAN THE VAPOR RECOVERY HOSE.



13.7 Honda GX630 Owner's Manual

See Owner's Manual attached with this document.

13.8 Battery Status Indicator

Battery Gauges & Charge Indicators



Battery Condition Indicator -Solar System, Forklift, Golf Cart or other 12/24, 36 or 48 volt DC battery powered equipment.

For use on any equipment where the battery status is important. It is specifically designed for battery power equipment to monitor the charge status of the battery or batteries.

The only available instructions are provided below.

• Battery Status

- The battery meter has 10 LEDs that will light to show the battery condition. When fully charged, only the 10th LED will light shown a **green LED**.
- As the battery discharges, successively lower LEDs will light; the 9th, 8th, 7th and so on lighting only 1 LED.
- At approximately 30% battery life, the #3 LED will light and the color is **Yellow** as a caution indicator.
- At approximately 20% battery life remaining, the #2 LED will light as a **Flashing Yellow**.
- When the battery discharges to approximately ~10% remaining life, the #1 LED will start **FLASHING RED** with the #2 LED **FLASHING Yellow** alternately.

It is recommended to have the battery or batteries recharged when the #3 LED lights **Yellow** as a safety margin to prevent dead batteries.

CAUTION: CAUTION: This is not a full proof device and no warranty is made that your battery/batteries is/are in good condition.

Reading	10 LEDs, #10 being fully charged and #1 being fully discharged
Voltage Indicator Range for Solar Systems, Golf Carts, Fork Lift Trucks and other battery powered equipment.	Voltage Range: 2.04 volts full; 1.74 volts empty per cell
Weight	2 Ounces
Voltage Supply	Must match system voltage supply
Temperature Range	-40 to 185 Fahrenheit; -40C to 85C
Power Consumption	2 Watts
	Overall width 2 1/16"; Height 1 1/4"



Dimensions	Hole cutout - 1 3/8" wide by 7/8" high Depth Behind front meter flange to end of mounting screws - 1 1/8 inches
------------	--

Installation Connections

The terminal marked "+" is for positive volts. The terminal marked "-" is for ground. These must be hooked up for the indicator to record battery usage. With only these two terminals hooked up, there will be no display showing. This is done to conserve battery power, but the meter is monitoring the batteries.

When you want to see the display, connect the terminal marked "C" to a positive volt source (+ and - terminals should still be connected).

"C" can be hard wired to have the display showing all of the time or can be used through a momentary contact switch to see the battery status by depressing the momentary contact switch. Another method for installation would be to connect "C" to a terminal coming from a switch key that goes hot when the key is turned on. Remember that + and - must always be connected.

NOTE: For the meter to be reset to full, it is necessary that the meter sees the charging voltage for as little as 1/2 second. If you have your meter hooked up only from a switched source for both the + and "C" terminal, you must switch this on during the recharge cycle for less than 1 second to reset the meter.

For more information as to how the meter works, see the attached specification sheet.