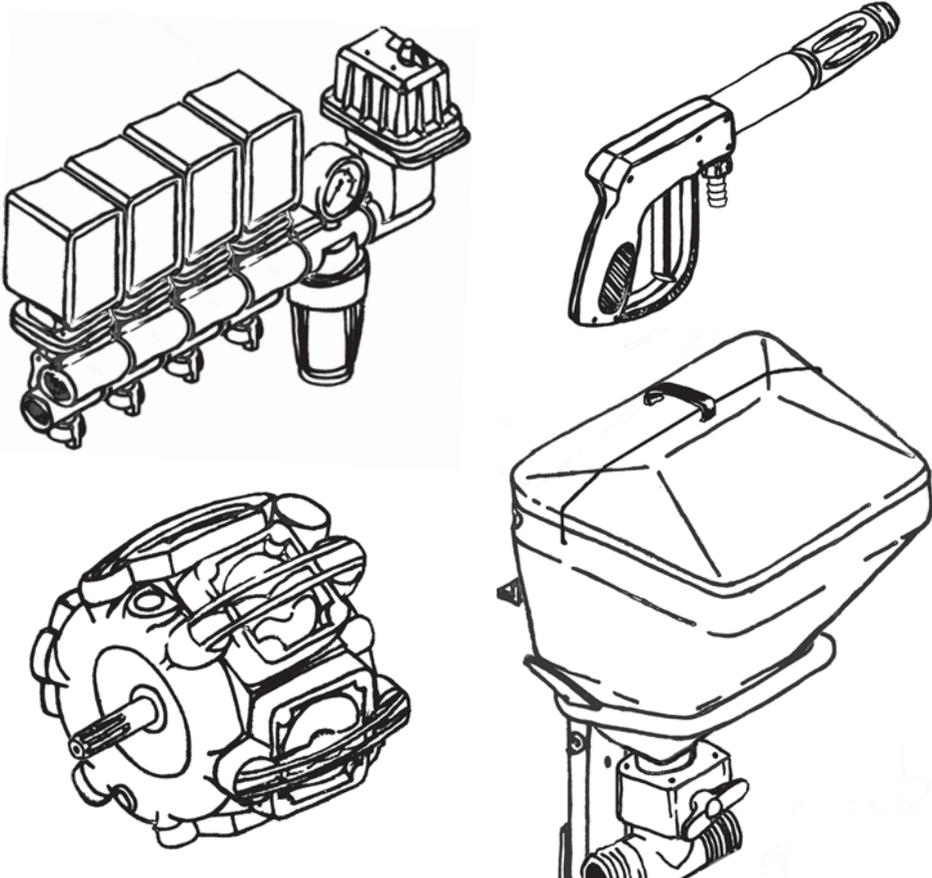
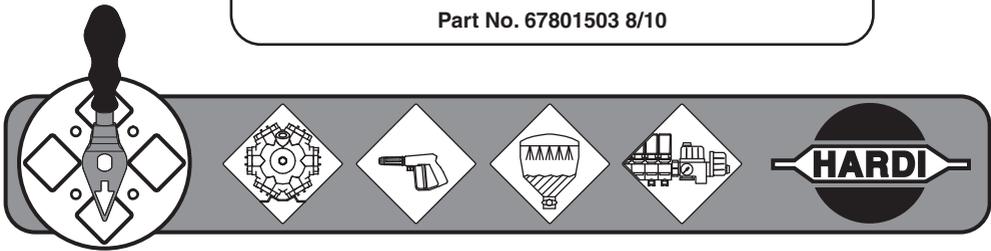


# HARDI® SPRAYERS



**Supplement to  
FOAM MARKER  
Standard Version  
Operator's Manual**

Part No. 67801503 8/10







**Supplement to  
FOAM MARKER  
Standard Version  
Operator's Manual**  
Part No. 67801503 8/10

HARDI® reserves the right to make changes in design, material, or specification without notice thereof. HARDI® and other product names are trademarks of HARDI® Inc. in the U.S. and in other countries.





Dear Owner,

Thank you for purchasing a HARDI® product and welcome to the ever-increasing family of HARDI® sprayer owners.

Our sprayers and accessories are rapidly becoming a familiar sight on North American farms. We believe that this results from growers becoming increasingly conscious of crop protection input costs and the vital need for cost effective spray application equipment.

Please take the time to thoroughly read the Operator's Manual before using your equipment. You will find many helpful hints as well as important safety and operation information.

Some of the features on your HARDI® sprayer were suggested by growers. There is no substitute for "on farm" experience and we invite your comments and suggestions. If any portion of this instruction book remains unclear after reading it, contact your HARDI® dealer or service personnel for further explanation before using the equipment.

**For Product, Service or Warranty Information:**

- Please contact your local HARDI® dealer.

**To contact HARDI® directly:**

- Please use the HARDI® Customer Service number: 1-866-770-7063

- Or send your email to [CUSTSERV@hardi-us.com](mailto:CUSTSERV@hardi-us.com)

**Visit us online at: [www.hardi-us.com](http://www.hardi-us.com)**

**HARDI® NORTH AMERICA INC.**

---

1500 West 76th St.  
Davenport, Iowa 52806  
Phone: (563) 386-1730  
Fax: (563) 386-1710

337 Sovereign Rd.  
London, Ontario N6M 1A6  
Phone: (519) 659-2771  
Fax: (519) 659-2821

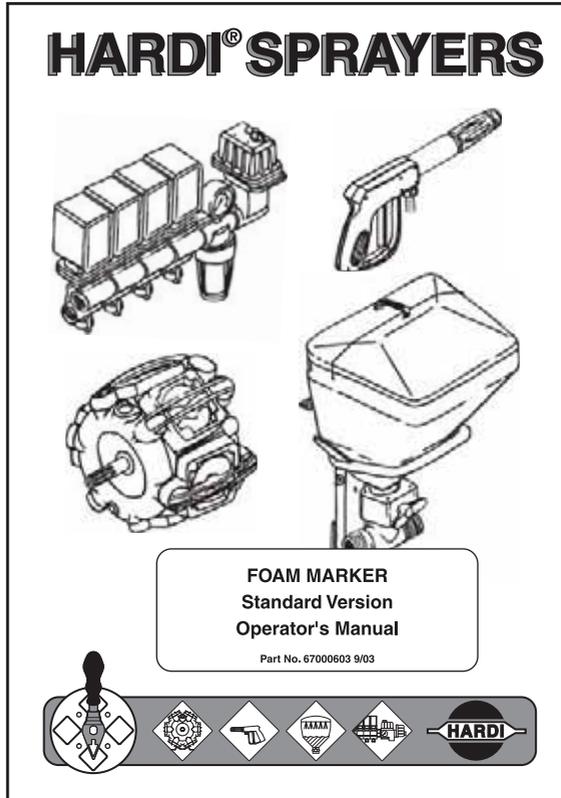
Sincerely,

Dale M. Szuminski  
President



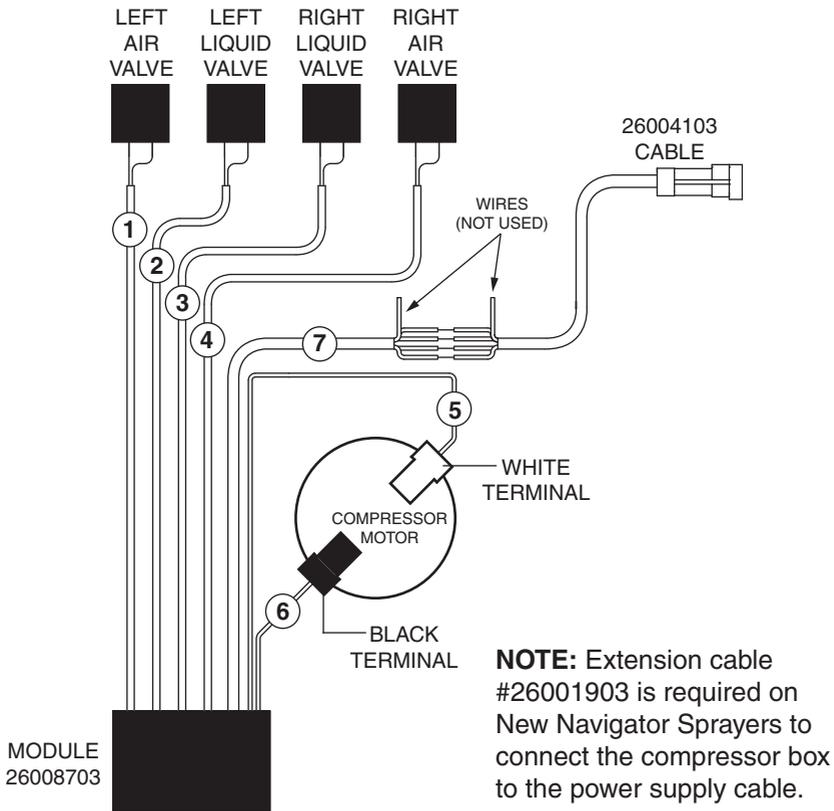
## 1.0 INTRODUCTION

This supplement is to be used in conjunction with the "FOAM MARKER Standard Version Operator's Manual" (Hardi® part no. 67000603).



It includes wiring instructions for models equipped with the Spraybox II control box and 39-pin wiring. Installation instructions have been added for the Ranger 2200 and New Commander 4400/6600 sprayers. The updated two year Warranty Policy has also been included.

The section numbers in this supplement correspond to the section numbers in the Operator's Manual where this information would be found. For example, section **3.A** in this supplement is the first supplement (**A**) to section **3** in the Operator's Manual. Any following supplements are labeled **B, C**, etc.



**NOTE:** Extension cable #26001903 is required on New Navigator Sprayers to connect the compressor box to the power supply cable.

1. Blue & Gray pair w/Brown cable tie (to left air valve)
2. Violet & Gray pair w/Red cable tie (to left liquid valve)
3. White & Gray pair w/Green cable tie (to right liquid valve)
4. Green & Gray pair w/Yellow cable tie (to right air valve)
5. Single Red wire (to White terminal of compressor motor)
6. Single Black wire (to Black terminal of compressor motor)
7. Wire bundle w/Blue cable tie (to 26004103 cable):
  - Brown wire to Brown wire (Left side On/Off: +12V to turn on)
  - Black wire to Black wire (Right side On/Off: +12V to turn on)
  - Gray wire to Gray wire (Ground for all input control)
  - Red & Yellow wires (Foam level control - two possible configurations)
    - a. When used with Spraybox II without jobcom (4-20 ma input)
      - Red (module) to Yellow (cable) - other wires unplugged
    - b. When used with Mustang, jobcom or standalone (PWM input)
      - Yellow (module) to Red (cable) - other wires unplugged

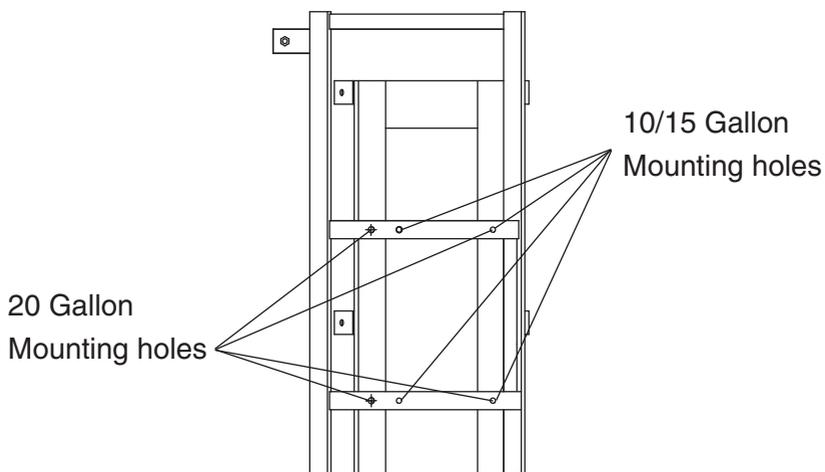
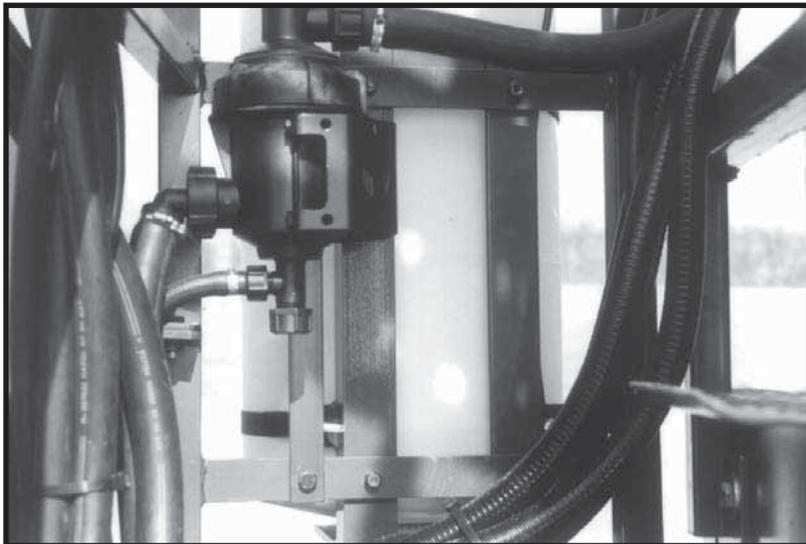
### ***Foam Marker Wiring Schematic***



## 6.0 MOUNTING THE TANK BRACKET

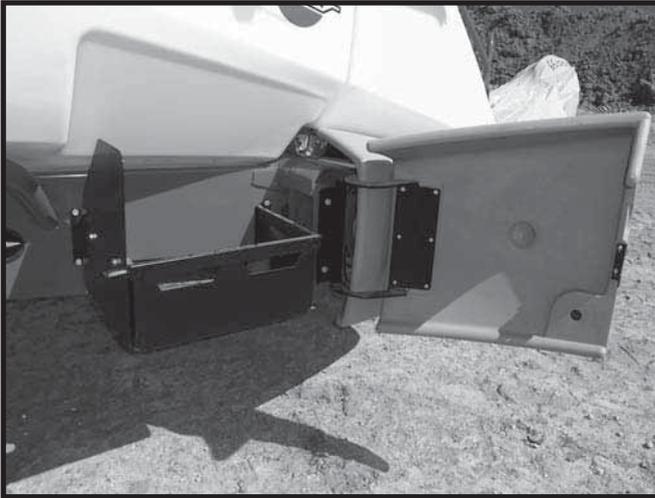
### 6.A Navigator 550, 800, 1000, 550M, 800M, 1000M and Ranger 2200

1. Locate 4 mounting holes on side rail.
2. Position tank mounting bracket so that the mounting holes line up with holes in side rail.
3. Install and tighten all bolts.



## 6.B New Commander 4400/6600

1. The Foam Marker tank on the New Commander 4400/6600 sprayers is mounted inside the right hand storage compartment.
2. The bracket is already factory installed and needs no further assembly.
3. For tank mounting instructions, see section **7.A**.





## 7.0 MOUNTING THE TANK

### 7.A New Commander 4400/6600

1. Place the Foam Marker Tank inside the rear right hand storage compartment.
2. Install the two strap brackets over the tank and into the 4 holes in the storage compartment bracket.
3. Secure the strap brackets with the washers and nuts supplied in the kit.



## 8.0 MOUNTING THE COMPRESSOR

### 8.A Navigator 550, 800, 1000, 550M, 800M, 1000M and Ranger 2200

1. Locate the mounting holes on the right hand side of the sprayer frame. (In front of the tire). Install the mounting bracket using the supplied hardware.
2. Place the Compressor Box on the mounting bracket with hose fittings facing the front of the sprayer.



### 8.B New Commander 4400/6600

1. Locate the mounting holes on the right hand side of the sprayer behind the cyclone filter (behind the front shield). Install the mounting bracket using the supplied hardware.
2. Place the Compressor Box on the mounting bracket with hose fittings facing the front of the sprayer.





## 13.0 WARRANTY POLICY AND CONDITIONS

HARDI® NORTH AMERICA INC. , 1500 West 76th Street, Davenport, Iowa, USA and 337 Sovereign Road, London, Ontario, Canada hereinafter called "HARDI®", offers the following limited warranty in accordance with the provisions below to each original retail purchaser of its own manufacturer, from an authorized HARDI® dealer that such equipment is at the time of delivery to such purchaser, free from defects in material and workmanship and that such equipment will be warranted for a period of one year from the time of delivery to the end user, providing the machine is used and serviced in accordance with the recommendations in the Operator's Manual and is operated under normal farm conditions.

1. This limited warranty is subject to the following exceptions:
  - a) Parts of the machine not manufactured by HARDI®, (i.e. engines, tires, tubes, electronic controls and other components or trade accessories, etc.) are not covered by this warranty but are subject to the warranty of the original manufacturer. Any claim falling into this category will be taken up with the manufacturer concerned.
  - b) This warranty will be withdrawn if any equipment has been used for purposes other than for which it was intended or if it has been misused, neglected, or damaged by accident, let out on hire or furnished by a rental agency. Nor can claims be accepted if parts other than those manufactured by HARDI® have been incorporated in any of our equipment. Further, HARDI® shall not be responsible for damage in transit or handling by any common carrier and under no circumstances within or without the warranty period will HARDI® be liable for damages of loss of use, or damages resulting from delay or any consequential damage.
2. We cannot be held responsible for loss of livestock, loss of crops, loss because of delays in harvesting or any other expense or loss incurred for labor, supplies, substitute machinery, rental for any other reason, or for injuries either to the owner or to a third party, nor can we be called upon to be responsible for labor charges, other than originally agreed, incurred in the removal or replacement of components.
3. The customer will be responsible for and bear the costs of:
  - a) Normal maintenance such as greasing, maintenance of oil levels, minor adjustments including the boom.
  - b) Transportation of any HARDI® product to and from where the warranty work is to be performed.
  - c) Dealer travel time to and from the machine or to deliver and return the machine from the service workshop for repair unless otherwise dictated by state law.
  - d) Dealer traveling costs.
4. Parts defined as normal wearing items, (i.e. Pump Diaphragms, Valves, O-rings, Tires and V-belts) are not in any way covered under this warranty.
5. This warranty will not apply to any product which is altered or modified without the express written permission of the HARDI® Service and Engineering Departments and/or repaired by anyone other than an Authorized HARDI® Dealer.
6. Warranty is dependent upon the strict observance by the purchaser of the following provisions:
  - a) That this warranty may not be assigned or transferred to anyone.
  - b) That the Warranty Registration Certificate has been correctly completed by dealer and purchaser with their names and addresses, dated, signed and returned to the appropriate address as given on the Warranty Registration Certificate within 30 days of delivery to the purchaser.
  - c) That all safety instructions in the operator's manual shall be followed and all safety guards regularly inspected and replaced where necessary.
7. No warranty is given on second-hand products and none is implied.

# WARRANTY POLICY AND CONDITIONS



8. Subject to the following terms, conditions and contributions, HARDI® extends the warranty on polyethylene tanks (excluding fittings, lids and gaskets) to FIVE YEARS on field sprayers and TEN YEARS on Orchard and Vineyard sprayers. To qualify for this extended warranty, the tank must be drained and flushed with fresh water after each day's use. HARDI®'s liability is limited to replacement of defective parts FOB our plants in Davenport, IA and London, Ontario, Canada at no cost to the purchaser for the first twelve months after date of purchase; at 20% of the then current retail price during the second year; at 40% during the third year; at 60% during the fourth year; and at 80% during the fifth year. This extended warranty is subject, in each instance, to the tank being inspected and approved for replacement or repair by HARDI® personnel before HARDI® will accept any liability hereunder.
9. Subject to the following terms, conditions and contributions, HARDI® extends the warranty on HARDI® diaphragm pumps (excluding wearing parts such as diaphragms, valves and o-rings) to FIVE YEARS. To qualify for this extended warranty, the pump must be drained and flushed with fresh water after each day's use. HARDI®'s liability is limited to replacement of defective parts, FOB our plants in Davenport, IA and London, Ontario, Canada at no cost to the purchaser during the first twelve months after date of purchase; at 20% of the then current retail price during the second year; at 40% during the third year; at 60% during the fourth year; and at 80% during the fifth year. This five year extended warranty is subject, in each instance, to the pump being inspected and approved for replacement or repair by HARDI® personnel before HARDI® will accept any liability hereunder.
10. HARDI® reserves the right to incorporate any change in design in its products without obligation to make such changes on units previously manufactured.
11. The judgement of the HARDI® Service Department in all cases of claims under this warranty shall be final and conclusive and the purchaser agrees to accept its decisions on all questions as to defect and the repair or exchange of any part or parts.
12. No employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by the CEO in the Davenport office. Approval of warranty is the responsibility of the HARDI® Service Department.
13. Any warranty work performed which will exceed \$1000.00 MUST be approved IN ADVANCE by the Service Department. Warranty claims filed without prior approval will be returned.
14. ANY pump replacement MUST be approved by the HARDI® Service Department.
15. Claims under this policy MUST be filed with the HARDI® Service Department within thirty (30) days of when the work is performed or warranty shall be void unless prior arrangements are made.
16. Parts which are requested for return by the HARDI® Service Department must be returned prepaid within thirty (30) days for warranty settlement.
17. Warranty claims must be COMPLETELY filled out including part numbers and quantities or claims will be returned to the submitting dealer.

## DISCLAIMER OF FURTHER WARRANTY

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH ABOVE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCT CONTAINED HEREIN. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES (SUCH AS LOSS OF ANTICIPATED PROFITS) IN CONNECTION WITH THE RETAIL PURCHASER'S USE OF THE PRODUCT.





**For Product, Service or Warranty Information:**

- Please contact your local HARDI® dealer.

**To contact HARDI® directly:**

- Please use the HARDI® Customer Service number: 1-866-770-7063

- Or send your email to: [CUSTSERV@hardi-us.com](mailto:CUSTSERV@hardi-us.com)

Visit us online at: [www.hardi-us.com](http://www.hardi-us.com)

**HARDI® NORTH AMERICA INC.**

1500 West 76th St.  
Davenport, Iowa 52806  
Phone: (563) 386-1730  
Fax: (563) 386-1710

337 Sovereign Rd.  
London, Ontario N6M 1A6  
Phone: (519) 659-2771  
Fax: (519) 659-2821

