

Installation Manual

A700153 Plastic Line Conversion Kit

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Changes and Revisions

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00	Original manual	TG 21FEB07	TG 21FEB07	1MAR2007
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Important Information

The information in this manual is intended for certified VMAC installers who have been trained in installation procedures and for people with mechanical trade certification who have the tools and equipment to properly and safely perform the installation. Do not attempt this installation if you do not have the appropriate mechanical training, knowledge and experience.

Follow all safety precautions and standard shop practices for mechanical work.

These instructions are a general guide for installing this product on standard production trucks and do not contain information for installation on non-standard trucks. If you have difficulty with the installation, contact VMAC.

To order parts, contact your VMAC dealer. Your dealer will ask for the VMAC serial number, part number, description and quantity. To locate your nearest dealer, call 1-888-241-2289.

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1 Installation

1.1 Original Hose Removal

- 1 Remove original system pressure and scavenge lines from the truck. These are the two lines that connect to the inlet valve and the back end of the separation tank.
- 2 Remove fittings from the inlet valve that the hoses connected to.

1.2 Plastic Line Installation

1. Thread ¼" (larger tube diameter) 90 degree elbow Push-To-Connect fitting into female end of the 1/4" compression fitting (the larger of the two compression fittings)
2. Thread a 3/16" (smaller tube diameter) straight Push-To-Connect fitting into female end of the 3/16" compression fitting (the smaller of the two compression fittings)
3. Discard compression nut and insert from the compression fittings
4. Clean out ports on discharge cap (where you removed the original lines)
5. Apply loctite to threads of compression fittings and thread into ports on discharge cap. Tighten smaller fitting to 125 lbs-in and larger fitting to 200 lbs-in. **(WARNING: DO NOT OVERTIGHTEN AS FITTINGS CAN BREAK)**
6. Thread ¼" (larger tube diameter) 90 degree elbow into scavenge port on the inlet valve (side without regulator) where you removed previous scavenge line fitting.
7. Thread appropriate (either 90 degree or straight) 3/16" (smaller tube diameter) into system pressure side (side with regulator) where you removed previous line fitting.
8. Slide ¼" and 3/16" supplied plastic lines into loom. Run lines as the original scavenge and system pressure lines were run on the truck. Ensure lines are not going to kink and cut them to length.
9. Push plastic lines into corresponding fittings on discharge cap and inlet valve. Ensure tubing is pushed all the way into fitting and does not pull back out.

1.3 System Testing

1. Start VMAC system
2. Ensure system is operating normally

3. If system does not operate normally ensure lines are connected correctly. The larger plastic line should be attached to the bottom of the discharge cap and the inlet valve on the opposite side of the regulator. The smaller plastic line should be attached to the top of the discharge cap and the inlet valve on the same side as the regulator. If problem still exists contact VMAC technical support.

2 Ordering Parts

To order parts, contact your VMAC dealer. Your dealer will ask for the VMAC serial number, part number, a description of the part and the quantity. To locate your nearest dealer, call 1-800-738-8622.

Item #	Part #	Qty	Description
1	1900883	1	MANUAL, PLASTIC LINE INSTALL
2	1700570	134	TUBE, TEFLON, PTFE, 1/4"OD X 1/8"ID
3	1700571	134	TUBE, TEFLON,PTFE, 3/16"OD X 1/8"ID
4	3800614	1	FAST PACK, PLASTIC LINE
4.1	5000170	1	FITTING, 3/8 TUBE- 1/8 NPT
4.2	5000171	1	FITTING, 7/16 TUBE- 1/8 NPT
4.3	5000020	2	ELBOW, BRASS NPT-POLY, 1/8-1/4
4.4	5000162	2	CONNECT,BRASS NPT-POLY,3/16-1/8 NPT
4.5	5000165	1	ELBOW,90, BRASS NPT-POLY, 1/8-3/16
4.6	1700068	268	LOOM, SPLIT PLASTIC, 1/4

3 Warranty

1 GENERAL PROVISIONS AND LIMITATIONS

1.1 VMAC, Division of Mangonel Investments Corporation, (hereafter "VMAC") warrants to each original retail purchaser (hereafter "Buyer") of its new Accessory Product (hereafter "Product(s)") from VMAC or its authorized Dealers that such Product(s) are, at the time of delivery to the Buyer, free of manufacturer defects in material and workmanship.

2 NO WARRANTY IS MADE WITH RESPECT TO

2.1 Any Product(s) which have, in VMAC's judgment, been subject to negligence, accident or improper storage, installation, application, operation or maintenance, or have been repaired or altered in such a way that affects the Product(s) adversely.

2.2 Components or accessories manufactured, warranted and serviced by others.

2.3 Damages caused from service and repairs and corrections with minimum action, such as adjustments and inspections, or replacement of items.

2.4 Consequential damages caused by Product(s) failure.

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Fax: 1-250-740-3201

2.5 Any Product(s) if other than VMAC's genuine components are used in the Product(s).

2.6 Normal wear and tear of Product(s).

3 WARRANTY PERIOD

3.1 The warranty period will commence 30 days from date of shipment from VMAC.

3.2 The Product(s) is warranted against manufacturer defects in materials and workmanship for a period of 12 months.

3.3 Replacement components of Product(s), shall be warranted for the remainder of the original warranty period.

4 VMAC OBLIGATIONS

4.1 VMAC's obligation is limited to repairing or, at VMAC's option, replacing, during normal business hours at an authorized service facility of VMAC, any component, which in VMAC's judgment is proven to be defective as warranted.

4.2 VMAC's obligation is limited to Product(s) proven to be warranted. No liability is accepted for any consequential damages, injuries or expenses directly or indirectly related to Product(s) failure.

5 BUYER OBLIGATIONS

5.1 Buyer shall notify VMAC of the alleged defect within 10 days of initial discovery and return the allegedly defective component(s) within 30 days of initial discovery.

5.2 The Buyer must prepay all costs associated with the warranty claim and submit receipts and/or invoices to VMAC for evaluation.

5.3 If required by VMAC, the Buyer must return components claimed under this warranty to a facility designated by VMAC for evaluation, to establish a claim under this warranty.

6 DISCLAIMER AND WARRANTY SERVICE

6.1 Any labor costs claimed in excess of VMAC's set rate and/or times are not provided by this warranty. If applicable, any labor costs in excess of VMAC rate schedules caused by, but not limited to, location or inaccessibility of the equipment, travel time or labor provided by unauthorized service personnel are not provided by this warranty.

6.2 This warranty is in lieu of all other warranties or obligations, express or implied. VMAC expressly disclaims all implied warranties of merchantability or fitness for a particular purpose.

6.3 Warranty claims must be pre-authorized by VMAC, and the components returned via prepaid freight using the designated "Returned Merchandise Authorization" number and form.

