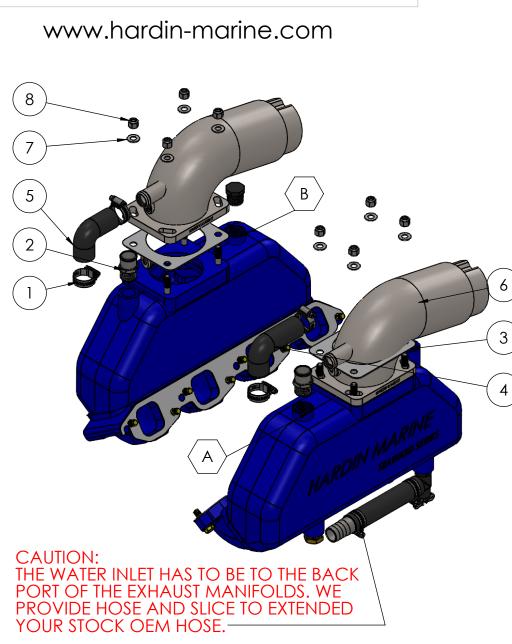




F

D



PART NO.

620-38036

QTY.
4
2
2
1
1
2
8
8

## INSTALLATION INSTRUCTIONS:

 APPLY LIQUID THREAD SEALANT TO THE SUPPLIED HOSE BARB FITTINGS & PIPE PLUGS.
 USING 1-1/16 WRENCH, INSTALL #2 HOSE BARB FITTINGS INTO FRONT OF THE MANIFOLDS, FIG. A.
 USING 1-1/8 WRENCH, INSTALL #7 NPT PIPE

PLUGS INTO THE REAR OF THE MANIFOLDS, FIG.B.

4) APPLY ANTI-SIEZE TO THE 8 STUDS.

5) SLIDE GASKETS OVER STUDS. DO NOT USE

SEALANT ON THE GASKETS.

6) INSTALL RISERS.

7) IF YOU ARE INSTALLING 620-38051 SHIFT BRACKET AND 620-38050 OIL FILTER RELOCATION BRACKET, INSTALL THEM NOW. USE THE INSTRUCTIONS THAT CAME WITH THOSE KITS.

8) INSTALL #9 WASHERS AND #8 NUTS. USING 9/16 CROWS FOOT, TORGUE TO 30 FT. LBS..

9) INSTALL #5 AND 6 JUMPER HOSE WITH #1 HOSE CLAMPS. STARBOARD SIDE IS THE SHORTER HOSE.

CAUTION\*\* HARDIN MARINE MANIFOLD SYSTEMS ARE DESIGNED FOR USE ON ENGINES WITH FULL TIME CONSTANT WATER CIRCULATION AT ALL TIMES. NOTE\*\* AFTER APPROXIMATELY 2-5 HOURS USE OR NUMEROUS ENGINE HEAT CYCLES ALL HARDWARE MUST BE RETORQUED AND OR TIGHTENED.

THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON EXPRESS CONDITION THAT IT SHALL NOT BE LENT, COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT WRITTEN CONSENT OF HARDIN MARINE INC.. BREACH OF THIS CONTRACT WILL HOLD ....... AND IT'S PRINCIPALS LIABLE FOR LOSS AND DAMAGES.

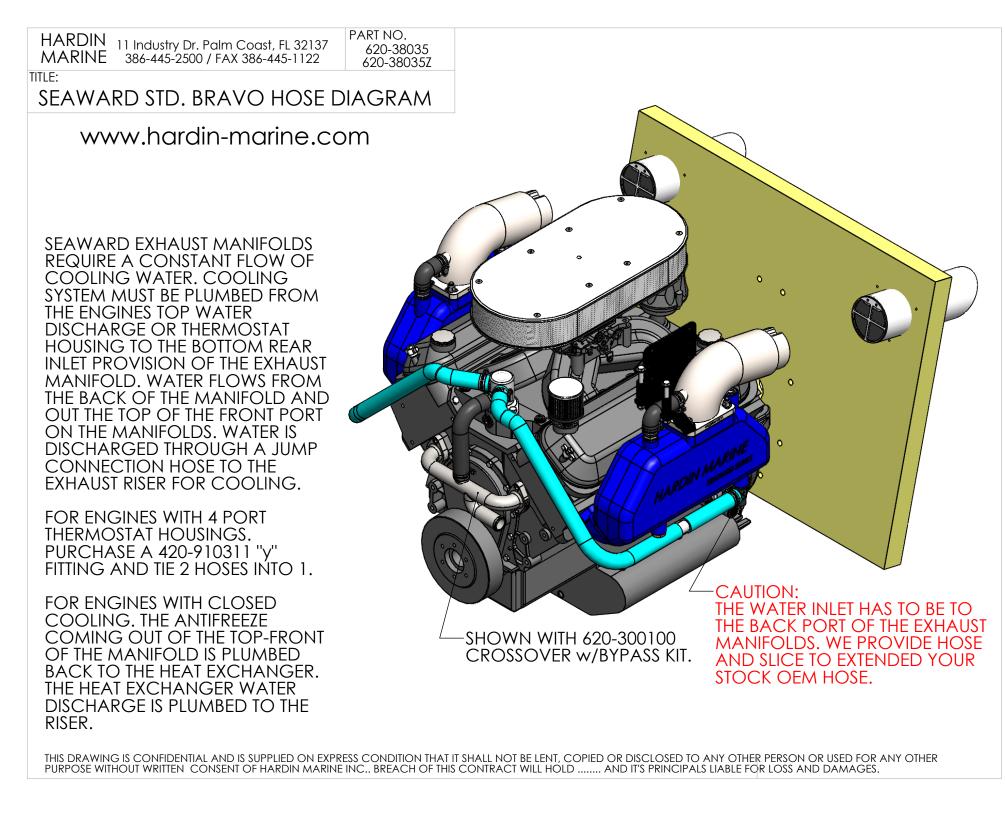
TITLE:

HARDIN

11 Industry Dr. Palm Coast, FL 32137

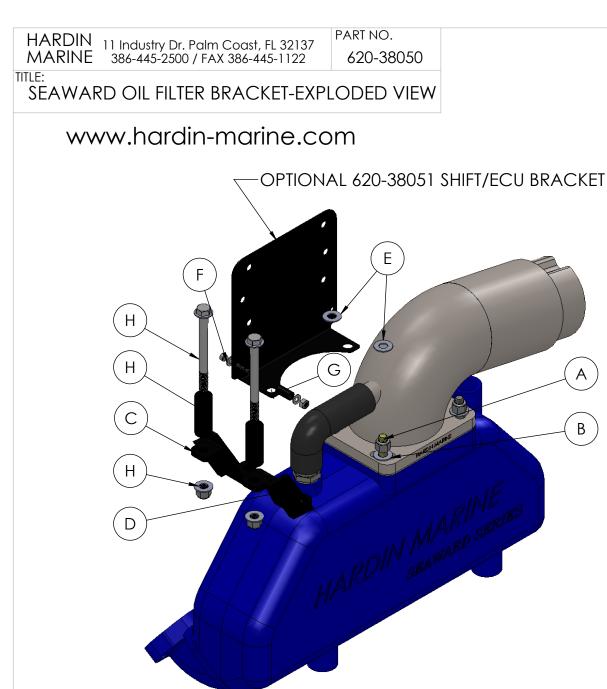
SEAWARD BBC RISER INSTALLATION

MARINE 386-445-2500 / FAX 386-445-1122



HARDIN         11 Industry Dr. Palm Coast, FL 32137         PART NO.           MARINE         386-445-2500 / FAX 386-445-1122         620-38050	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
TITLE:	1	620-38052	BRKT, OIL FILTER - SEAWARD - STRB	1
SEAWARD OIL FILTER BRACKET-PARTS BREAKDOWN	2	620-32500R	BRKT, OIL FILTER - PORT	1
	3	90037SA-STSS	WASHER, 3/8 SAE	5
www.hardin-marine.com	4	90010AN-STSS	WASHER, #10 AN	2
	5	90010C150SHS	BOLT	1
	6	90010CN-FNSS	NUT, 10-24	1
	7	620-32500C	SPACER, OIL FILTER RELOCATION	2
	8	90037C400HHS	BOLT, 3/8	2
	9	90037CN-FNSS	NUT, 3/8-16	2
	10	620-38054	SPACER, OIL FILTER BRKT - SEAWARD	1
	11	420-100	STUD, EXHAUST	2
7 (4) 5 (6) (4) (2) (1) (3) (9) (1) (1) (1) (1) (1) (1) (1) (1		2) TORQUE 3) TORQUE 4) PARTS 4, INSTALLING SHIFT/ECU I	USE ANTI-SIEZE ON ALL BOLTS. #10 BOLTS TO 100 IN. LBS 3/8 BOLTS TO 35 FT. LBS 5,6 & 10 ARE ONLY USED WHEN BRACKET WITH 620-38051 BRACKET. E THE EXISTING MANIFOLD STUDS	
THIS WASHER IS ONLY USED WHEN INSTALL THIS KIT AND 620-38051 SHIFT/ECU BRACKET				

THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON EXPRESS CONDITION THAT IT SHALL NOT BE LENT, COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT WRITTEN CONSENT OF HARDIN MARINE INC.. BREACH OF THIS CONTRACT WILL HOLD ....... AND IT'S PRINCIPALS LIABLE FOR LOSS AND DAMAGES.



INSTALLATION INSTRUCTIONS: 1) SEE PRINT 620-38050 PARTS FOR EXACT LIST OF PARTS THAT COME IN THIS KIT.

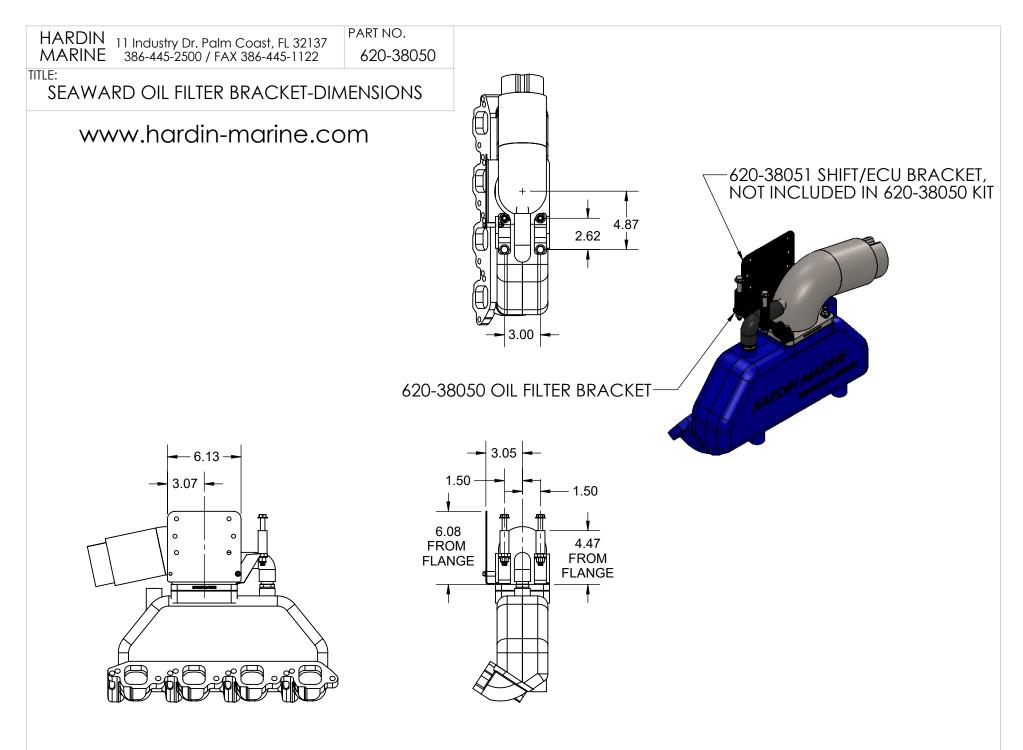
2) ASSEMBLY SHOWN WITH OPTIONAL 620-38051 SHIFT/ECU BRACKET. IF BRACKET IS NOT USED SKIP LINES 4,5, 7,8 & 9.

3) REPLACE THE EXISTING 2 STUDS THAT ARE IN THE MANIFOLD WITH THE SUPPLIED LONGER STUDS, FIG. A. 4) INSTALL WASHER OVER STUD. SEE FIG. B. THIS WASHER IS ONLY USED WITH THE 620-38051 BRACKET! 5) INSTALL 620-38051 BRACKET OVER THE STUDS.

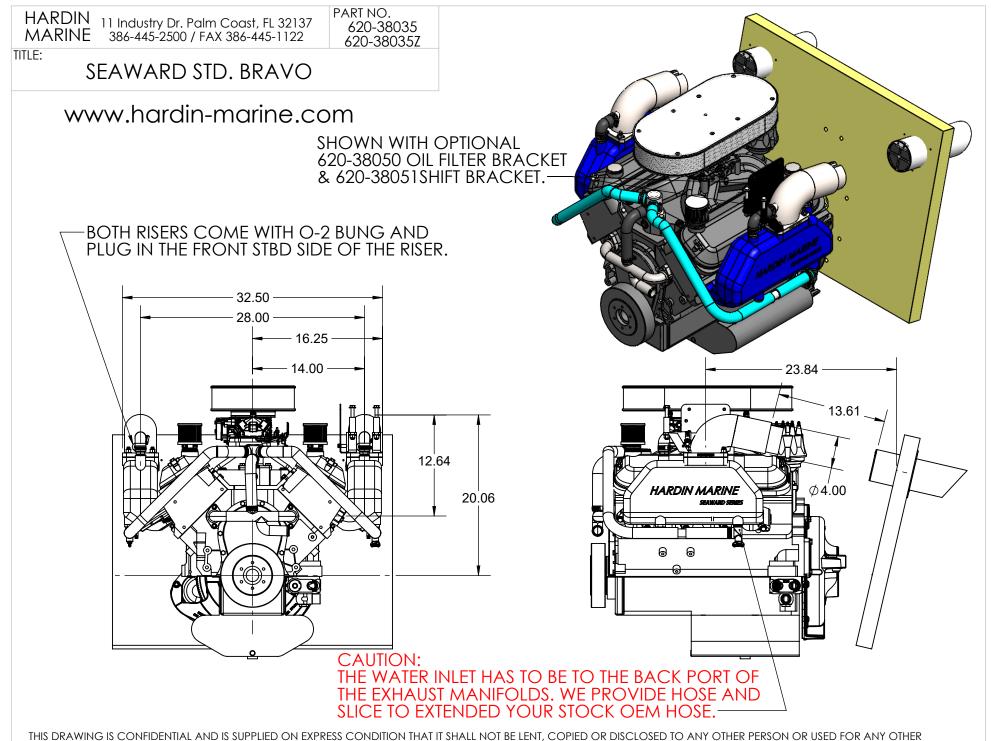
6) SLIDE 620-38052 BRACKET, FIG C, & 620-32500R BRACKET, FIG. D OVER THE 2 STUDS. APPLY ANTI-SIEZE TO THE STUDS. INSTALL WASHER AND NUT FROM HEADER INSTALL KIT, FIG E. DO NOT TIGHTEN NUTS.
7) INSTALL #10BOLT WITH WASHER THRU THE 620-38051 BRACKET, FIG. F.
8) POSITION 620-38054, FIG G.
SPACER BETWEEN THE 620-38051 & 620-38052 BRACKET.
9) APPLY ANTI-SIEZE TO THE BOLT. INSTALL #10 NUT AND WASHER ON THE INSIDE OF 620-38052 BRACKET. TORGUE TO 100 IN. LBS..

10) INSTALL FACTORY OIL FILTER BRACKET USING THE LONG 3/8 BOLTS, WASHERS, NUTS & SPACERS. SEE FIG. H.

11)NOW TORQUE ALL THE 3/8 NUTS, TO 35 FT. LBS..



THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON EXPRESS CONDITION THAT IT SHALL NOT BE LENT, COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT WRITTEN CONSENT OF HARDIN MARINE INC.. BREACH OF THIS CONTRACT WILL HOLD ....... AND IT'S PRINCIPALS LIABLE FOR LOSS AND DAMAGES.



PURPOSE WITHOUT WRITTEN CONSENT OF HARDIN MARINE INC.. BREACH OF THIS CONTRACT WILL HOLD ....... AND IT'S PRINCIPALS LIABLE FOR LOSS AND DAMAGES.

