



Plumbing Instructions For 4-Port Thermostat Kit Part #540-160200

Step 1

Review attached drawing.

Step 2

Install (2) tees in the front water inlet locations as shown, (2) ½" NPT to hose brass tees are supplied in the kit.

Step 3

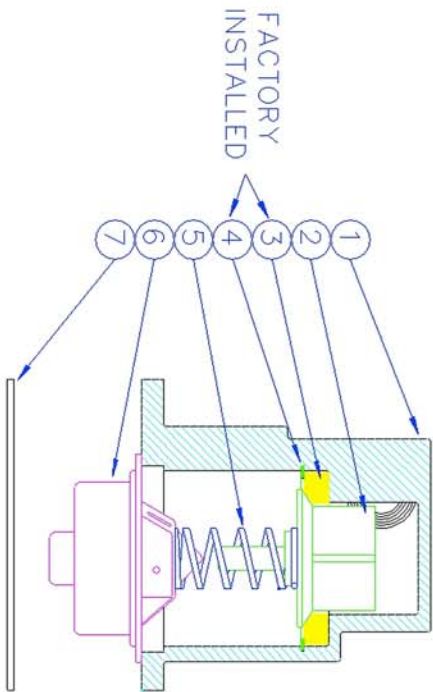
Run a bypass hose from one end of each tee to one of the TOP ports of the thermostat housing as shown. These bypass hoses flow water to the exhaust when the thermostat is closed.

Step 4

The engine water outlet ports are the BOTTOM (2) ports on the thermostat housing. Plumb these lines to the exhaust or overboard discharge, (the same way they were before you installed the thermostat unit).

That's all there is to it. Your engine will now operate in the proper temperature range resulting in better idle, better fuel economy, more power, and longer engine component life.

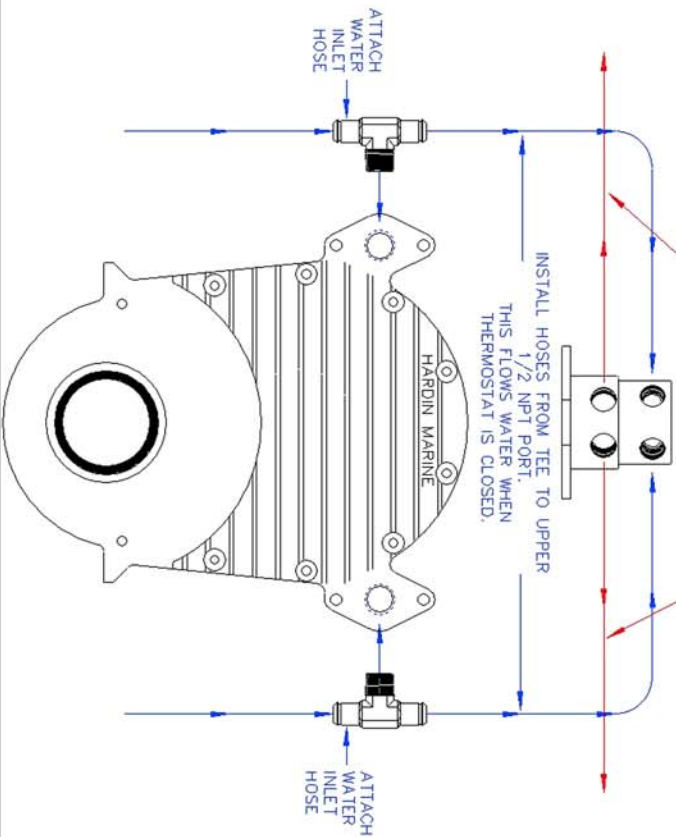
ITEM	QTY.	PART NO.	DESCRIPTION
1	1	540-160199	HOUSING, THERMOSTAT KIT
2	1	540-160102	VALVE, BYPASS - THERMOSTAT KIT
3	1	540-160104	SEAT, BYPASS VALVE - THERMOSTAT KIT
4	1	540-160105	OCC RING, THERMOSTAT KIT
5	1	540-160103	SPRING, THERMOSTAT KIT
6	1	540-160101	THERMOSTAT, 160 DEGREE
7	1	620-04112	GASKET, THERMOSTAT HOUSING
2	2	900370075HHS	SCREW - HHCS - SS - 3/8-16x3/4 (NOT SHOWN)
2	2	9003751L	STSS WASHER - SPLIT LOCK - SS - 3/8 (NOT SHOWN)



FACTORY
INSTALLED

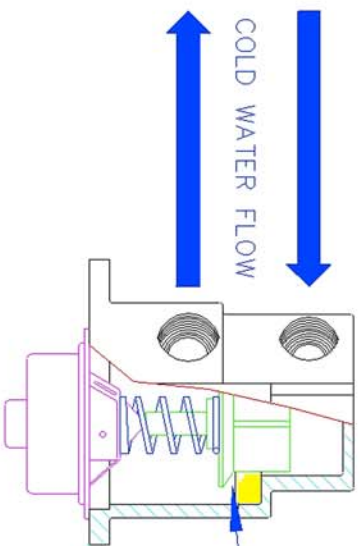
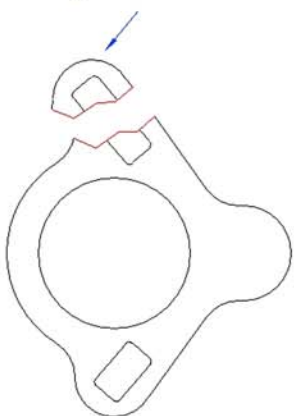
INSTALL HOSES FROM LOWER 1/2 NPT PORTS TO EXHAUST RISER, HEADERS OR OVERBOARD. THIS IS DISCHARGED WATER FLOW.

INSTALL HOSES FROM TEE TO UPPER 1/2 NPT PORT. THIS FLOWS WATER WHEN THERMOSTAT IS CLOSED.

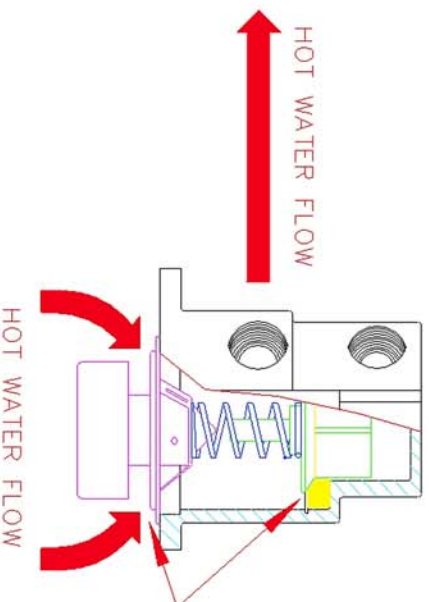


HARDIN MARINE
 PART NUMBER: 540-160200
 DESCRIPTION:
 STAINLESS THERMOSTAT KIT FOR SMALL & BIG BLOCK CHEVY, 455 OLDS & 460 FORD

NOTE: THE THERMOSTAT HOUSING EAR MAY NEED TO BE CUT OFF DUE TO INTERFERENCE WITH SOME INTAKE MANIFOLD RUNNERS.



WATER FLOWS PAST THE BYPASS VALVE AND SEAT WHEN WATER TEMPERATURE IS BELOW 160°.



WHEN THE THERMOSTAT OPENS AT 160°, THE BYPASS VALVE WILL CLOSE NOT ALLOWING WATER TO FLOW THRU.