INSTALLATION INSTRUCTIONS:
1) USE ATTACHED INSTRUCTIONS FOR PROPER INSTALLATION OF 137-9120 STEERING COLUMN.
2) USE ATTACHED INSTRUCTIONS 137-9570 HELM FOR HOSE DIAGRAM TO AND FROM THE HELM.
3) USE ATTACHED 421-32 INSTRUCTIONS TO DETERMINE THE PROPER LOCATION FOR THE ELECTRIC POWER STEERING PUMP AND WIRING.
4) MOUNT #6 137-9037 FILTER TO BULKHEAD OR STRINGER. MAKE SURE THE FLOW IS POINTING TOWARDS THE HELM. INSTALL #7 137-9366 FITTINGS WITH TEFLOM PIPE SEALANT.
5) USE HOSE & FITTING INSTALLATION INSTRUCTIONS TO MAKE ALL OF YOUR HOSES.
7) USE TEFLOM PIPE SEALANT TO INSTALL BOTH THE #10 137-9363 INTO THE THRU HULL FITTINGS FOR THE STEERING RAM HOSES.
OUTBOARD DUAL RAM INSIDE KIT w/ ELECTRIC POWER STEERING

INSTALLATION INSTRUCTIONS:
1) USE ATTACHED INSTRUCTIONS FOR PROPER INSTALLATION OF 137-9120 STEERING COLUMN.
2) USE ATTACHED INSTRUCTIONS 137-9570 HELM FOR HOSE DIAGRAM TO AND FROM THE HELM.
3) USE ATTACHED 421-32 INSTRUCTIONS TO DETERMINE THE PROPER LOCATION FOR THE ELECTRIC POWER STEERING PUMP AND WIRING.
4) MOUNT #6 137-9037 FILTER TO BULKHEAD OR STRINGER. MAKE SURE THE FLOW IS POINTING TOWARDS THE HELM. INSTALL #7 137-9366 FITTINGS WITH TEFLOW PIPE SEALANT.
5) USE HOSE & FITTING INSTALLATION INSTRUCTIONS TO MAKE ALL OF YOUR HOSES.
7) USE TEFLOW PIPE SEALANT TO INSTALL BOTH THE #10 137-9363 & #14 137-9358 INTO THE THRU HULL FITTINGS FOR THE STEERING RAM HOSES.

ITEM NO. PART NUMBER DESCRIPTION QTY.
1 137-9120 4" STEERING COLUMN 1
2 137-9146 HELM, DUAL RAM 1
3 137-9360 FITTING, HELM x -6 JIC 3
4 552-980008 FITTING, HELM x-8 JIC 1
5 421-32 ELECTRIC POWER STEERING PUMP 1
6 137-9037 POWER STEERING FILTER 1
7 137-9366 FITTING, 3/8NPT x -6JIC 2
8 552-230008BB HOSE END, -8 1
9 137-9365 -6 JIC HOSE END 12
10 137-9363 FITTING, 1/4 NPT x -6 JIC 2
11 552-818408 CLAMP, -8 PUSH LOC 2
12 137-9301 HOSE, -6 JIC 80'
13 552-520008 HOSE, -8 PUSH LOC 20'
14 137-9358 TEE, -6JIC TO 1/4 NPT 2

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.
MAYFAIR STEERING POST

- 137-9120
- 137-9121
- 137-9122

- 137-9120 4” FROM DASH
- 137-9121 6” FROM DASH
- 137-9122 8” FROM DASH
MAYFAIR STEERING POST
137-9120
137-9121
137-9122

STEP 1:
1) CENTERMARK THE CENTER HOLE AND 4 MOUNTING HOLES.
2) USE 137-9103 HELM RING TO FIND PLACEMENT ON DASH.
3) USE 2-1/2” HOLE SAW FOR CENTER HOLE
4) USE 13/32 FOR THE 4 MOUNTING HOLES.

STEP 2:
1) INSTALL STEERING POST FROM BEHIND THE DASH.

STEP 3:
1) APPLY BLUE LOCTITE TO THE 3/8 16 x 2.00 LONG BOLTS.
2) SLIDE HELM RING OVER POST.
3) SCREW BOLTS INTO THE HELM.
4) WARNING: MAKE SURE BOLTS DO NOT BOTTOM OUT IN THE HELM BEFORE IT TOUCHES THE POST.
MAYFAIR STEERING POST
137-9120
137-9121
137-9122

STEP 4:

1) APPLY ANTI SIEZE TO THE THREADS.
2) SLIDE ADAPTER ON TO SHAFT. IN POSITION WITH KEYWAY.
3) TORQUE TO 50 FT. LBS..

STEERING WHEEL MOUNTING FACE DIMENSION WITH ¾ THICK DASH

- 137-9120: 4”
- 137-9121: 6”
- 137-9122: 8”

HELM DEPTH BEHIND THE DASH

- 137-9145 SINGLE RAM: 5-3/4”
- 137-9146 DUAL RAM: 6-1/16”
- 137-9147 QUAD RAM: 6-9/16
MAYFAIR STEERING POST
137-9120
137-9121
137-9122

BOLT PATTERN

- MOMO 2.75 BETWEEN CENTERS
- DINO 2.92 BETWEEN CENTERS
- WE SEND WITH 1/4-20 BOLTS. USE LOCTITE ON THE BOLTS AND TORQUE TO 120 IN. LBS..

OPTIONAL HORN BUTTON

- 137-9130 MOMO
- 137-9131 DINO
- USE THE 1/4-20 BOLTS THAT COME WITH THE HORN BUTTON. USE LOCTITE ON THE BOLTS AND TORQUE TO 120 IN. LBS..
INSTALLATION INSTRUCTIONS:
1) SAME FOR BOTH SINGLE AND DUAL RAM.
2) HELM CAN BE INSTALLED AT ANY OF THE 4 90° POSITIONS THAT BEST SUITS THE APPLICATION.
3) APPLY OIL TO THE O-RINGS ON ALL 4 FITTINGS.
4) 552-980008 IS THE LOW PRESSURE RETURN BACK TO THE BOTTOM OF THE RESERVOIR. FITTING IS INSTALLED INTO THE "T" PORT.
5) 137-9360 IS INSTALLED INTO THE REMAINING 3 PORTS.
6) "P" PORT IS THE HI PRESSURE IN FROM POWER STEERING PUMP.
7) "L" & "R" ARE THE HOSES THAT RUN TO THE THRU HULL FITTINGS IN THE TRANSOM. "L" IS LEFT AND "R" IS RIGHT.
NOTE:
THIS PUMP CAN PULL UP TO 60AMPS OF POWER, ANYTHING LESS THAN 8 GAUGE WIRE WILL OVER HEAT THE PUMP AND COULD CAUSE AN ELECTRICAL FIRE.

-6 JIC HI-PRESSURE OUTLET
1/2 BARB LOW PRESSURE RETURN

NOTE:
IT IS IMPORTANT THAT THE ELECTRIC PUMP IS INSTALLED IN A DRY AND WELL VENTILATED AREA. FRESH AIR IS IMPORTANT FOR COOLING!

USE GM POWER STEERING FLUID 10-5074

IGNITION SWITCH
MIN. 10 AMP SWITCH. THIS ALLOWS YOU TO TURN THE PUMP OFF WHILE STARTING THE MOTOR(S), DRIVING ON LONG STRAIGHT AWAYS OR WHEN IT'S NOT NECESSARY TO RUN. THIS IS A POWER ASSIST SYSTEM WHICH MEANS YOU CAN STEER THE BOAT WITHOUT THE PUMP RUNNING IF NEEDED.

+ FROM BATTERY
USE -8 AWG WIRE

- FROM BATTERY
USE -8 AWG WIRE

+ FROM IGNITION
USE -12 AWG WIRE

DETAIL A
SCALE 1 : 1

NOTE:
THIS PUMP CAN PULL UP TO 60AMPS OF POWER, ANYTHING LESS THAN 8 GAUGE WIRE WILL OVER HEAT THE PUMP AND COULD CAUSE AN ELECTRICAL FIRE.
Step 1
Cut hose square with fine-tooth hacksaw or cut-off wheel. Clean hose bore.

Step 2
Put socket in vise.
Screw hose counterclockwise into socket until it bottoms.
When assembling long lengths of hose, it may be preferred to put hose in vise just tight enough to prevent from turning, and screw socket onto the hose counterclockwise until it bottoms.
Back off 1/4 turn.

Step 3
SWIVEL ENDS: Tighten nipple and nut on assembly tool.
Lubricate nipple and inside of hose liberally. Use heavy oil or Aeroquip 222070 hose assembly lube.

Step 4
MALE ENDS: Screw nipple clockwise into socket and hose. Leave a 1/32" to 1/16" clearance between nipple hex and socket.
SWIVEL ENDS: Screw nipple clockwise into socket and hose. Leave 1/32" to 1/16" clearance between nut and socket.

Note: It is the installers responsibility to have all hose assemblies pressure tested to 2000 psi prior to installation.