

Morse Marine Products

MD-24 TWIN CONTROL HEAD P/N E47966
MD-24 SINGLE CONTROL HEAD P/N E47877

Introduction

These instructions cover only the installation and operation of the MD-24 control head. Instructions covering installation, operation and maintenance of the MD-24 system is supplied with the engine control unit.

A. Locate Control Head

- The MD-24 control head is designed to mount on top of a console or pedestal. When determining the position of the control head, consider the following:
 - Allow clearance for full movement of the control head hand lever. (See figure 1 for dimensions.)
 - The area below mounting surface should allow space for assembly of control to conduit.
 - Conduit must be able to enter control head on center line at base.
- Using template provided, make cutout in mounting surface.
- Twin
 - Remove control cover (2) with screws (25). Note: Cover mounting brackets (27) are removable-caution should be taken to avoid misplacement.
- Single
 - Brackets (16) and screws (15) are packed in hardware kit.
- Position control in cutout and mount using screws (21), flat washers (20), and nuts (19). (Also brackets (16) for single.) See Fig. 3
- Seat conduit 1 inch into control base and clamp in position using screws (18) and nuts (17).

B. Attach cable to control head.

NOTE

Cable ends should be attached to control head before engine unit.

- Thread cable ends through conduit around pulleys (13) to top of drive sheave (6). See figure 2.
- Overlap cables and loop end around pear shaped boss on drive sheave (6) and clamp in place using cable retaining washer (7), lockwashers (8), and screws (9).
- Clamp cable overlap using retaining clip (10), lockwasher (8), and screw (9).

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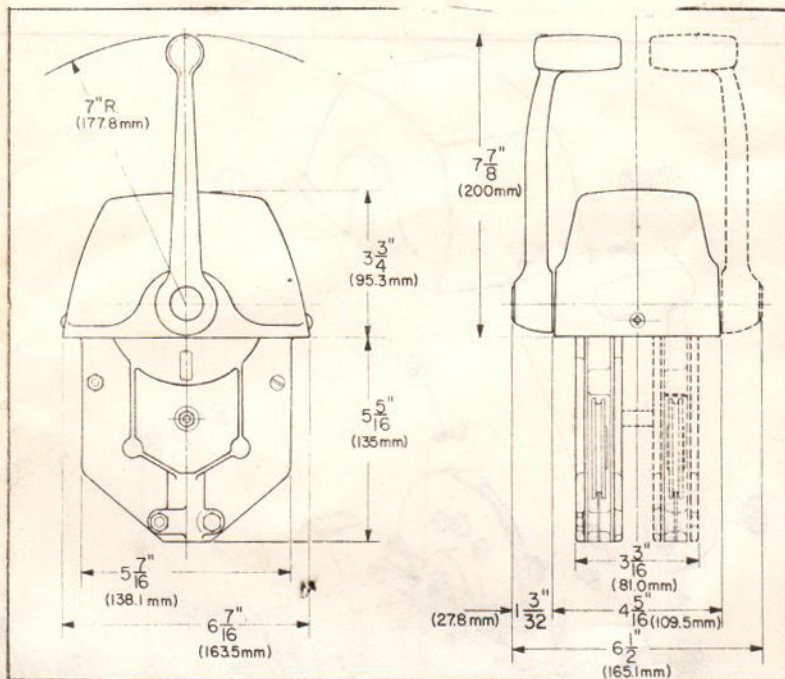


FIGURE 1

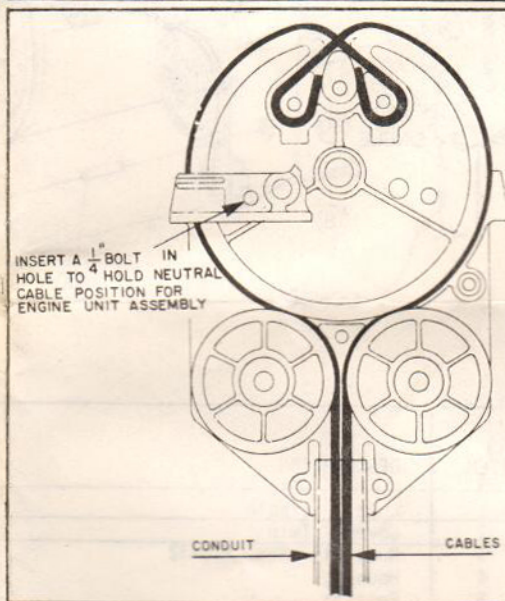


FIGURE 2

C. Adjustment

- All adjustments must be made at engine unit with turnbuckles.
- To maintain cable position when control is in neutral, insert a 1/4" bolt or nail through hole in housing (4) and drive sheave (6). (See Figure 2.)

D. Cover Mounting

- After adjustments are performed, make sure mounting brackets (27) are in place on twin head.
- Secure control cover (2) using screws (25).

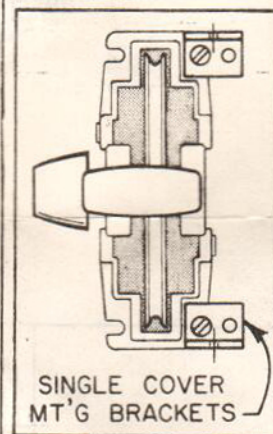
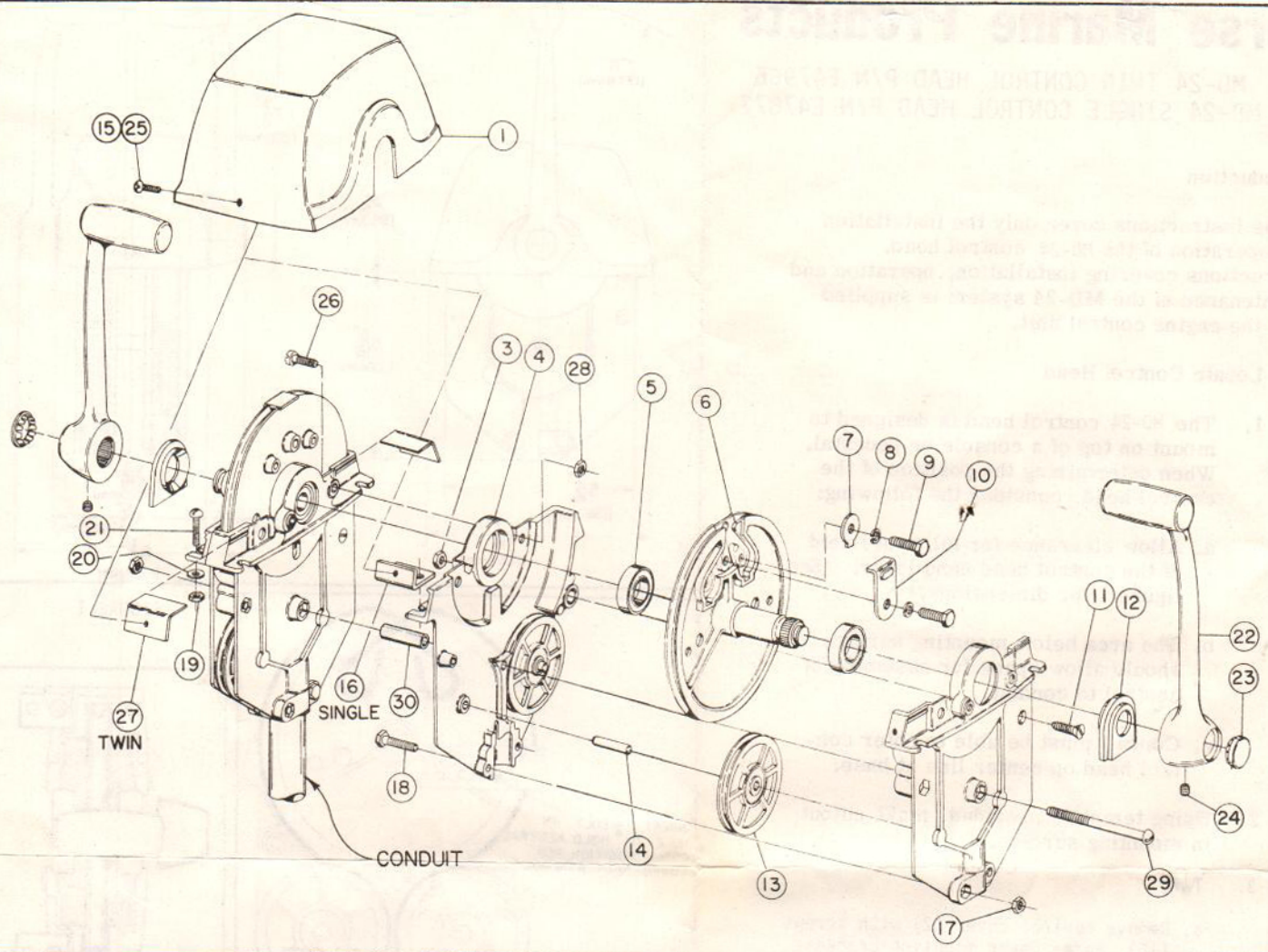


FIGURE 3

**MORSE
CONTROLS**
INCORPORATED

21 Clinton Street
Hudson, Ohio 44236



ITEM	DESCRIPTION	NO REQ'D	SERVICE ASS'Y NO.
1	Cover - Single	1	B300188
2	Cover - Twin	1	D047950
3	Nut, Fin. Hex. #10-32	3	MECHANISM ASS'Y E047968 (2 Req'd for TWIN)
4	Housing	2	
5	Bearing	2	
6	Drive Sheave	1	
7	Cable Retaining Washer	2	
8	Lockwasher, Split 1/4"	3	
9	Screw, Hex. Hd. Cap. 1/4-20 x 5/8" lg.	3	
10	Cable Retaining Clip	1	
11	Screw, Flat Hd. Slot #10-32 x 3/4" lg.	2	
12	Seal	1	
13	Pulley Assembly	2	SINGLE MTG. HARDWARE A063296
14	Pin, Idler Pulley	2	
15	Screw, Phillips Truss Hd. #8-32 x 3/8" lg.	2	
16	Bracket - Single	2	
17	Nut, Hex. 1/4-28	2	
18	Screw, Hex. Hd. 1/4-28 x 1-1/8" lg.	2	TWIN MTG. HARDWARE A063297
19	Nut, Hex. #10-32	4	
20	Flatwasher #10 (13/64 I.D. x 9/16" O.D.)	4	
21	Screw, Rd. Hd. Slot Mach. #10-32 x 1-1/2" lg.	4	
22	Hand Lever	1	HAND LEVER ASS'Y A300191
23	Cap, Hand Lever	1	
24	Set Screw, Hex. Soc. Cup Pt. 5/16-18 x 5/16" lg.	1	
25	Screw-Phillips Truss Hd. #8-32 x 3/8" lg.	2	TWIN HEAD ASS'Y KIT A300194
26	Screw, Soc. Hd. Cap #10-32 x 5/8" lg.	2	
27	Mounting Bracket, Cover Twin	2	
28	Nut-Hex. #10-32	3	
29	Screw, Rd. Hd. Slot. Mach. #10-32 X 3" lg.	1	
30	Spacer	1	

MORSE CONTROLS

INCOM INTERNATIONAL, INC.
INCOM

$\frac{13}{64}$ DIA.

$\frac{13}{16}$

$\frac{5}{16}$

LEVER
SIDE
(SINGLE)

CUTOUT

$5 \frac{9}{16}$

4

SINGLE MD-24
REMOVABLE COVER

B47977

