

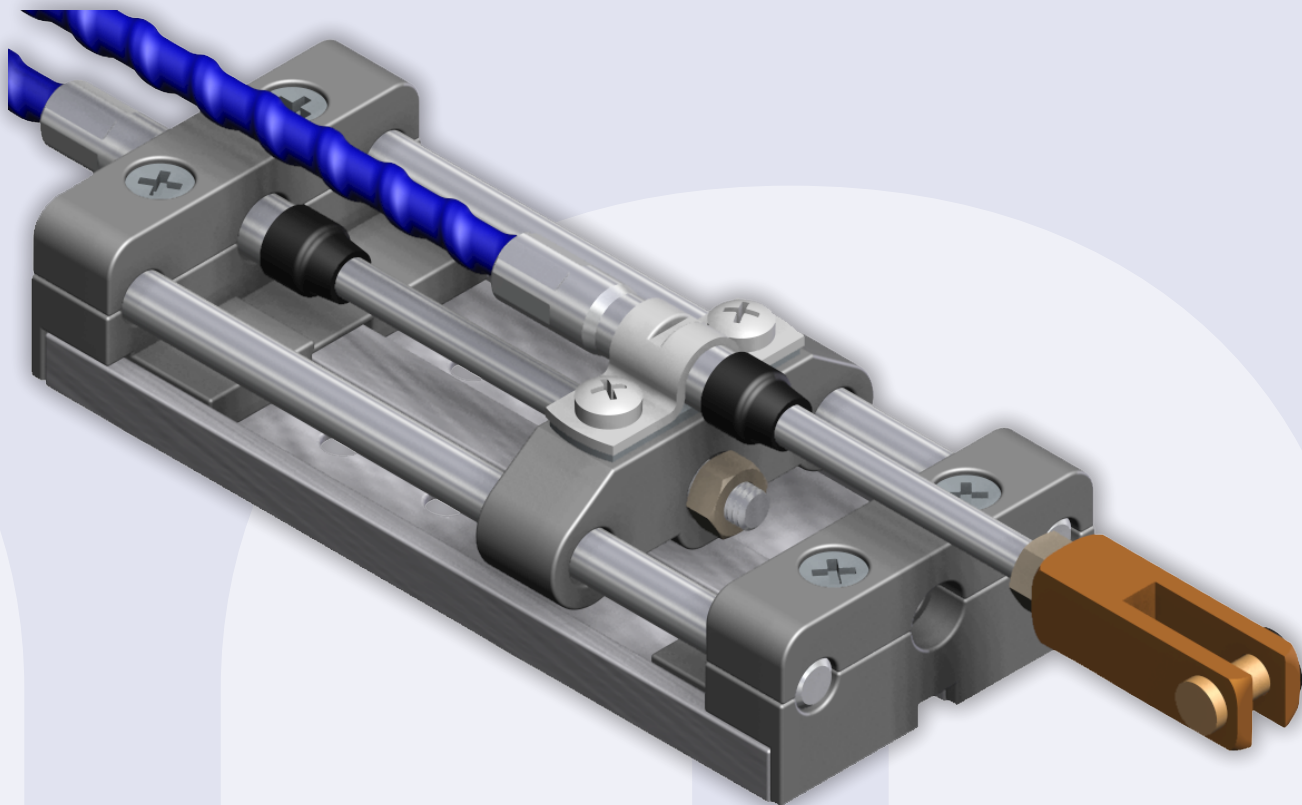
multiflex

BUILT TO LAST

TWIN STATION CONTROL

K-13

Instruction Manual,
Installation And
Maintenance Guide



CE
ISO 9775



MEMBER
ABYC[®]
Setting Standards for Safer Boating

Dear Customer

It gives us immense pleasure to welcome you to the **multiflex** family.

We appreciate your decision to use **multiflex** products. With over two decades of experience, **multiflex** is one of the leading manufacturers of Steering and Control Products for the boating industry.

multiflex products can be sourced in 80 countries through a wide distribution network.

Our range of products includes -

- ▲ Hydraulic Steering Systems
- ▲ Mechanical Steering Systems
- ▲ Electric Power Steering
- ▲ Engine Control Cables & Control Boxes
- ▲ PWC Cables
- ▲ Steering Wheels
- ▲ Boat Trailer Rollers
- ▲ Mooring Compensators

multiflex Steering Products are tested and conform to :

Recreational Craft and Personal Watercraft Directive 2013/53/EU.

Extensive research, innovation and technology allows us not only to ensure reliability and quality of products but also helps us to increase our product offerings to our customers, including customization of products and services.

Our true endeavor is to present you with the best quality products and excellent services, thus building a strong foundation to our relationship with you.

Warm regards,

Team Multiflex

A. ABOUT THE MANUAL



- ▲ The Instruction Manual contains all the essential information for the users regarding the purchased Multiflex product. This document is to be given along with the product.
- ▲ ALL RIGHTS ARE RESERVED. Distributing Rights, Part Numbers, Pictures, Text or any content of Multiflex products incorporated in this Instruction Manual property of Multiflex.
- ▲ Use this product only for its intended use as described in this Instruction Manual.
- ▲ This Instruction Manual itself is an important part of the purchased Multiflex product.
- ▲ The Instruction Manual includes - Description of the Products, Safety Warnings and Step wise Procedures for Handling, Assembling, Installation, Maintenance, Disassembling and Replacement of the Products.
- ▲ The user must be aware of the content of this Instruction Manual. No activities regarding the product (like its Assembling, Disassembling, Maintenance, Transport etc.) should be carried out without carefully reading this Instruction Manual.
- ▲ Immense care has been taken in collecting and checking the information contained in this Instruction Manual to make it as accurate and understandable as possible.

Nothing in this Instruction Manual should be understood as a warranty or a guarantee for the products. Nothing contained in this Manual can be interpreted as an amendment or confirmation of the terms of any purchase contract.

Multiflex reserves all the rights to alter the Instruction Manual format if another format is more suitable for the particular product.

Multiflex takes no responsibility for any possible mistakes due to printing errors in this Manual.

NOTE : It is very important to read this Instruction Manual carefully before carrying out any activities involving the product, its handling and unloading.

B. DOCUMENT REVISIONS



REV.	DATE	REVISION DESCRIPTION
1	JUNE-2021	Twin Station Control K-13

C. SAFETY SYMBOLS

The following Symbols / Terms define the various HAZARD identifications in this Instruction Manual to ensure User Safety and to assure correct Installation and Operation of the Product.



DANGER :

The “DANGER” symbol indicates an immediate hazardous situation which, if not avoided, will result in death or serious injury.



WARNING :

The “WARNING” symbol indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION :

The “CAUTION” symbol indicates attention to unsafe practices which, if not avoided, could result in minor or moderate injury or component damage.



NOTICE :

The “NOTICE” symbol indicates important information for the correct installation and for maintenance that does not cause personal injury or component damage.



SKILLED LABOUR REQUIRED :

The adjacent symbol indicates that all the activities should be carried out by a Professional Marine Technician.

D. SAFETY WARNINGS



It is very important to read this section carefully to avoid any personal harm or injury and also to prevent machinery damage.

Multiflex shall not be responsible for any damage because of the user's negligence.

NOTE : It is advised to read the other manuals as well which are provided with the Steering System Components.

DANGER :

- ⚠ DO NOT PUT YOUR HANDS BETWEEN MOVING PARTS.
- ⚠ Do not disable the safety devices.
- ⚠ Do not use this equipment for a purpose different from the one it has been designed for, which is specified in the Installation and Maintenance Manual.
- ⚠ Do not let unskilled staff perform the Installation.

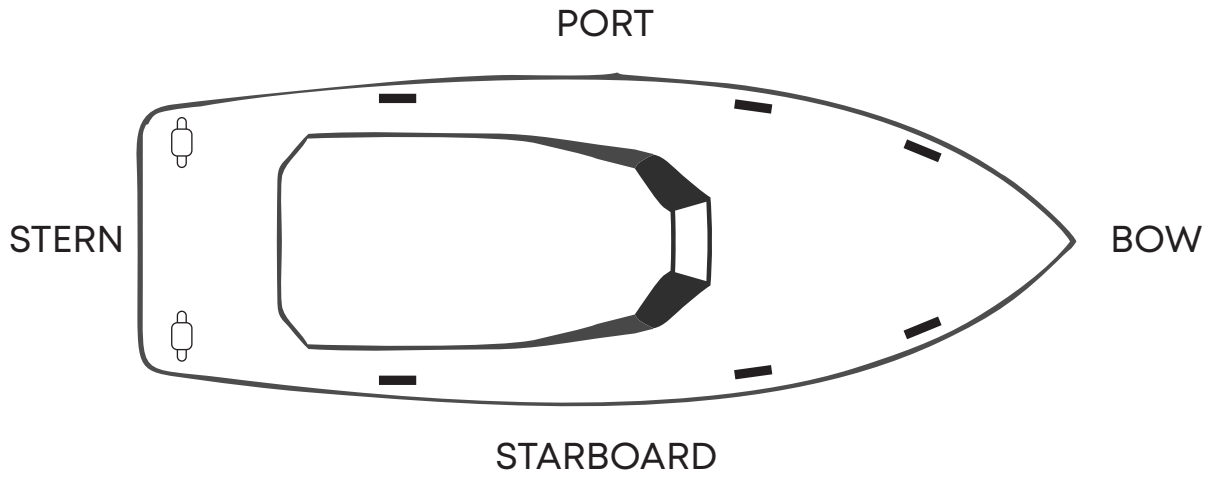
 **WARNING :** DO NOT operate boat if any component is not in proper working condition.

SAFETY RULES :

DURING INSTALLATION :

- ⚠ DO NOT modify or substitute any component without written approval from Multiflex.
- ⚠ Conform with all system ratings / regulations.
- ⚠ Mechanical Steering System must be compatible with the engine / engines installed.
- ⚠ There should be **NO** interference between the Mechanical Steering System, Tie-bar and the Transom, Splash-well or Outboard engine or any combination of these parts by performing the following steps.
 - ⚠ With Engine fully tilted DOWN, turn Steering Wheel from hard over to hard over and confirm that **NO** interference occurs.
 - ⚠ Follow this above step for Engines tilted up.
- ⚠ Never use a wire coil type trim switch with a Mechanical Steering System . This may lead to winding up the wire tight around the Steering Wheel shaft which will avert further Steering.

E. NAUTICAL WORD REFERENCE



F. WARRANTY



PRODUCT WARRANTY

MULTIFLEX* warrants all products for a period of One (1) year from the date of purchase by the consumer or Two (2) years from the month of manufacture. In both cases, serial number of the product or kit should be shared with Multiflex. Multiflex products are to be free from any defects due to material or manufacturing workmanship. This will be subject to exclusions listed below. Improper installation automatically voids this warranty. Installation is to be performed by a qualified marine technician only. Should the products be altered / disassembled in any manner the warranty shall be void.

If the products are used commercially or in any rental or income generating activity, the warranty shall be:

- ▲ For Mechanical Product: 90 days/3 months from the date of purchase
- ▲ For Hydraulic Product: 180 days/6 months from the date of purchase

(It is mandatory to provide proof of purchase for warranty claim. No claim shall be entertained without the proof of purchase)

EXCLUSION

- ▲ Failure caused by normal wear and tear, climate conditions, miss-use, neglect, lack of proper maintenance, accidents, fire, racing, overloading, modification, beaching or grounding of vessels, collision, impacts, towing, use during war or hostilities, commercial use
- ▲ Components not manufactured by MULTIFLEX
- ▲ Cost of removal, re-installation of any component (including components manufactured by MULTIFLEX) disassembly or reassembly of any parts, units or products containing the component
- ▲ Components not manufactured by MULTIFLEX whether warranted by the other manufacturer
- ▲ Any product that has not been properly and professionally installed
- ▲ Any product that has been installed other than as recommended in our installation or operation instructions or specifications
- ▲ Has been used on boat / engine combination where the engine horsepower exceeds the rating defined by the boat manufacturer
- ▲ Has been used with other products that in the opinion of Multiflex are not compatible

LIMITATIONS

The repair or replacement of any defective parts shall be the PURCHASERS SOLE and EXCLUSIVE Remedy and MULTIFLEX's sole and exclusive liability under this warranty. LABOR FOR ANY REMOVAL, REINSTALLATION OR REPLACEMENT IS NOT INCLUDED. MULTIFLEX's obligation under this warranty is limited to the repair or replacement of product identified by MULTIFLEX as defective, when delivered by the purchaser pursuant to written authorization and instructions from MULTIFLEX. Shipping will be prepaid to MULTIFLEX 's manufacturing facility or any other designated plant or repair facility. Repaired or replaced items are warranted as provided herein for the unexpired portion of the applicable warranty period.

THIS WARRANTY, AND THE RIGHTS AND REMEDIES UNDER IT, IS EXCLUSIVE AND IS GIVEN IN PLACE OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED. INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, WHETHER ARISING BY LAW, CONDUCT OR USAGE OF TRADE, PURCHASER'S REMEDIES SHALL BE LIMITED AS STATED HEREIN AND MULTIFLEX SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES OR LOSSES RESULTING FROM DEFECTS. ANY ADDITIONAL SELLERS BE IT WHOLESALE OR RETAIL ARE NOT A CO-WARRANTOR AND ARE NOT AUTHORIZED BY MULTIFLEX TO AMEND OR MODIFY THIS LIMITED WARRANTY IN ANY MANNER.

MULTIFLEX employees or associates or representatives oral or any other written statements shall not constitute warranties and should not be relied by the customers and are not part of the warranty stated herein.

WARRANTY MAY NOT BE TRANSFERRED TO SUBSEQUENT PURCHASERS.

MISCELLANEOUS

MULTIFLEX reserves the right to make changes in the design, construction, and manufacturing of its products at any time without notice and without any obligation to incorporate such changes into products of prior manufacture. This limited warranty applies to new components only sold by MULTIFLEX and its group. This limited warranty contains the entire agreements between MULTIFLEX and its group and the purchaser and supersedes all prior agreements, discussions, negotiations, commitments, and representations, whether oral or written, between them regarding MULTIFLEX and its group's warranty.

OUR PRODUCTS ARE NOT INTENDED FOR USE IN RACING APPLICATIONS WHETHER PROFESSIONAL AMATEUR. OUR WARRANTY DOES NOT COVER LABOR, TOWING, OR ANY OTHER ASSOCIATED EXPENSES. FURTHER, IT DOES NOT COVER PRODUCTS THAT HAVE BEEN IMPROPERLY INSTALLED, DAMAGED DURING INSTALLATION, MISAPPLIED, OR MISUSED.

MULTIFLEX shall be THE SOLE ENTITY FOR DETERMINATION OF A DEFECTIVE PRODUCT. DEFECT WILL NOT BE DETERMINED UNTIL SAID PRODUCT HAS BEEN INSPECTED BY MULTIFLEX AND ITS GROUP AT THEIR MANUFACTURING FACILITY SPECIFIED AT TIME OF CLAIM.

Any product that is presumed to be defective should be reported to MULTIFLEX and its group within 48 hours of discovery. Upon notification MULTIFLEX and its group will attempt to troubleshoot the problem with our customer over the phone / email. If we are unable to resolve the problem MULTIFLEX and its group will issue a Returns Material Authorization Code and ask that the product in question be sent back to MULTIFLEX and its group specified facility with all parts and original packaging. All returned products must be returned freight prepaid.

If any part of the Limited Warranty is determined to be void or illegal the remainder shall remain in full force and effect.

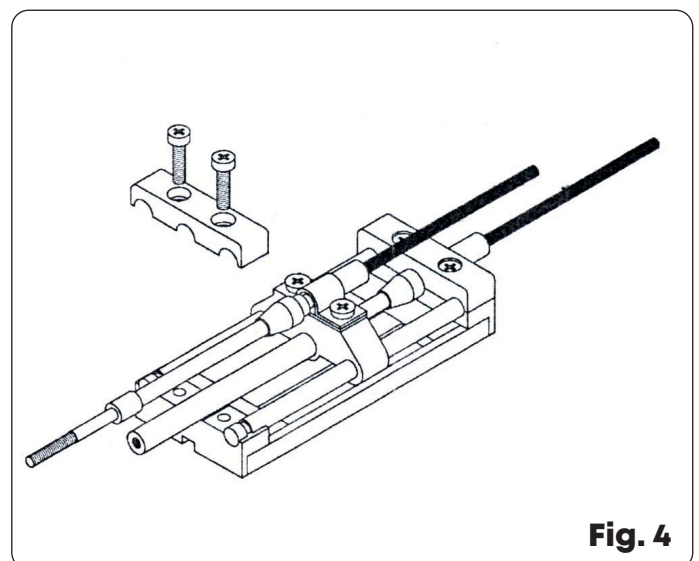
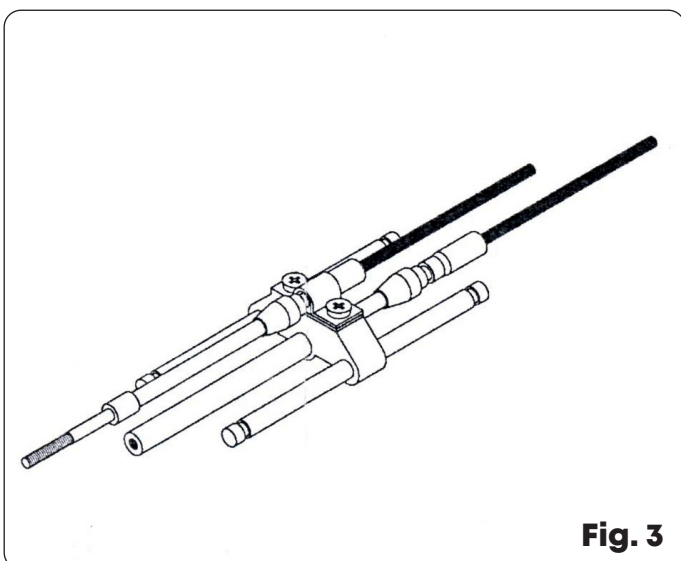
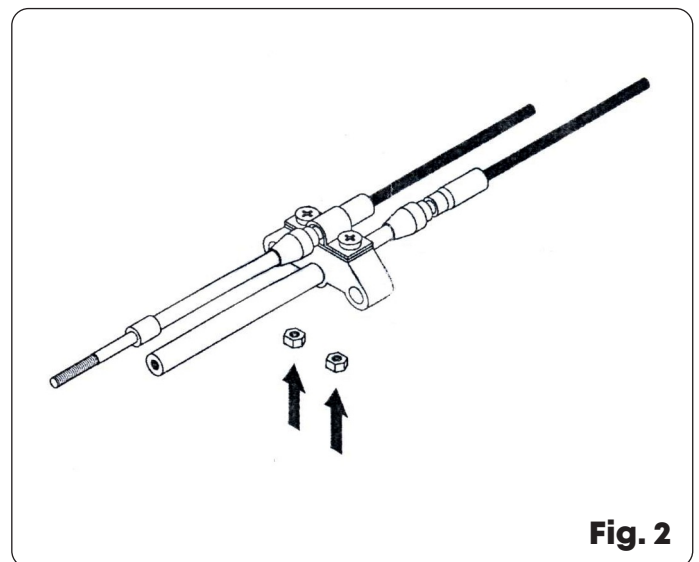
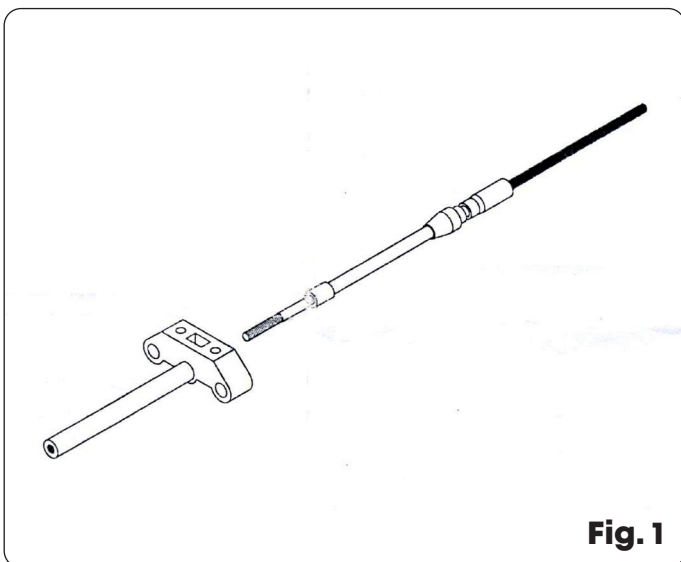
If you need to begin the warranty process, please email what your product is, current issue, name and contact number to **technical@multiflexmarine.com**

A team member will review your inquiry and get back to you within 48 hours.

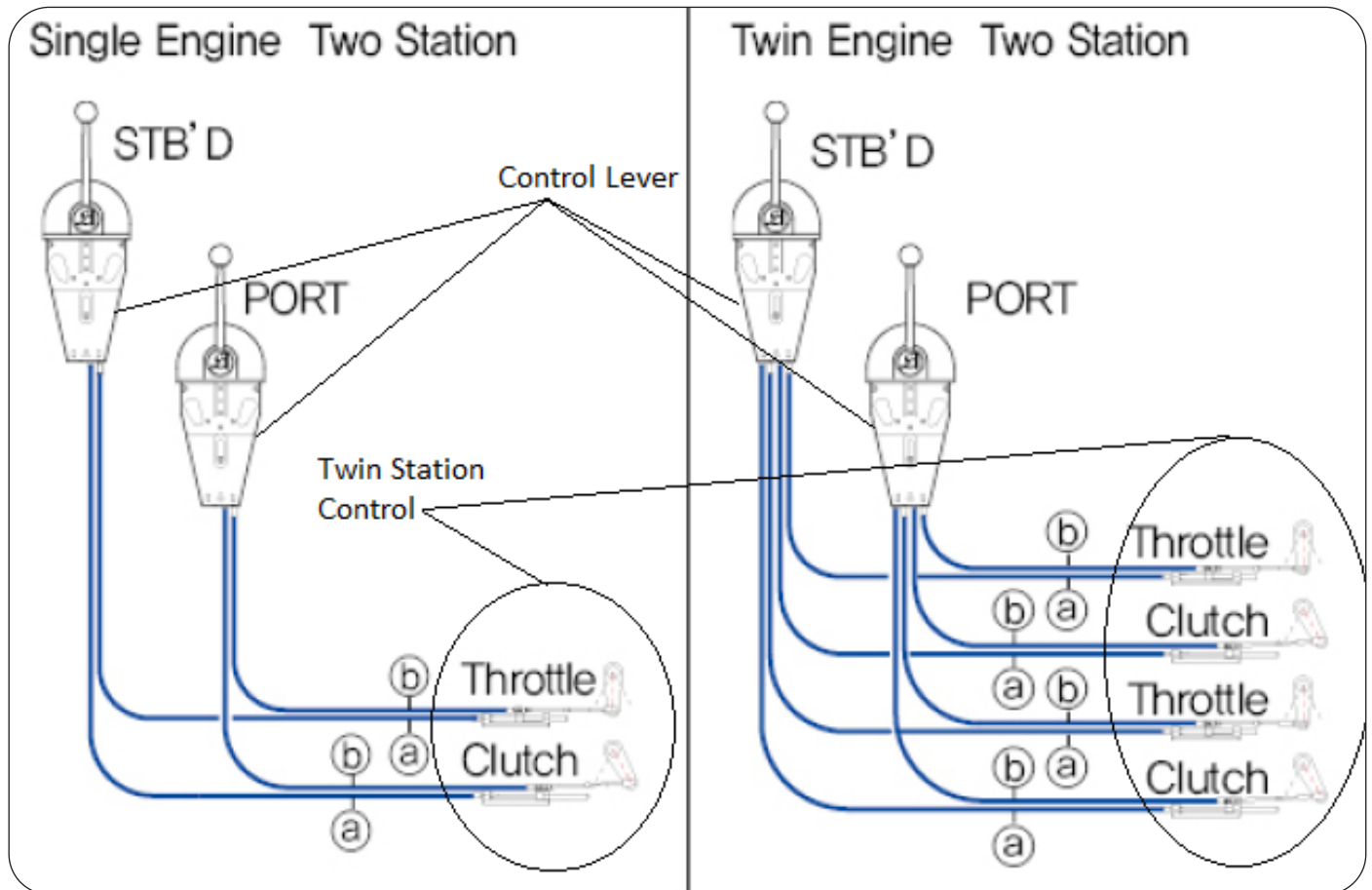
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INSTALLING TWIN STATION CONTROL

1. Remove both the Screws on the Plastic Cap from the Cable Mounting Side of Twin Station Control.
2. Remove the Plastic Base Plate
3. Remove the Slider Mechanism from the assembly
4. Screw the End Rod of First Control Cable in the slider. (Refer Fig. 1)
5. Remove the Clamp from Slider Mechanism, fix the Second Control Cable & fix it to Clamp. Refer Fig 2.
6. Insert the Slider Mechanism to Sliding Rods.
7. Insert the Base Plate to the assembly.
8. Fix the Conduit Cap of First Control Cable on the slot provided on the Base Plate & Plastic Cap with the screw provided. Refer Fig 3.
9. Screw the End Rod of Second Control Cable at the Connection Kit provided. (Refer Fig. 4)



APPLICATION OF THE TWIN STATION CONTROL



Warning on dual station unit usage:

The dual station unit usage needs precise conditions of installation.

The running principle of the selector based on the difference of movement resistance opposed by control lever with relative cables and which the selector works.

1. The right running results when the resistance opposed by each control is higher than the one opposed by the engine reverse gear on which the selector works.
2. On the contrary, starting the from one of the driving places, instead of moving the lever on the engine, we get the control lever shifting of the other driving place.
3. Therefore, when the installation is ended, it is necessary to check the running, starting several times from one driving station and then from the other.
4. In case the anomalous condition, described in paragraph "2", occurs it is necessary to increase the lever braking or to stop, with external means, in neutral position, the lever which is dragged.

UPGRADE TO **multisteer** HYDRAULIC STEERING SYSTEM



Hydraulic Steering System
for Engines up to 115 Hp : OH-115



Hydraulic Steering System
for Engines up to 175 Hp : OH-175



Hydraulic Steering System
for Engines up to 250 Hp : OH-250



Hydraulic Steering System
for Engines up to 350 Hp : OH-350



Hydraulic Side Mount Steering System
for Engines up to 300 Hp : SH-300

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