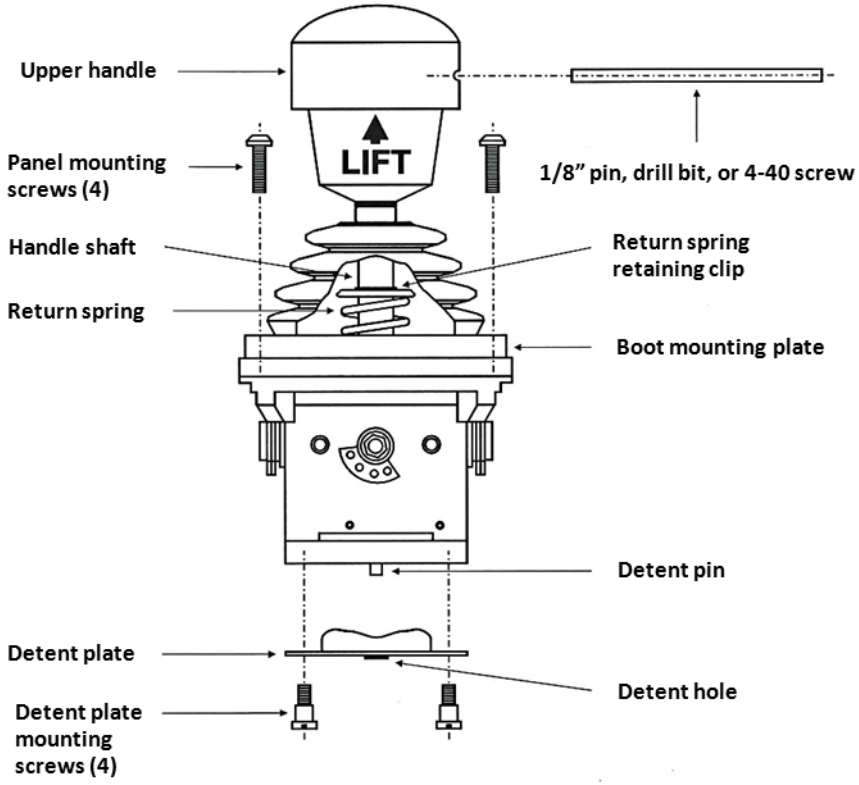
Information Bulletin

OEM CONTROLS

JS-5 Maintained Center Detent

Type JS-5 controllers provided with the maintained center detent feature must be inspected and serviced regularly to insure proper operation.

WARNING: *The maintained center detent feature, if properly maintained, will withstand a static load of 75 pounds. However, if accidental operation of the controller could cause equipment damage or personal injury, additional physical guarding of the controller is strongly recommended to protect against sharp blows to the controller handle.*



Type JS-5 Controller with Maintained Center Detent

Handle Removal and Installation Procedure

Type JS-5 controllers provided with maintained center detent feature a free-spinning upper handle to help prevent inadvertent loosening. To remove the upper handle, insert a pin, a drill bit or a 4-40 screw 3/4" into the hole in upper handle as shown. If the pin, drill bit or screw does not go 3/4" into the upper handle, rotate the cap until it does. The upper handle may now be removed by rotating it counterclockwise approximately seven full turns. Reverse the procedure to reinstall the handle. Be sure to firmly tighten the upper handle.

WARNING: **THE MAINTAINED CENTER DETENT WILL NOT LOCK IN THE CENTER POSITION IF THE HANDLE IS NOT TIGHTENED ADEQUATELY.**

SEE WARNING ON REVERSE SIDE

OEM CONTROLS

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Testing Procedure

*Prior to **EVERY** usage, the operator must check the maintained center detent operation. Before testing, **be sure that the machine is off** and the controller is not functional.*

1. ***Without lifting** the lower portion of the handle, push the handle firmly in all directions of operation. If the handle moves from the center position, see "Troubleshooting Procedures".*
2. *Lift the lower portion of the handle, then release. Repeat step #1 above. If the handle moves from the center position, see 'Troubleshooting Procedures".*
3. *Lift the lower portion of the handle, push the handle to the end of travel in any direction of operation, then release the handle. Repeat the movement in other directions of operation. Each time the handle is released, it should firmly lock in the center position. If it does not do so, see 'Troubleshooting Procedures".*

Safety Inspection and troubleshooting Procedures

Symptom	Inspection Procedure	Problem Found	Corrective Action
Controller operates without lifting lower handle.	Inspect detent plate to be sure detent pin protrudes through detent hole.	Detent pin does not protrude through detent hole.	Tighten upper handle and retest.
	Remove detent plate and inspect detent pin and detent plate for wear or damage.	Worn or damaged detent pin or plate.	Return to factory for service.
Detent pin does not reseat in detent hole after lifting lower handle or operating controller.	Inspect detent plate to be sure that detent pin protrudes through detent hole.	Detent pin does not protrude through detent hole.	Tighten upper handle and retest.
	Remove detent plate and inspect detent pin and detent plate for wear for damage.	Worn or damaged detent pin or plate.	Return to factory for service.
	Remove detent plate and inspect for debris or obstructions.	Debris or obstruction will not allow pin to reseat.	Remove debris or obstruction and retest.
	Remove controller panel mounting screws, raise boot mounting plate and inspect return spring and return spring retaining clip.	Return spring is damaged.	Replace return spring and retest.
		Return spring retaining clip is dislodged from retaining clip groove on handle shaft.	Compress return spring, replace return spring retaining clip and retest.

WARNING: IF THE PROCEDURES LISTED ABOVE DO NOT CORRECT THE PROBLEM, RETURN THE CONTROLLER TO THE FACTORY FOR SERVICE. DO NOT OPERATE EQUIPMENT IF THE MAINTAINED CENTER DETENT MECHANISM IS NOT FUNCTIONING PROPERLY.

WARNING: It is the purchaser's responsibility to determine the suitability of any OEM Controls product for an intended application, and to ensure that it is installed and guarded in accordance with all federal, state, local and private safety and health regulations, codes and standards.

Due to the unlimited variety of machines, vehicles and equipment on which our controls are used, and the numerous standards which are frequently the subject of varying interpretation, it is impossible for OEM Controls personnel to provide expert advice regarding the suitability of a given controller for a specific application. The flexibility of our products allows us to offer thousands of custom configurations. We can advise you of the various features that are available and you can examine models to see what meets your needs. We believe our customers' engineering departments should be the qualified experts in their own product field. If the product will be used in a safety critical application, the customer must undertake appropriate testing and evaluation to prevent injury to the ultimate user.

Should you have any questions or if any of the above warning is unclear, please contact OEM Controls at 10 Controls Drive, Shelton, CT 06484, FAX: 203.929.3867, TEL: 203.929.8431.

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