

# SEGA

## SERVICE BULLETIN

SEGA Service Department  
45133 Industrial Drive  
Fremont, Ca. 94538

<http://www.seuservice.com>  
Phone: 415.701.6580  
Fax: 415.701.6594



**This bulletin effects ALL Brave Fire fighter games.**

**PROBLEM:** *ASSY NOZZLE becomes severly damaged (i.e. severed) when excessive force is applied to NOZZLE. Whether to dropping, excessive abuse, or other sharp impact to end portion.*

**SOLUTION:** *Create needed support/fix for ASSY NOZZLE with a hollow threaded lamp screw.*

*NOTE: To perform work, a Phillips screwdriver, wrench for M3 Nut, wrench for M4 Nut, wrenches for hexagonal nut (width across flats 14&50mm) and a Hexagonal wrench (width across flats 2mm) are needed. When the wrench width across flats 50mm is not available, use an alternative Pliers that can pinch the same size of the nut.*

### **To remove HOSE ASSY from cabinet.**

1. Turn power off for safety.
2. Take off 4 truss screws and remove the removable side of the Panel Lid from the Control Cabinet.
3. Take off a screw from the inside where panel Lid is removed to take off a Shoulder Pin.
4. Disconnect the connector from the Inner Hose Bracket.
5. Take off 4 Flange Nuts to remove the Inner Hose Brackets A and B from the Control Cabi. At this time, remove Earth Terminal fastened by the Nut.
6. Take off 2 screws, loosen a Hexagon bolt, and seperate Inner hose Bracket A from B. When reassembling, match the notch portion of the Inner Hose Bracket A& B anf Nut fastening part's flat surface.
7. Take off the Nut which secures the Hose to remove the Nozzle Controller together with the hose from the Control Cabinet.

### **To remove the NOZZLE CONTROLLER from the HOSE ASSY.**

8. Take off 2 set screws to remove the hose from the Nozzle controller.
9. Take off 2 set screws to remove the END RING fro the Nozzle Controller
10. Take off 4 screws which are on the center line of Nozzle Controller's one side. At this time, leave the 4 screws of the other side.
11. Take off 4 pairs of Screw and Nut from the strap installing portion.
12. Take off the 2 screws which secure ASSY NOZZLE.
13. Take out the ASSY NOZZLE slowly to point where the metallic parts inside ASSY NOZZLE appears.
14. Remove one side of the body.
15. Disconnect the connector of ASSY NOZZLE.
16. Remove ASSY NOZZLE from the body.

*If you have any questions please contact the SEGA Service Department at the numbers given above.*

**BREAKDOWN OF REPAIR KIT PARTS - NOTE: ASSY NOZZLE NOT SUPPLIED.**



- ① You must first remove the wiring from the NOZZLE ASSY, by depinning one side of the wire harness. Be sure to tape that end so it does not catch on the edges and become damaged.
- ② Next insert the lamp screw into the ASSY as shown at right using one flat washer, one star washer and one bolt per side.
- ③ Fasten securely (using blue loctite to ensure ASSY does not come apart through normal use).
- ④ Rethread Wire Harness through Lamp screw, and reassemble using the reverse of directions provided on previous page.
- ⑤ It will be a good idea to protect the wire bundle by taping the portion that may come in contact with Lamp screw edge to prevent excessive wear on Wire Harness, due to chaffing.

