

A SUMMARY OF WEAPON PROBLEMS WITH POSSIBLE SOLUTIONS

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| SABER | FOIL | EPEE |
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| <p>Non-valid light is constantly on:</p> <ul style="list-style-type: none"> • Bodycord not plugged into saber/reel • Broken wire in bodycord/reel • No short in saber socket | <p>Non-valid light is constantly on:</p> <ul style="list-style-type: none"> • Bodycord no plugged into foil/reel • Broken wire in foil/bodycord/reel • Tip jammed in barrel | <p>“Air” touches:</p> <ul style="list-style-type: none"> • Intermittent internal short of the wires due to a loose barrel • Metallic flake inside point • Loose wires in the guard socket |
| <p>Non-valid light lights intermittently:</p> <ul style="list-style-type: none"> • Broken “B” and/or “C” conductors in bodycord • Saber not assembled tightly • Loose connection between bodycord and guard socket • Loose bodycord screws • Loose guard sockets | <p>Intermittent non-valid light:</p> <ul style="list-style-type: none"> • Broken wire in foil/bodycord/reel • Loose handle/barrel/tip screws • Loose screws in body cord plugs • Loose connection between bodycord and guard socket • Loose guard sockets | <p>Scores a hit on a grounded strip:</p> <ul style="list-style-type: none"> • Broken/disconnected ground wire • Non-conductive strip • Contact spring is too long • Non-conductive substance on epee tip • Broken shaft in epee tip |
| <p>Cannot score (no light):</p> <ul style="list-style-type: none"> • Opponent’s metallic jacket/mask/gauntlet are non-conductive • Opponent’s bodycord “A” conductor is broken • Broken bodycord “B” or “C” conductors • Non-conductive coating on saber blade • Saber blade isolated from guard | <p>Cannot score (no light):</p> <ul style="list-style-type: none"> • Opponent’s metallic jacket is non-conductive or is non-conductive where grounding clip is attached • “A” conductor defective • Bodycord conductors are reversed | <p>Scores a hit on opponent’s guard:</p> <ul style="list-style-type: none"> • Broken “C” conductor in opponent’s body cord or reel • Loose “C” socket in opponent’s guard socket • Opponent’s guard is “non-conductive” • Contact spring is too long • Non-conductive substance on epee tip • Broken shaft in epee tip |
| <p>Hit scored on blade:</p> <ul style="list-style-type: none"> • Guard is improperly insulated or held against lame • Handle is uninsulated and glove is damp | <p>Fails the 500g weight test:</p> <ul style="list-style-type: none"> • Weak pressure spring • Barrel dented or out-of-round • Tip tape is too thick | <p>Fails the 750g weight test:</p> <ul style="list-style-type: none"> • Weak pressure spring • Barrel dented or out-of-round <p>Fails the 0.5mm shim test:</p> <ul style="list-style-type: none"> • Contact spring is too long |
| | | <p>Cannot score (no light):</p> <ul style="list-style-type: none"> • Broken wire in epee, bodycord, or reel • Blade wire broke at guard socket • Contact spring too short or bent • Internal short in epee • Body cord wired incorrectly (i.e. “A” and “C” conductors switched) |