Sega Service
9/10/02

Gun ll Input Protection Board:

Thank you for purchasing the New Gun ll Input Protection Board. Please be aware this board is not intended to fix a defective Gun or Gun Sense Board. Before installing this board the Gun and it's associated circuit must be in good working order.

The objective of this Gun Input Protection Board is to prevent or minimize damage that may occur to the Gun Sense and Led boards.
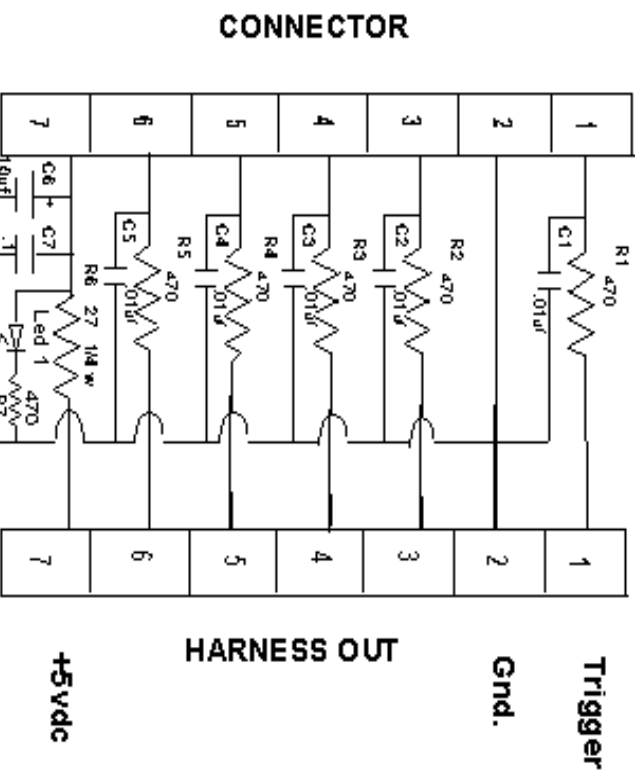
Installation:

1. Turn Power to the Game OFF.
2. Located Player 1and Player 2 Gun inputs (GUN1P and GUN2P) on the Gun Sense board.
3. Unplug both Gun harnesses that plug into the Gun sense board
4. Remove the Gun Input Protection Board (GIPB) from its package. From the GIPB, plug the harnesses labeled GUN1P and GUN2P into the Gun Sense board.
5. Plug Player 1 (Blue Gun) into connector labeled GUN1P on the Gun Input Protection Board.
6. Plug Player 2 (Red Gun) into connector labeled GUN2P on the Gun Input Protection Board.
7. Using the four screws and spacers (provided) mount the Gun Input Protection Board in a convenient location next to the Gun sense board.

Finally:

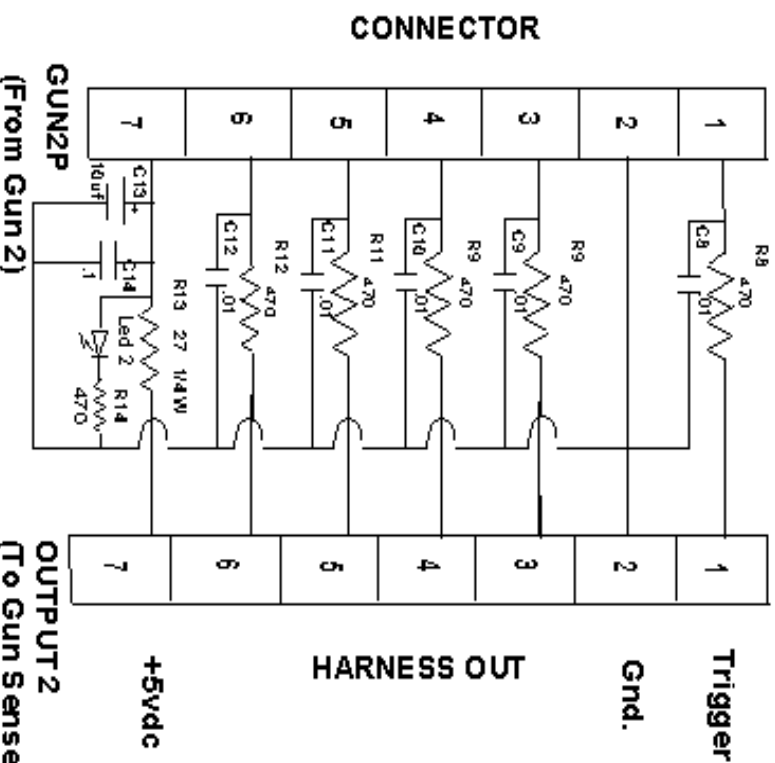Enter Self-test, select Gun Settings and calibrate the Gun settings.

Again, thank you for supporting Sega Enterprises and if you have any questions please call Sega Service at 415 701 6580.

CONNECTOR

GUN2P
(From Gun 2)

| 7 | 6 | 5 | 4 | 3 | 2 | 1 |

C13 10uf
C14 .1
Led 2 470
R14 470
R13 27 1/4W
R12 470
C12 .01
R11 470
C11 .01
R10 470
C10 .01
R9 470
C9 .01
R8 470
C8 .01

| 7 | 6 | 5 | 4 | 3 | 2 | 1 |

OUTPUT 2
(To Gun Sense Board)

+5vdc · HARNESS OUT · Gnd. · Trigger

CONNECTOR

GUN1P
(From Gun 1)

| 7 | 6 | 5 | 4 | 3 | 2 | 1 |

C6 10uf
C7 .1
Led 1 470
R7 470
R6 27 1/4 w
R5 470
C5 .01
R4 470
C4 .01
R3 470
C3 .01
R2 470
C2 .01
R1 470
C1 .01uf

| 7 | 6 | 5 | 4 | 3 | 2 | 1 |

OUTPUT 1
(To Gun Sense Board)

+5vdc · HARNESS OUT · Gnd. · Trigger

R1,R2,R3,R4,R5,R7,R8,R9,R11,R12,R13		470 OHM 1/8w
R6,R13		27 OHM 1/4w
C1,C2,C3,C4,C5,,C8,C9,C10,C11,C12.		.015uf 16v
C7,C14		.1uf 16v
C6,c13		10uf 16v
Harness	(Output 1 & 2)	
Connector	Gun1P & Gun2P	7B-XH-A

Gun Input Protection Board