

ILLUMINATED HANDLE MECH BALL

SUZO  HAPP®

GAMING, AMUSEMENT AND INDUSTRIAL COMPONENTS



**Order Number: 12-1708
Version 1.0/ June 2009**

Warning: In case of removal of the end caps do not look straight into the LED's since this may cause serious eyes injuries!

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Mounting instructions.

Before you place the Illuminated Handle Mech Ball, we advise you to read the manual carefully.

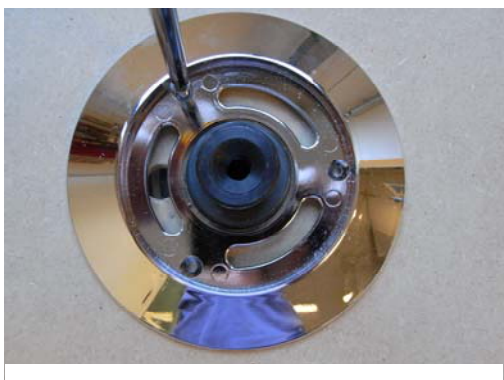
The driver board as close to the handle mechanism places. The cable of the handle serves by means of a hole in the machine to within to be brought. The new models of the cover plate (part number 12-1520-8) and the hub (part number 12-1220-8) are specially prepared for the Illuminated Mech Ball



Note the position of the hole through the cover plate. The best position is in the middle in front of the handle mechanism.



Drill a hole of 13 mm, then the cable just past the handle mech.



Screw the cover plate in the correct position with 3 screws.

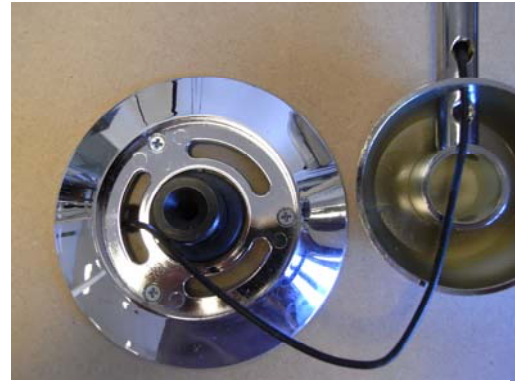


Bring the cable through the first hole of the hub.

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Push the handle in the hub to the second hole.



Insert the cable through the plate by the drilled hole.



Pull the cable through the hole to go inside. The cable along the top to around the axis is necessary.



Slide the handle into the hub and push the handle in the hole of the shaft. The cable on the inside gently on to win.



Turn the handle in the correct position and push the handle down so far that the threads in front of the hole is for the bolt to rotate.



Place the driver board on a suitable place in the machine.

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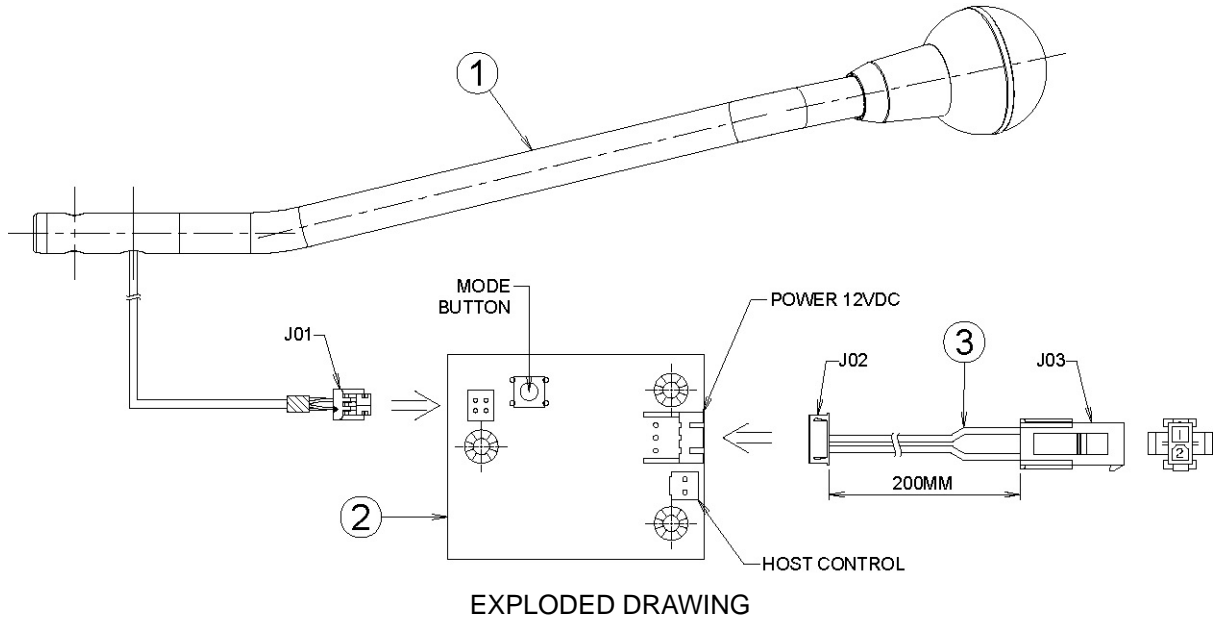
Part number 12-1520-8
Cover plate Chrome Handle Mech



Part number 12-1220-8
Smooth Hub Chrome

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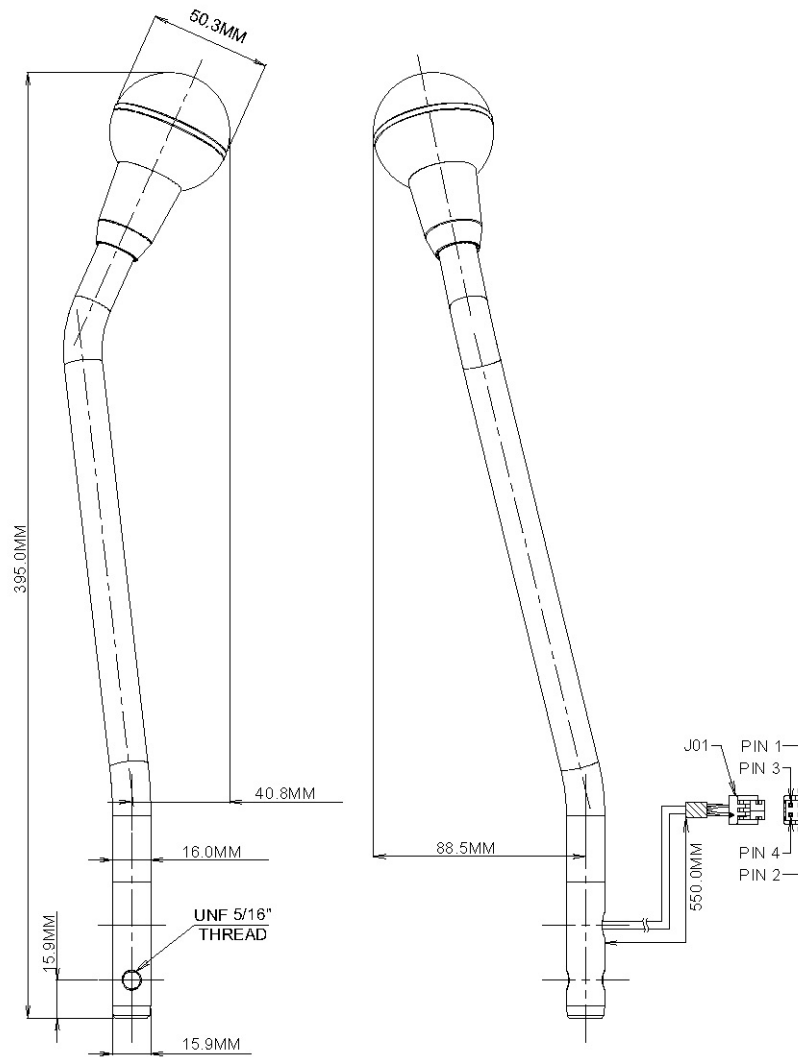
ITEM	P/N	DESCRIPTION
1	12-1110	ILLUMINATION HANDLE
2	12-1111	PCBA FOR ILLUMINATION HANDLE
3	12-1112	POWER CABLE FOR ILLUMINATION HANDLE
OPTIONAL	104-0069	HOST CONTROL CABLE



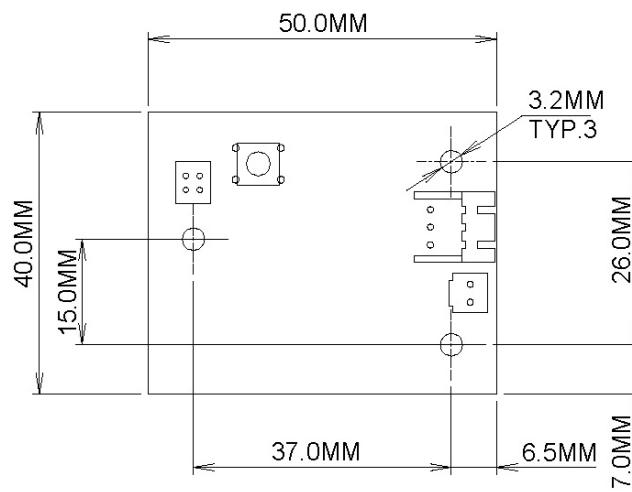
REF.	WIRE COLOR	DESCRIPTION	PIN	HANDLE CONNECTOR TYPE	MACHINE CONNECTOR TYPE
J01	BLACK	12VDC	1	JST 2.0 PHD CONNECTOR PHDR-04VS (CABLE) B4B-PHDSS-B (PCBA)	-
	YELLOW	LED (BLUE)	2		
	RED	LED (RED)	3		
	GREEN	LED (GREEN)	4		
J03	BLACK	GROUND	1	MOLEX MALE 39-01-2021 TERMINAL: 39-00-0040	MOLEX FEMALE 39-01-2020 SOCKET: 39-00-0039
	ORANGE	12 VDC	2		
J4 (HOST CONTROL)	-	GROUND	1	MOLEX HEADER 70553-0001	MOLEX HOUSING 50-57-9402 #70058 (TERMINAL)
	-	TXD/RXD	2		

Note: Host control cable not included with product.

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HANDLE DIMENSION



PCB DIMENSION

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Features:

- The ball handle can be illuminated in 3 preset patterns and different colors, by 2 patterns controlled from the host machine.
- Flashing or glowing or solid light in different colors is possible.
- This new product lightens the dark gap between the slot machines.
- A durable sonic-welded construction ensures a long lifetime.
- The unit is supplied with a special drilled handle to connect the wiring inside the unit.

Operation:

- There are 3 different preset patterns in normally closed and normally open position. You may switch to next mode by press and hold the "MODE" button on driver board for 3 seconds.
- With open or close of the Machine Host Connector can be in both situations a pattern in the memory set as above.
- Flashing Modes:
 - Mode 1 - 7 colours, Red; Amber; Yellow; Green; Blue; Purple and White, fading in and out in turn. Each cycle for all 7 colours will last for 90 seconds.
 - Mode 2 - Flashing with 3 colours in cycle. Each cycle will last for 1 second. Press "MODE" button short will switch to next color set in following sequence:
Red/Blue/White; Red/Green/White; Red/Yellow/White; Blue/Yellow/White;
Blue/Purple/White; Green/Yellow/Blue; Blue/Green/Red
 - Mode 3 - Single Solid colour. Press "MODE" button short will switch to next color in following sequence: Red; Amber; Yellow; Green; Blue; Purple and White.
- Last selected pattern will be set as default when Handle Mech is powered up again.
- Through Host control (control cable not included)
 - 2 preset patterns (color and mode) can be selected by customer and controlled through Host Control connector by N.O. and N.C. signal.

Important:

- Shut-off power from host machine during installation.
- Power supply to Handle Mech: 12VDC Minimal 200mA.