

Tethered Gun – Two Player

Setup and Operation Service Manual

Revision Halo-Tgun-2P-1.1-10.09.24







© 2018 Microsoft Corporation. All Rights Reserved. Microsoft, Halo, the Halo logo, and 343 Industries are trademarks of the Microsoft group of companies.

Halo: Fireteam Raven Game Software Copyright 2018 Play Mechanix™ Inc.

This software is based in part on the work of the Independent JPEG Group.

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)

This product includes audio software developed by FMOD Studio. (https://www.fmod.com/)

Table of Contents

Safety	
Product Specifications	
Fuse Replacement Guide	
Setup	6
Card Reader Installation/Setup	10
Maintenance	12
Troubleshooting	13
Online Troubleshooting	15
Parts	16
Contact Information	30
System Diagrams	3(





Safety

OPERATION

Before operating game, read this manual. Failure to properly install and operate this game could result in malfunction or accident. Operate the game in accordance with the manual.

TRANSPORTING

Cabinet is very heavy and contains fragile components. Use appropriate care when moving or transporting cabinet. Avoid rough handling.

HANDLING COMPONENTS

Many components are extremely sensitive to handling, environmental and Electrostatic Discharge (ESD) events—especially the computer. Do not handle it roughly. Before servicing, call your distributor and inquire about the PC warranty. Use proper ESD procedures when servicing. Protect components from harmful environmental conditions, such as extreme temperatures, excessive moisture or other damaging effects.

DISCONNECT POWER

Always turn off power and unplug the units before servicing or making adjustments, unless otherwise instructed. Installing or repairing components while power is on can damage the components and void the warranty.

GROUNDING

Avoid electrical shock. Do not plug in AC power until you have inspected and properly grounded the unit. Only plug into a grounded, three-wire outlet. Do not use a "cheater" plug or cut off the ground pin on the line cord.

ELECTRICAL SHOCKS

There is no isolation transformer in the cabinet. Disconnect AC power before servicing. However, be aware that lethal voltages can remain in the electronic components even when AC power is disconnected. Use extreme caution when servicing. Verify that there is a working ground connection. If the unit sustains water damage, cease using it immediately and unplug AC power.

MONITOR

The monitor contains no user serviceable parts. Do not attempt to service the monitor.

POWER CORD

If the power cord is damaged or lost, replace it with an identical cord as supplied by the manufacturer or an authorized service agent.

SURGE SUPPRESSOR

It is recommended that you plug your game's power cord into a surge suppressor to help protect from power surges that may damage sensitive electronic components.

WATER AND OTHER LIQUID

Do not install game near sprinkler or other water jet sources. Do not use water jet to clean game. Keep minimum clearance behind game and wall for proper ventilation but also prevent accesss of liquid from spills and sprays from entering ventilation holes.

CONNECTORS

Ensure all connectors mate properly. If connectors do not slip in easily, do not force them. Connectors are often keyed and only connect one way. Check for correct orientation.

COMPUTER

The computer contains sensitive components, including a hard drive. Do not handle it roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.

Cycle AC power on or off with the cabinet power switch.

A dongle has been inserted into one of the USB ports. This is required for game play.

Do not remove the dongle except for troubleshooting purposes.

TEMPERED GLASS WARNING

When handling the LCD display glass cover take special care and set the glass down softly on a flat surface free of debris. The edge of the glass is sensitive to hard impact. Shattered glass from the monitor can travel long distances and cause bodily injury. Use proper procedures when handling broken materials.

HAZARD TO EPILEPTICS

A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizure while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physical before using video games. While children play video games, a parent should observe. Be alert to the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation or convulsions. If you or your child experiences these symptoms, discontinue use immediately and consult your physician.

MANUAL

Keep this manual available and ready for use. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. You may not reproduce this document or any of its contents without written authorization from Raw Thrills™, Inc. or PlayMechanix™ Inc.

SPECIFICATIONS

For reasons such as performance, this product's specifications may change without notice. Federal patent, copyright and other intellectual property laws protect the content, devices and design of the game and its equipment.



Product Specifications

Electrical Power

United States, Canada (ETL)

Voltage: 120VAC, 60 Hz
Operating AC Current: 5 Amps

International (CE)

Voltage: 230VAC, 50/60 Hz Operating AC Current: 3 Amps

Temperature

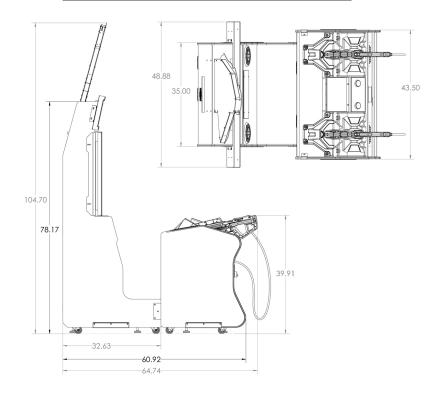
50° to 104° Fahrenheit (10° to 40° Celsius)

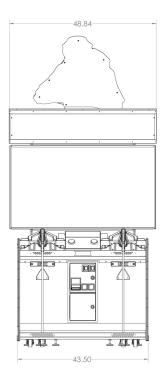
Humidity

Must not exceed 95% relative humidity

Cabinet Dimensions

Height	Width	Depth
104.70"	49.50"	64.74"
(265.938 cm)	(125.73 cm)	(164.4396 cm)





Fuse Replacement Guide

NOTE: FOR CONTINUED PROTECTION AGAINST FIRE AND ELECTRICAL DAMAGE, USE ONLY SPECIFIED FUSE TYPE AND VALUE.

Please see unit for specified fuse labeling. Abbreviations:

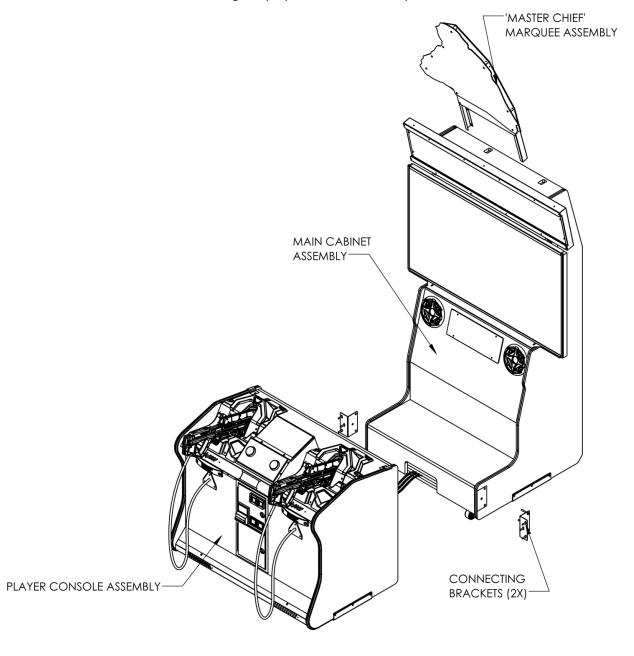
5A 250V	5A, 250VAC Fast Acting 3AG Fuse	Littlefuse 0312005.MXP (or equivalent)
	,	

Setup

Unpack Carton

- 1. Unpack all cartons and locate cabinet components
 - Main Cabinet assembly
 - Console assembly
 - Master Chief marquee assembly
 - Connecting brackets x2

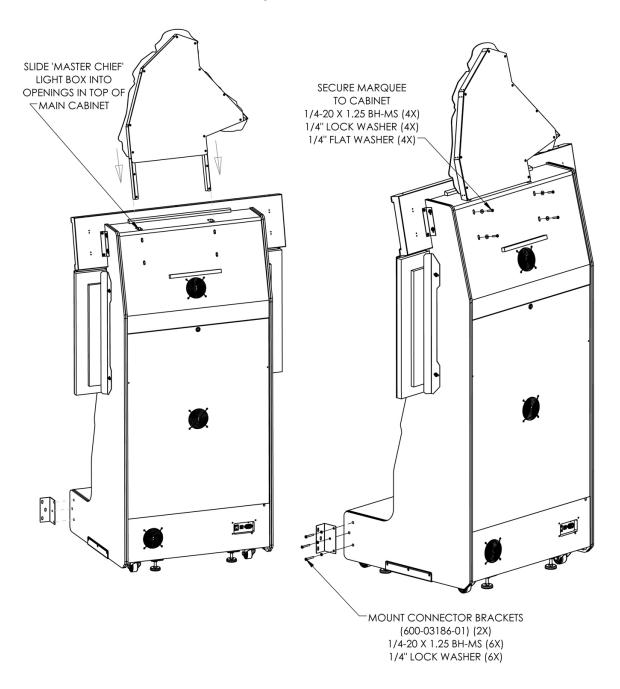
The main cabinet needs the Master Chief marquee and the connecting brackets mounted to the main cabinet before connecting the player console assembly.





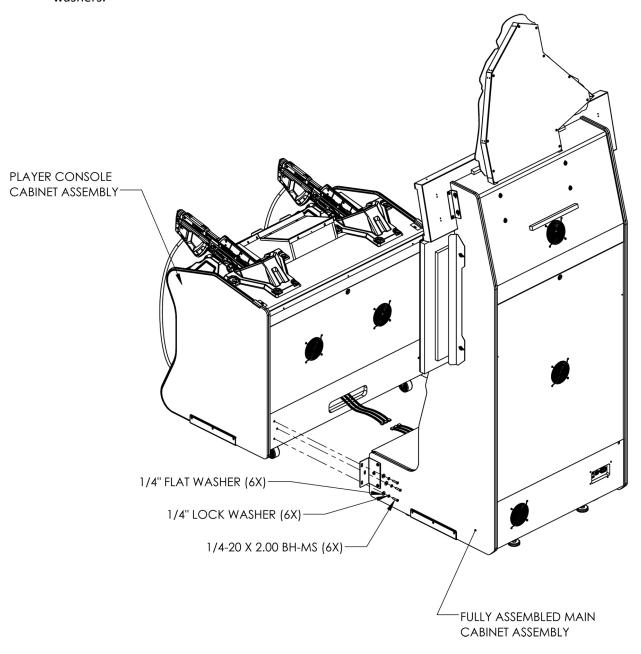
Attach Master Chief Marquee Assembly and Connector Brackets

- 1. Lift the Light Box assembly over the Main Cabinet assembly. Use a step ladder if needed.
- 2. Make cable connection between Light box assembly and Main Cabinet assembly.
- 3. Slide Light Box assembly into openings on top of Main Cabinet assembly.
- 4. Secure Light Box assembly using four 1/4-20 x 1.25 screws with flat and lock washers.
- 5. Secure both Connector Brackets using six 1/4-20 x 1.25 screws with flat and lock washers.



Attach Console Assembly to Main Cabinet Assembly

- 1. Position Console assembly in front of Main Cabinet assembly.
- 2. Make all cable connections between Console assembly and Main Cabinet assembly.
- 3. Secure Console Assembly to Connector Brackets using six 1/4-20 x 2.00 screws with flat and lock washers.





Verify Cabinet Functionality

- 1. Verify the voltage in the nearest AC outlet.
- 2. Verify the AC outlet ground connection is present and working.
- 3. Verify that the specified operating current will not overload the supply circuits.
- 4. Plug the line cords into AC outlet.
- 5. Turn the main cabinet power switch to ON.
- 6. Verify that the cooling fans on the cabinet are working.

 If not, turn off AC power and disconnect line cord. Contact Betson service
- 7. Check that no component is excessively hot or emitting foul odors.

 If so, turn off AC power and disconnect line cord. Contact Betson service.
- 8. Once software loads, you will be asked to setup the cabinet software.

Verify Input and Output Functionality

- 1. Enter the Diagnostic menu
- 2. Enter the INPUT TESTS menu and verify all switches and inputs function.
- 3. Enter the VIDEO TESTS menu and verify that video is acceptable.
- 4. Enter the COIN METER TEST and verify the operation of the coin meter.
- 5. Enter the LAMP TESTS menu and verify that the lamps of the buttons work correctly.
- 6. Enter the SOUND TEST menu and verify the audio works and is not distorted.
- 7. Enter the WATCHDOG TEST menu, which re-boots the game.
- 8. Upon a successful re-boot, you are ready to make adjustments to pricing, volume and other functions found in the Diagnostic menu.

Card Reader Installation/Setup

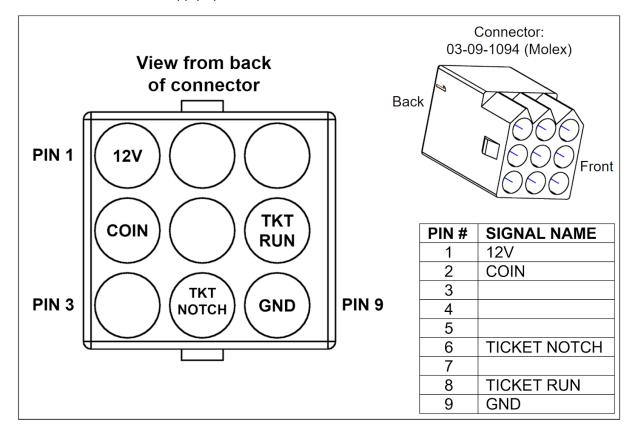
UCL, or Universal Card Link, is a debit card standard established by the American Amusement Machine Association. Visit https://coin-op.org/standardization/ for the latest UCL standard and manual information.

You can choose to use 1 or 2 card readers in the pricing adjustments section of the test menu. It is recommended to use 2 card readers for best results.

There are (2) supplied UCL connections (located underneath the instruction plate that's above the start button plate).

If only (1) card reader will be used, use the P1 UCL connector.

The UCL connectors on this game use pins 1, 2, 6, 8, and 9. The other pins are unused. Each UCL connector can supply up to 1A at 12VDC.





Maintenance

Hard Drive Recovery

Symptoms requiring hard drive recovery include:

- File Test reports bad or missing files
- Game fails to finish loading during startup
- After resetting the AC power, an error is reported
- Erratic Game or Attract Mode
- A screen indicating Data Files Corrupted

COMPUTER

The computer contains sensitive components, including a hard drive. Do not handle roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.

Do **not** use the PC on/off switch. Turn AC power on or off with the main cabinet power switches.

Flash Drive Restore

- 1. Turn both cabinet AC power switches to OFF.
- 2. Connect USB flash drive to an open USB port found inside the coin door.
- 3. Turn both cabinet AC power switches to ON.
- 4. Initial software loading may take several minutes. Check progress periodically.

Do not interrupt power or reset the game during recovery.

- 5. When software has finished loading, a message indicates that restore is complete.
- 6. Turn both cabinet power switches to OFF and disconnect USB flash drive.
- 7. After 30 seconds, turn both cabinet power switches to ON.
- 8. After game restarts, the game will proceed through the Setup wizard with factory defaults.

Regular Gun Maintenance Procedure

In order to maximize income potential, keep the cabinet in optimal working order by performing the following procedure every time you empty the cash box.

1. Verify trigger and button functionality

Press the Test button on the service panel, select Tests, select Input Tests, and then select Switch Test (described earlier in this manual) to ensure the triggers are functioning properly.

2. Verify reload functionality

Verify reload mechanisms are functional on all guns.

3. Calibrate, calibrate, calibrate

Return to the Main Menu screen and select Gun Calibration. Follow the instructions earlier in this manual or on screen to calibrate all guns.

Calibrate the guns any time the game is moved or the guns are repaired, replaced or swapped. Note: It is not advisable to replace or swap devices while power is on. Shut AC power off before connecting or disconnecting any components. If, for some reason, guns are changed while power is on, shut off AC power and reboot, after the guns are connected again. Failure to do so may result in incorrect functionality.

Following these procedures is <u>critical</u> to maintaining your guns and maximizing revenue. Perform regular maintenance to keep your game in top working order.



Troubleshooting

Warning: Review safety chapter before making any adjustments to game.

General Troubleshooting

Problem	Possible Cause	Solution
Game will not power up	Game not plugged in.	Plug game into outlet.
	Game not turned on.	Turn on main power switch.
	Game fuse is blown.	Check and replace fuse.
	Game power line circuit breaker	Check and reset game power line
	tripped.	circuit breaker.
	No power to receptacle.	Test outlet and plug game into powered outlet.
	PC not turned on.	Ensure IEC cable tightly plugged in. Trace cable back to source to ensure continuity.
	PC BIOS set incorrectly.	Set PC BIOS to boot on power.
NO VIDEO message	Video cables not plugged in properly	Reattach and/or tighten video cable to monitor. Reattach and/or tighten video cable to PC.
	Faulty video cable	Replace video cable
No sound	Bad Connection	Check connection to speakers and amplifier board.
	USB Sound adapter Disconnected	Check USB cable and connection

Game does not load		
Hard drive test reports "bad" or		
"missing" files.		
Game fails to finish loading.	Hard drive failure	Recover hard drive.
After resetting, game still reports an		See procedure on pg 11.
error.		900 p. 00000. 0 o pg
Game suggests inserting a boot		
DVD.		
Erratic game mode or attract mode.		
WARNING!		
Data Files Corrupted.		
(Game Operation May Become		
Unstable.)		
Use "Test" Switch to Enter Test		
Mode		
and Run "File Test."		
Press Start To Continue.		

Game resets	Bad file.	Run File Test. Restore hard drive.

Problem	Possible Cause	Solution
Coin meter does not click	No pulse to meter	Check all wiring from meter to I/O board
	Faulty meter	Replace coin meter
Exits Test Mode every 3 seconds	Test button stuck in ON position	Slide or toggle button off after Test
Exits restitione every 5 seconds	rest batter stack in our position	Menu appears
Dongle Not Present	Dongle missing or disconnected	Find dongle usb connection and
		reseat in USB port
	Faulty USB port	Connect dongle to another USB port
Connect I/O Board or		Check USB connection from PC to
I/O Board Missing	USB cable disconnected	I/O board
		Try connecting to a different USB
	Blown fuse	Charles and replace five
	Blown fuse	Check and replace fuse.
	No power to RIO2 board	Check for proper voltage
		(+12V) at RIO2 P1 connector
	Bad RIO2 Board	Replace RIO2 board with known
		functional board
Gun Recoil not functional	Cable Disconnected	Verify all cables are connected
	Blown fuse	Check and replace fuse.



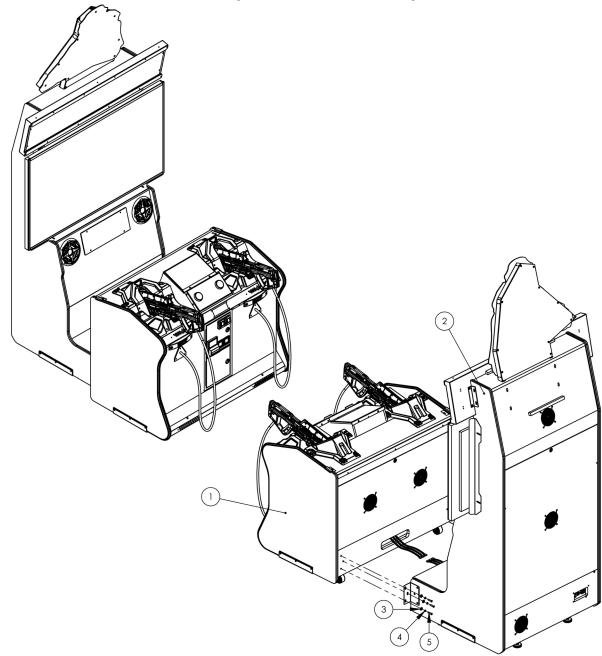
Online Troubleshooting

Problem	Possible Cause	Solution
Game cannot connect to CoinUp®	No broadband internet service	Contact a local ISP to setup either
server.		cable modem or DSL service.
No IP address appears under Test		
Connections menu		
	Wrong router configuration	Configure router for DHCP (Dynamic
		Host Configuration Protocol).
	Disconnected Ethernet cable	Check that Ethernet cables are
		tightly connected at both ends. An
		audible click confirms tightness.
		Reboot game. In Diagnostic mode,
		select Online, then Test Connection.
		Confirm that IP address appears. The
		phrase eth0 must follow IP address.
	Faulty Ethernet cable	Test cable by connecting it from
		another PC into router or wall jack.
		Replace cable if faulty.
	Faulty Ethernet wall jack.	Plug Ethernet cable into a different
		jack.
	Broadband service is down.	Contact ISP.
	Faulty router	Plug Ethernet cable into different
		jacks in router. Plug Ethernet cable
		directly into DSL or cable modem
		instead of router.
		Replace router if faulty.
	Faulty network card	Call CoinUp® service

Problem	Possible Cause	Solution
Game has IP address and screen	Firewall is blocking communication	Read firewall documentation.
says Server Ping Success but Test	with server.	Ensure configuration allows ICMP
Connection screen reports		Echo.
Database Ping failure or File		If router has built-in firewall, check
Server Ping failure.		router configuration.
		Enable communication on ports 80,
		443, 7786, and 7787.
	Database or File Server is down	Wait 30 minutes and revisit Test
		Connection screen.
		If still reporting failure, call CoinUp®
		service.

Parts

Halo - Tethered Gun - Two Player - Cabinet Assembly

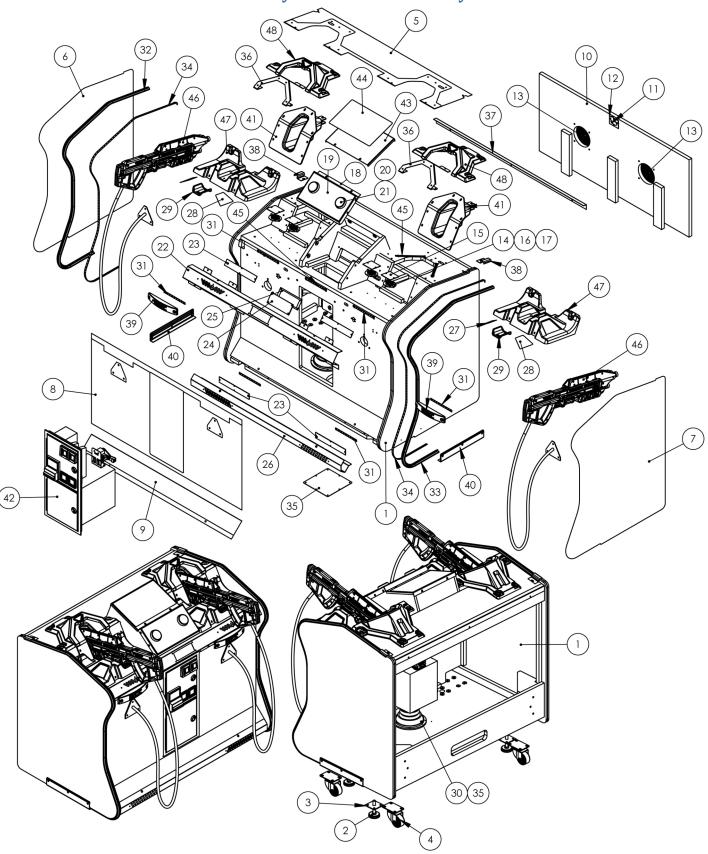


Halo - Tethered Gun - Two Player - Cabinet Assembly Part Numbers

Item	Part No.	Description	QTY
1	HALO-TGUN-2P-CONSOLE-ASSY	Halo Two Player Tethered Gun Console Assembly	1
2	HALO-TGUN-2P-MAIN-CAB-ASSY	Halo Two Player Tethered Gun Main Cabinet Assembly	1
3	Regular FW 0.25	1/4" flat washer - black	6
4	Regular LW 0.25	1/4" split lock washer - black	6
5	SBHCSCREW 0.25-20x 1.25 HX-N	1/4-20 x 1.25" black tamper proof screw	6



Halo - Tethered Gun - Two Player - Console Assembly

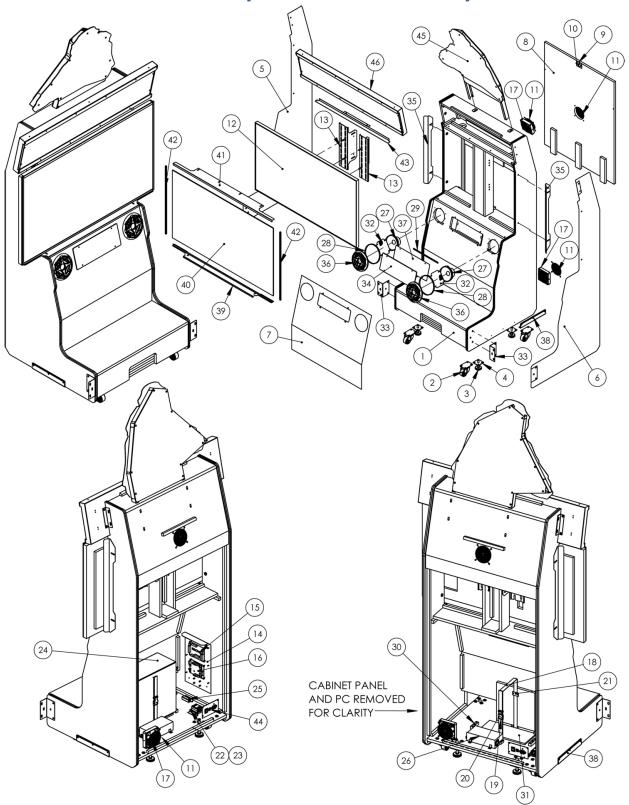


Halo - Tethered Gun - Two Player - Console Assembly Part Numbers

	•		
Item	Part No.	Description	QTY
1	601-01000-01-PART	Halo Tethered Gun Two Player Console	1
2	Leg Leveler	1/2-13 x 4" length leg leveler	4
3	Leg Leveler Plate	2.50 x 2.50 x 1/2-13 CTR – Leveler Plate	4
4	JULANG – 2.5 Inch Caster Assy	JULANG – 2.5" caster assembly	4
5	606-02030-01	Top Console Decal	1
6	606-02140-01	Halo Tethered Gun Two Player Console Decal – Left	1
7	606-02141-01	Halo Tethered Gun Two Player Console Decal – Right	1
8	606-02142-01	Halo Tethered Gun Two Player Console Decal – Front	1
9	606-02143-01	Halo Tethered Gun Two Player Console Decal – Lower	1
10	601-00983-01	Halo Tethered Gun Door Panel	1
11	Lock	Lock Standard	1
12	Lock Retainer	Lock Retainer N202-130	1
13	800-00001-00	120mm Wire Fan Guard	2
14	500-00205-01	White LED Superpuck PCB-36 LEDS	4
15	600-03199-01	Polypro light diffuser for puck light	4
16	#8x.375-SPACER	#8 x .375LG Spacer	8
17	#8x.188-SPACER	#8 x .375LG Spacer	8
18	600-03192-01	Halo Tethered Gun Two Player Control Panel	1
19	606-02144-01	Halo Tethered Gun Two Player Control Panel Decal	1
		Halo – Large Round Push Button – Green Start	
20	702-00094-01	-	1
21	702-00095-01	Halo – Large Round Push Button – Purple Start	1
22	600-03191-01	Halo Tethered Gun Two Player – Control Panel Retainer	1
23	600-03038-01	Halo Tethered Gun Polypropylene Shield	4
24	600-03195-01	Halo Tethered Gun Two Player – PETG Retainer	1
25	606-02148-01	Halo Tethered Gun Two Player – Translite Retainer	1
26	600-03190-01	Halo Tethered Gun Two Player – Base Retainer	1
27	606-02041-01	Halo Tethered Gun – 10mm Tray Decal - Left	2
28	606-02042-01	Halo Tethered Gun – 10mm Tray Decal – Right	2
29	603-01105-01	Halo Tethered Gun – Molded Gun Glide	2
30	2-1-11-00-00-000	Speaker Woofer 6.5" 4 OHM	1
31	15CM LED STRIP	15cm LED strip (RGB)	6
32	603-00718-01	Halo-55 Control Panel LED TMOLD (40cm)	1
33	003-00718-01	Tialo-33 Control Faller LED TIVIOLD (40CIII)	1
34	500-00131-155	140cm-RGB-LED strip	2
35	600-00616-01	Grill Woofer	1
36	600-03016-01	Halo Tethered Gun – Bracket Gun Cover	2
37	600-03022-01	Halo Tethered Gun – Console Retainer – Top	1
38	600-03023-01	Halo Tethered Gun – Tmolding clip	2
39	603-00896-01	Halo Molded Cover	2
40	603-01002-01	12" clear Tmolding clip	2
41	603-01104-01	Halo Tethered Gun – Molded Holster	2
42	800-0005-01	BBHD Mid-width coin door	1
43	600-03193-01	Halo Tethered Gun Two Player Control Panel Bracket	1
44	606-02145-01	Halo Tethered Gun Two Player Control Panel Plate Decal	1
45	15CM LED STRIP (WHITE)	15cm LED strip (white)	5
46	820-00027-01	Halo Tethered Gun Assembly	2
	603-01062-01-G (GREEN)		1
	OOS OTOOS-OT-O (QUELIN)	Halo Tethered Gun Tray (Green/Purple)	
47	603-01602-01-D (DLIRDLE		1
47	603-01602-01-P (PURPLE 603-01063-01-G (GREEN)	Halo Tethered Gun Cover (Green/Purple)	1 1



Halo - Tethered Gun - Two Player - Main Cabinet Assembly

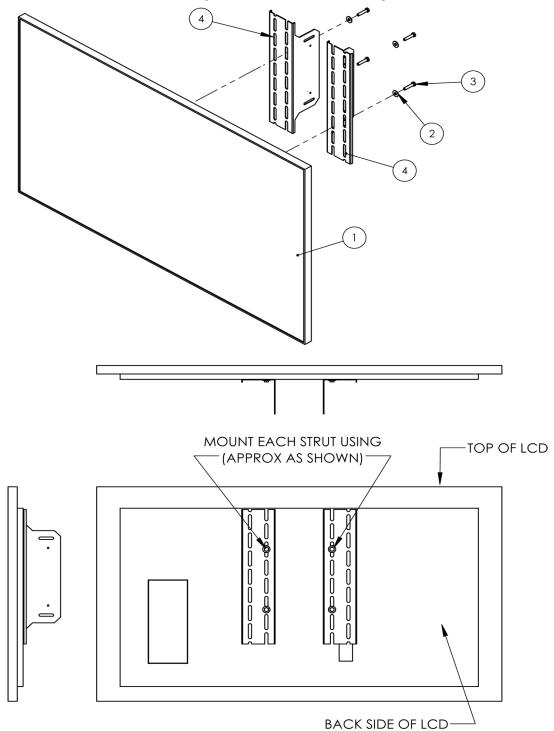


Halo - Tethered Gun - Two Player - Main Cabinet Assembly Part Numbers

Tem	
2	QTY
3	1
4 leg leveler plate 2.50 x 2.50 x 1/2-13 CTR – LEVELER PLATE 5 606-02136-01 HALO-TGUN-2P-LEFT-MAINCAB-DECAL 6 606-02137-01 HALO-TGUN-2P-LEFT-MAINCAB-DECAL 7 606-02138-01 HALO-TGUN-2P-RIGHT-MAINCAB-DECAL 8 601-00918-01 HALO-TGUN-2P-RIGHT-MAINCAB-DOOR-PANEL 9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-00001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-AUDIO-AMPLIFIER-PCBA 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Female) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600	4
4 leg leveler plate 2.50 x 2.50 x 1/2-13 CTR – LEVELER PLATE 5 606-02136-01 HALO-TGUN-2P-LEFT-MAINCAB-DECAL 6 606-02137-01 HALO-TGUN-2P-LEFT-MAINCAB-DECAL 7 606-02138-01 HALO-TGUN-2P-RIGHT-MAINCAB-DECAL 8 601-00918-01 HALO-TGUN-2P-RIGHT-MAINCAB-DECAL 9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-00001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-AUDIO-AMPLIFIER-PCBA 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Female) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-0319	4
5 606-02136-01 HALO-TGUN-2P-LEFT-MAINCAB-DECAL 6 606-02137-01 HALO-TGUN-2P-RIGHT-MAINCAB-DECAL 7 606-02138-01 HALO-TGUN-2P-RIGHT-MAINCAB-DECAL 8 601-00918-01 HALO-TGUN-2P-ROMINCAB-DECAL 9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-0001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 8413	4
6 606-02137-01 HALO-TGUN-2P-RIGHT-MAINCAB-DECAL 7 606-02138-01 HALO-TGUN-2P-FRONT-MAINCAB-DECAL 8 601-00918-01 HALO-TGUN-2P-PRONT-MAINCAB-DOOR-PANEL 9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-0001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00199-05 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84	1
7 606-02138-01 HALO-TGUN-2P-FRONT-MAINCAB-DECAL 8 601-00918-01 HALO-TGUN-2P-MAINCAB-DOOR-PANEL 9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-00001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-03119-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t PC-ASSY	1
8 601-00918-01 HALO-TGUN-2P-MAINCAB-DOOR-PANEL 9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-0001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Lee 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR	1
9 Lock 7/8" w/ 1.25 Cam Lock Assembly 10 N202-130 Retainer Lock 11 800-0001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V bual Voltage Power Su </td <td>1</td>	1
10	1
11 800-0001-00 120mm Wire Fan Guard 12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-0891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-0079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-002565 55CM-RGB-C	1
12 55-LCD-SAMSUNG-QB55B 55-LCD-SAMSUNG-QB55B 13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-03119-01 Scuring Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t+PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 30 601-00580-01 PC Wood Cleat	5
13 R1-1168 BRACKET-LCD-HALO-TGUN-2P 14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Length) 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-0891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 30 601-00580-01 PC Wood Cleat 31 600-0380-01 FOMM-	1
14 600-02049-01 RIO Mounting Plate (w/ Motion Control PCB 15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Let 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-00 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-S	2
15 500-00199-05 RIO2-PCB-ASSY 16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Le 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 30 601-00580-01 PC Wood Cleat 31 600-03580-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET<	1
16 500-00212-03 RIO2-AUDIO-AMPLIFIER-PCBA 17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Letter 19 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 <td>1</td>	1
17 820-00001-00 FAN, 120VAC, 19/15W 18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Letter 19 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01	1
18 87425K76 (56 length) Nylon Strip 0.075" Thick, 1" Width, Black (56" Let 19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-0380-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01	
19 29705T86 (male) Plastic Buckle for 1" Wide Web (Male) 20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 SB3 Speaker Cover -IM (Plated)	2
20 29705T86 (female) Plastic Buckle for 1" Wide Web (Female) 21 600-0891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	
21 600-00891-01 Securing Nylon Strap Plate 22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
22 600-03119-01 Solid State Relay Bracket 23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
23 800-00079-01 Crouzet 84137910N 25A Relay 24 LenovoM70t LenovoM70t-PC-ASSY 25 380-0009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-03809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 SB3 Speaker Cover -IM (Plated)	1
24 LenovoM70t LenovoM70t-PC-ASSY 25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
25 380-00009-01 GROUND-LOOP-ISOLATOR 26 330-00003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
26 330-0003-01 HRP-600-12: 600W, 12V Dual Voltage Power Su 27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
27 2-1-10-00-00-000 5.25 Full Range Speaker 28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
28 500-00245-55 55CM-RGB-CLEAR-ENCASED-LED-STRIP 29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	• • • • • • • • • • • • • • • • • • • •
29 30CM-WHITE-LED-STRIP 30cm Flexible LED Strip (White) 30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	2
30 601-00580-01 PC Wood Cleat 31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	2
31 600-00809-01 FOAM-PC-BASE-CUSHION 32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	3
32 600-02568-01 GRILL-SPEAKER-NT 33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	2
33 600-03186-01 HALO-TGUN-2P-CONNECTOR-BRACKET 34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
34 600-03196-01 PETG-BELOW-LCD-HALO-TGUN-2P 35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	2
35 600-03200-01 PLATE-LCD-SIDE-HALO-TGUN-2P 36 603-00890-01 SB3 Speaker Cover -IM (Plated)	2
36 603-00890-01 SB3 Speaker Cover -IM (Plated)	1
	2
27	2
37 606-02147-01 HALO-TGUN-2P-BELOW-LCD-TRANSLITE	1
38 603-01002-01 TMOLDING-CLIP-12INCH-CLEAR	2
39 R1-1169 RETAINER-GLASS-HALO-TGUN-2P	1
40 R22-1 GLASS-SHIELD-55-HALO-TGUN-2P	1
41 R1-1170 RETAINER-UPPER-GLASS-HALO-TGUN-2P	1
42 R4-1044 EDGE-GUARD-BLACK-TRIM-LOK-EGB7/16-GRO	B 2
43 R1-1199 BRACKET-GAP-HALO-TGUN-2P	1
44 HALO-TGUN-2P-POWER-PLATE-ASSY HALO-TGUN-2P-POWER-PLATE-ASSY	1
45 HALO-TGUN-2P-MC-MARQUEE-ASSY HALO-TGUN-2P-MC-MARQUEE-ASSY	1
46 HALO-TGUN-2P-METAL-MARQUEE-ASSY HALO-TGUN-2P-METAL-MARQUEE-ASSY	1



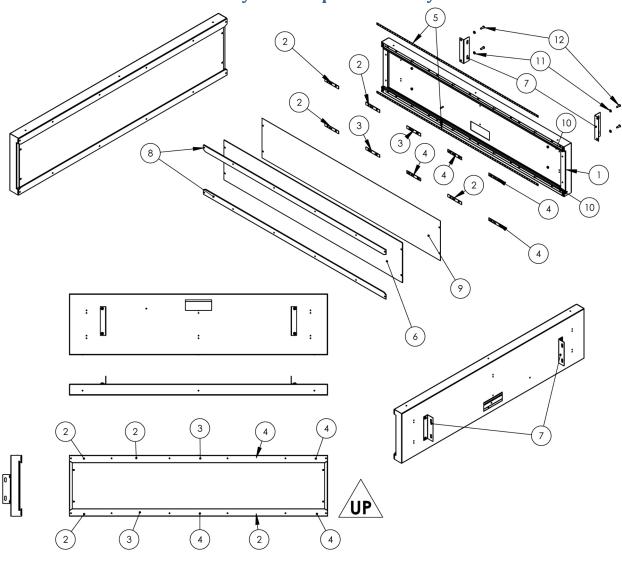
Halo - Tethered Gun - Two Player - 55" LCD Assembly



Halo - Tethered Gun - Two Player - 55" LCD Assembly Part Numbers

Item	Part No.	Description	QTY
1	55-LCD-SAMSUNG-QB55B	55" LCD display	1
2	Regular FW 0.3125	M8 Washer	4
3	HFBOLT 0.3125-18X1.5X0.875-N	M8 x 40mm hex head bolt	4
4	R1-1168	BRACKET-LCD-HALO-TGUN-2P	2

Halo - Tethered Gun - Two Player - Marquee Assembly

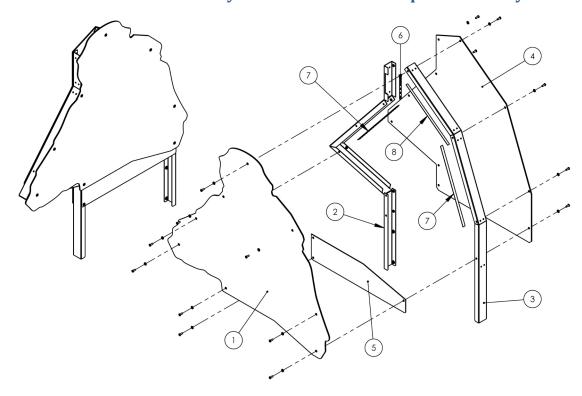


Halo - Tethered Gun - Two Player - Marquee Assembly Part Numbers

Item	Part No.	Description	QTY
1	R1-1198	LIGHTBOX-HALO-TGUN-2P	1
2	500-00145-01	IR board #1	4
3	500-00145-02	IR board #2	2
4	500-00145-03	IR board #3	4
5	110cm LED strip (white)	110cm flexible LED strip (white)	2
6	600-03029-01	Halo Tethered Gun Two Player PETG marquee	1
7	600-03187-01	Halo Tethered Gun Two Player marquee bracket	4
8	600-03034-01	Halo Tethered Gun Two Player acrylic LED lens	2
9	606-02146-01	Halo Tethered Gun Two Player marquee translite	1
10	8694K131	Light Duty Blended EPDM Foam Strip	2
11	Regular LW 0.25	¼" Flat Washer	4
12	SBHCSCREW 0.25-20X0.75-HX-N	1/4-20 X .75 BHTP MACHINE SCREW	4



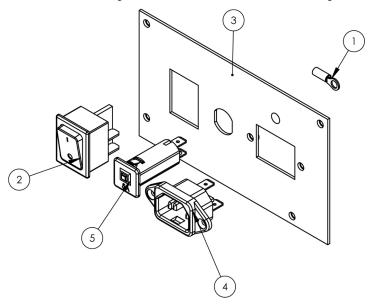
Halo - Tethered Gun - Two Player - Master Chief Marquee Assembly



Halo - Tethered Gun - Two Player - Master Chief Marquee Assembly Part Numbers

Item	Part No.	Description	QTY
1	606-01499-01	Master Chief screened PETG topper	1
2	600-03188-01	Halo Tethered Gun Two Player left Master Chief bracket	1
3	600-03189-01	Halo Tethered Gun Two Player right Master Chief bracket	1
4	600-03194-01	Halo Tethered Gun Two Player PVC foam Master Chief	1
5	600-03236-01	Halo Tethered Gun Two Player ABS light blocker	1
6	10cm LED strip (white)	10cm flexible LED strip (white)	1
7	30CM-WHITE-LED-STRIP	30cm flexible LED strip (white)	2
8	25CM-WHITE-LED-STRIP	25cm flexible LED strip (white)	1
9	Narrow FW 0.164	#8 flat black washer	19
10	SBHCSCREW 0.164-32x0.5-HX-N	8-32 x .50 black tamper proof screw	19

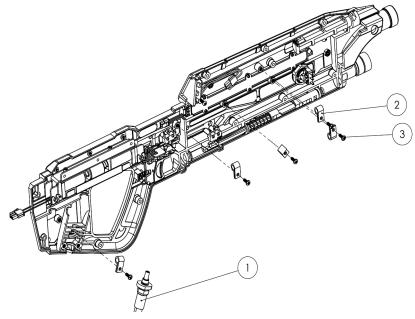
Halo - Tethered Gun - Two Player - Power Plate Assembly



Halo - Tethered Gun - Four Player - Power Plate Assembly Part Numbers

Item	Part No.	Description	QTY
1	Ring and Spade Tongue Terminal	Ring and Spade Tongue Terminal (#8 Screw)	1
2	1832-33-12	AC switch 15amp 125V heiland electric	1
3	600-01681-01	Plate AC – Line filter circuit breaker, on/off switch	1
4	Power Inlet Receptacle	IEC Appliance Inlet, Screw-on mounting, Front Side, quick-connect 10A	1
5	T9-611-5A	5A circuit breaker, fuseholder style, 1 pole (schurter #4404.007)	1

Halo - Tethered Gun

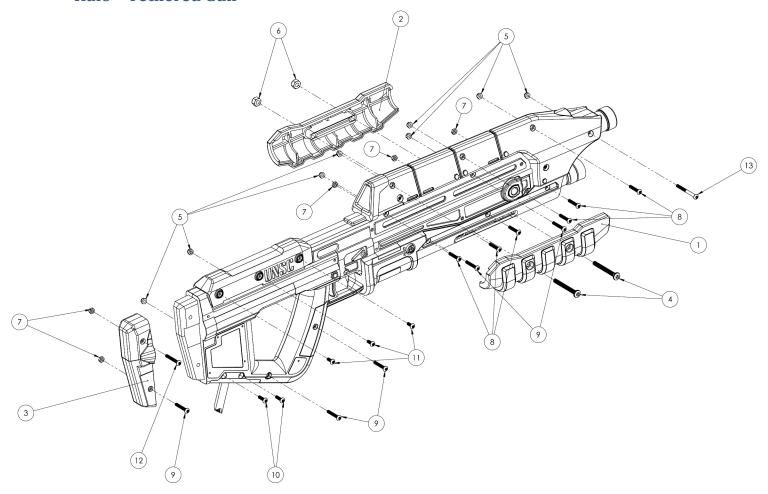


Halo - Tethered Gun Part Numbers

Item	Part No.	Description	QTY
1	810-00486-01	Hose Harness	1
2	MMC 8876T13	Nylon Loop Clamp 1/4" ID	5
3	MMC 91772A146	6-32 x 3/8" Phillips screw	5



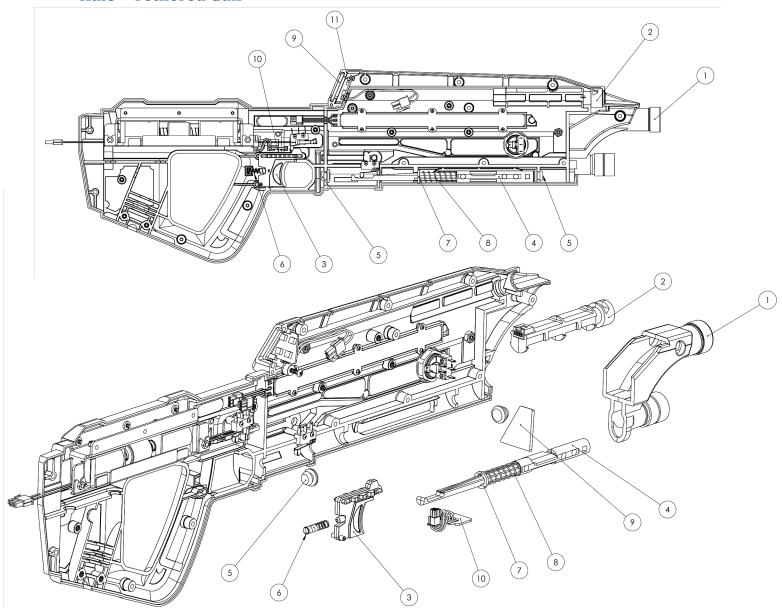
Halo - Tethered Gun



Halo - Tethered Gun Part Numbers

Item	Part No.	Description	QTY
1	600-02935-01	Pump Right Half	1
2	600-02936-01	Pump Left Half	1
3	600-02940-01	Gun Butt	1
4		10-32 x 1 3/4" Long Black tamper proof screw	2
5		6-32 Black Nylok Nuts	8
6	MMC 90631A411	10-32 Black Nylok Nuts	2
7	MMC 90760A170	6-32 Black Thin Hex Huts	5
8	MMC 96075A118	6-32 x 3/4" Black tamper proof screw	6
9		6-32 x 7/8" Black tamper proof screw	5
10	MMC 96075A115	6-32 x 1/2" Black tamper proof screw	2
11	MMC 96075A111	6-32 x 3/8" Black tamper proof screw	3
12	MMC 96075A123	6-32 x 1" Black tamper proof screw	1
13		6-32 x 1.5" Black tamper proof screw	1

Halo - Tethered Gun

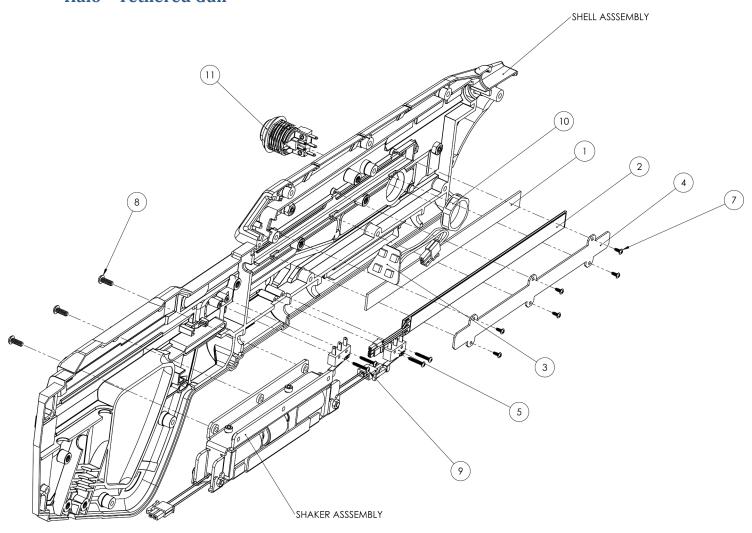


Halo - Tethered Gun Part Numbers

Item	Part No.	Description	QTY
1	600-02939-01	Gun Barrel	1
2	820-00010-01	Camera Holder Assembly	1
3	600-02937-01	Trigger	1
4	600-02938-01	Pump Rod	1
5	600-00853-01	Pump Stop	2
6	600-03083-01	Trigger Spring	1
7	600-03077-01	Pump Spring Retainer	1
8	600-00858-01	Pump Spring	1
9	600-02941-01	Lighted Insert	1
10	500-00312-01	Trigger PCB	1



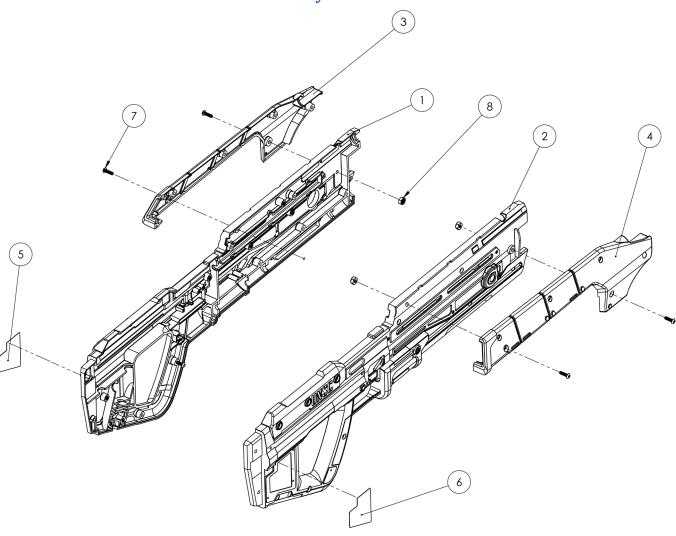
Halo - Tethered Gun



Halo - Tethered Gun Part Numbers

Item	Part No.	Description	QTY
1	600-02954-01	Side LED lens	2
2	500-00310-01	Long LED PCB	2
3	500-00311-01	4 LED PCB	1
4	600-02951-01	LED Bracket	2
5	HAPP 95-4142-30	Cherry Switch and Actuator	2
7	MMC 99461A710	#2 x 3/16" thread forming screw	12
8	MMC 96075A111	6-32 x 3/8" black tamper proof screw	3
9	MMC 99461A735	#2 x 1/2" thread forming screw	4
10	HAPP 77-2014-00	Button nut (included with 77-2L12-30)	1
11	HAPP 77-2L12-30	Red Button	1

Halo - Tethered Gun - Shell Assembly

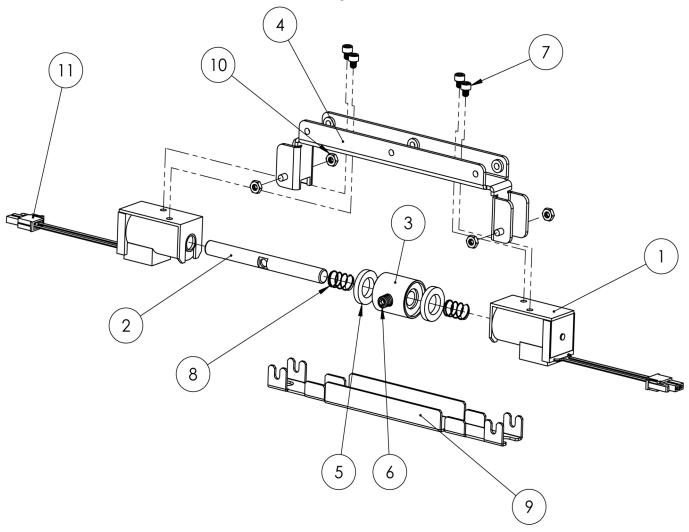


Halo - Tethered Gun - Shell Assembly Part Numbers

Item	Part No.	Description	QTY
1	600-02931-01	Gun Body - Left	1
2	600-02932-01	Gun Body - Right	1
3	600-02933-01	Gun Cowl - Left	1
4	600-02934-01	Gun Cowl - Right	1
5	606-02043-01	Left Decal	1
6	606-02044-01	Right Decal	1
7	MMC 96075A115	8-32 x 1/2" black tamper proof screw	4
8	MMC 90101A009	8-32 thin lock nut	4



Halo - Tethered Gun - Shaker Assembly



Halo - Tethered Gun - Shaker Assembly Part Numbers

Item	Part No.	Description	QTY
1	604-00072-01	Solenoid	2
2	600-02943-01	Coil Shaft	1
3	600-02944-01	Coil Weight	1
4	600-02942-01	Coil Main Bracket	1
5	600-02945-01	Damper Pad	2
6	MMC 91385A534	1/4-20 x 5/16 cup point set screw	1
7	MMC 91251A269	6-32 x 5/32 socket head screw	4
8	600-02946-01	Coil Spring	2
9	600-03051-01	Heat Sink Bracket	1
10	MMC 90760A170	6-32 Nut	4
11	461-00012-02	Connector – molex 39-01-2020	2
12	403-00011-01	SBYV27-100-E3/54 Vishay Diode	2

Contact Information

For an authorized distributor near you, visit Raw Thrills at http://www.rawthrills.com/sales-service

For service, contact your local distributor or your local Betson office for sales, technical information, warranty or repair. Betson can be reached at (800) 524-2343 or fax (201) 438-4837 www.betson.com

Betson Enterprises Headquarters

303 Paterson Plank Rd.
Carlstadt, NJ 07072
(800) 524-2343 or (201) 438-1300
fax (201) 438-4837
www.betson.com

System Diagrams

