

## Guns N' Roses Spotlight PU Upgrade Kit

Part No. 10002126 at [pu-parts.com](http://pu-parts.com)

Tip: To simplify reassembly, please take photos of each step as you disassemble.

Preparation: In the menu under "Full Menu" > "Tests" > "Device Tests" > "Spotlights", move the spotlights to the respective middle position. Then switch off the device and disconnect the power plug. Please remove the disk of the device and pull out the playfield in maintenance position. If available, please use Assembly Blades (part No. 10000009 at [pu-parts.com](http://pu-parts.com)).



Scope of delivery:

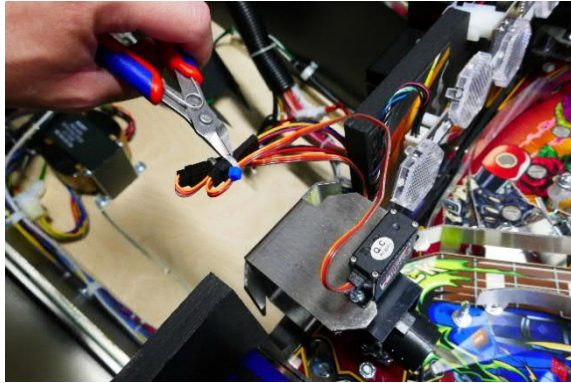
- 2 x Guns N' Roses Spotlight Support angle
- 2 x Guns N' Roses PU Spotlight-Arm
- 1 x Guns N' Roses Spotlight-Bracket Left
- 1 x Guns N' Roses Spotlight-Bracket Right
- 5 x Cable tie
- 4 x Heat shrink tube
- 1 x Rubber band

Required tools:

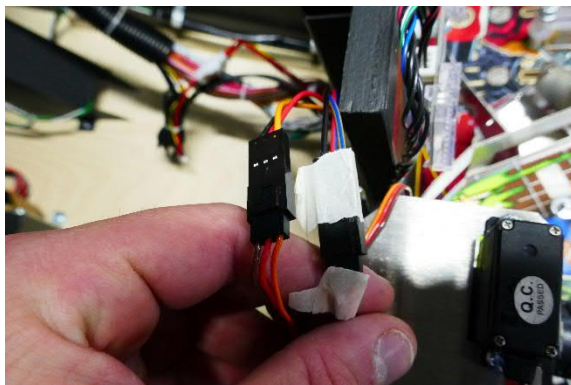
- Phillips screwdriver PH1
- Phillips screwdriver PH2
- Small Phillips screwdriver
- Side cutter
- 1/4" Socket wrench
- 5/16" Socket wrench
- 11/32" Socket wrench
- Lighter
- Assembly Blades (optionally)
- Felt-tip pen or adhesive tape for marking the plugs

Left Spotlight:

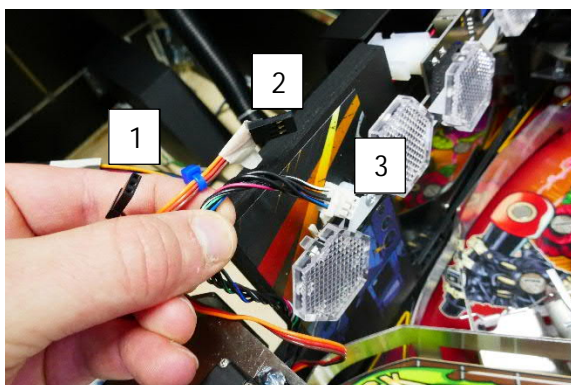
L-1: Loosen the white cable ties of the servo motor connectors.



L-2: Mark plug (e.g. with adhesive tape or felt-tip pen).



L-3: Disconnect the two black servo motor connectors (1&2) and the white connector (3) for the lighting.



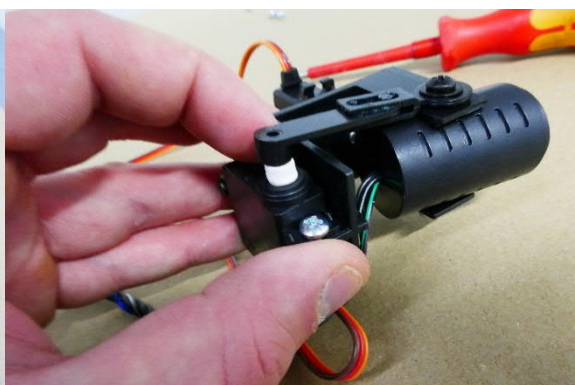
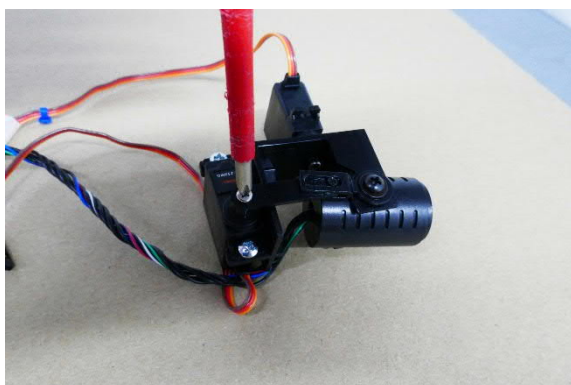
L-4: Loosen the two cross screws of the upper servo to remove the mechanics.



L-5: Carefully remove the spotlight mechanism from the front.

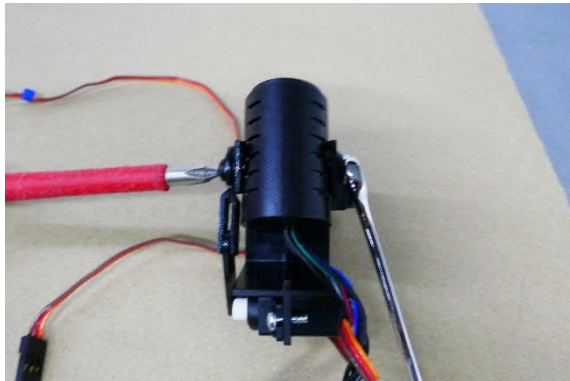


L-6: Remove the small Phillips screw from the spotlight arm and carefully pull the arm off the gear.





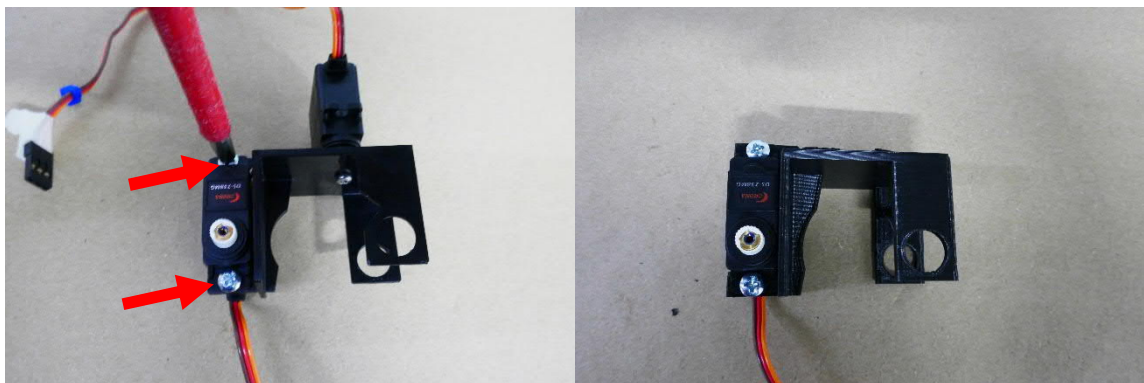
L-7: Remove spotlight bolt and nut (5/16" nut).



L-8: Carefully remove the spotlight from the holder. To do this, carefully push the lateral holders apart. CAUTION! The side holders hold the spotlight together. When laying it down, make sure that it does not fall apart. Tip: Tie a rubber band around the front of the spotlight to secure it.



L-9: Loosen the two cross screws of the servo motor and remove the servo. Then screw it to the new bracket.



Old bracket with servo

New bracket with servo

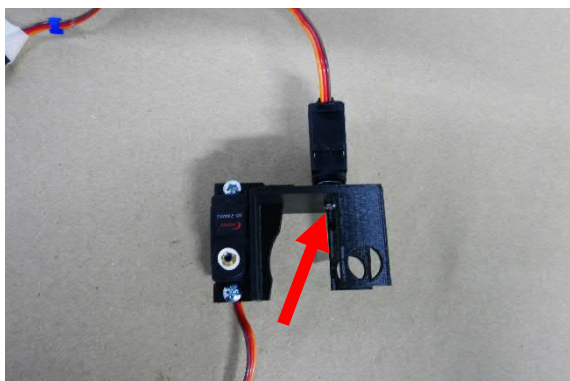
L-10: Remove the upper servo. To do this, loosen the small cross screw.



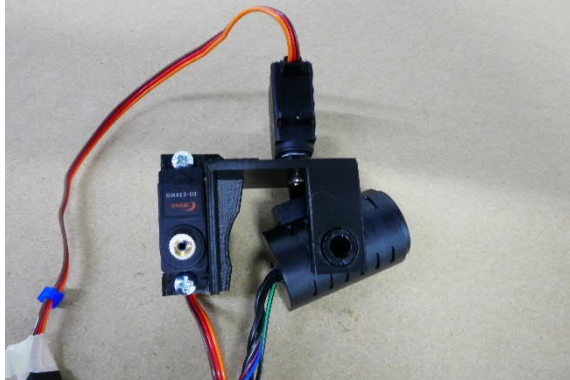
L-11: Remove the white rubber from the gear wheel (e.g. with side cutters or slotted screwdriver) and put the black rubber supplied over the gear wheel. Then, if possible, carefully shrink together with a lighter.



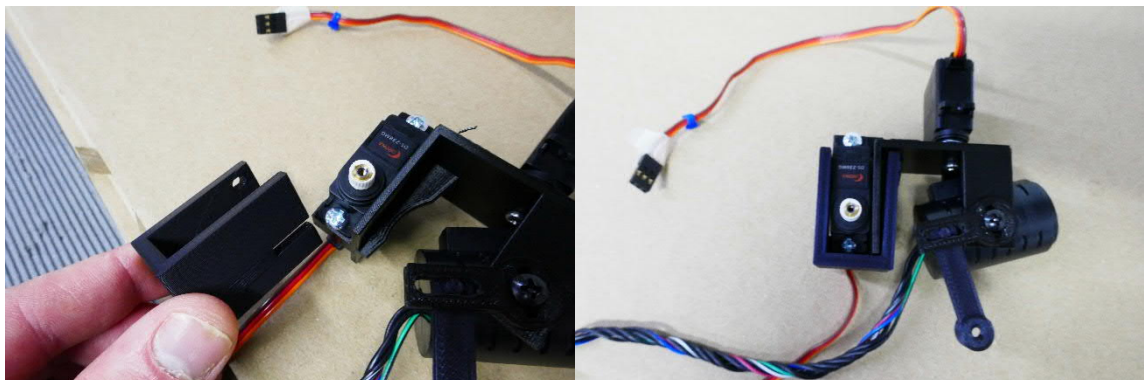
L-12: Carefully mount the servo on the new bracket and fix it with the cross screw.



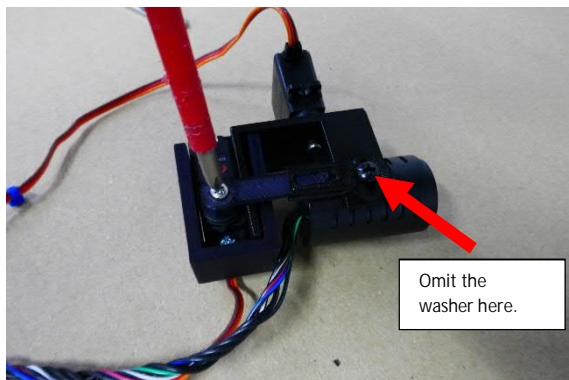
L-13: Reassemble the spotlight between the lateral holders. To do this, carefully push the holders apart. Mount the new spotlight arm and then tighten it with the screw and nut.



L-14: Place the supplied support bracket on the servo.



L-15: Screw down the other side of the spotlight arm. Make sure that the spotlight is screwed in at approximately the same angle as the old one.

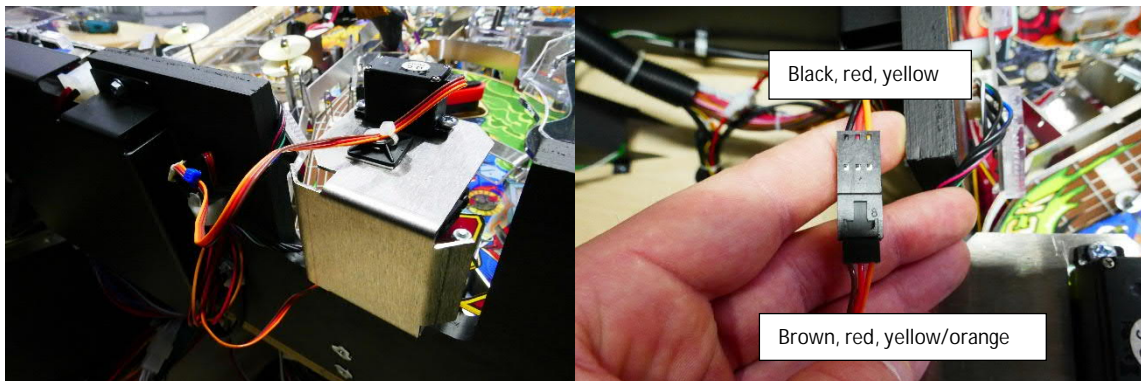




L-16: Reinstall the spotlight unit on the field mount and tighten with the two Phillips screws.

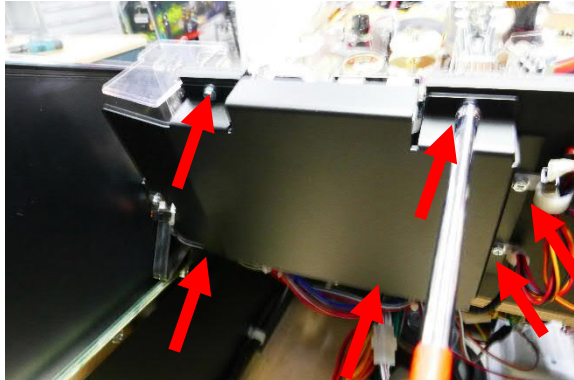


L-17: Reconnect the two black connectors of the servos as well as the white connector for the lighting, pay attention to the polarity! Then return the cable to its original state. Make sure that no cable is under tension or pinched. Use the cable ties provided for this purpose.



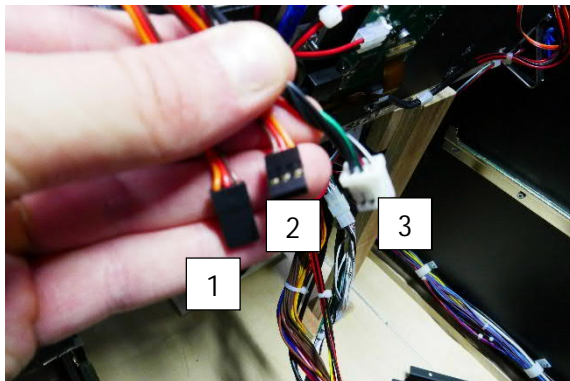
Right Spotlight:

R-1: Remove the back cover. To do this, loosen the six 1/4" screws.

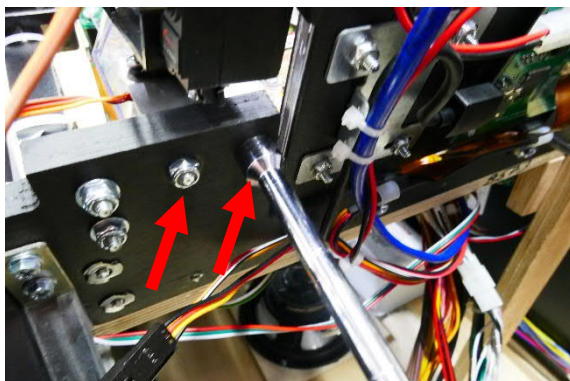


R-2: Loosen the white cable ties of the servo motor connectors.

R-3: Disconnect the two black servo motor connectors (1&2) and the white connector (3) for the lighting.

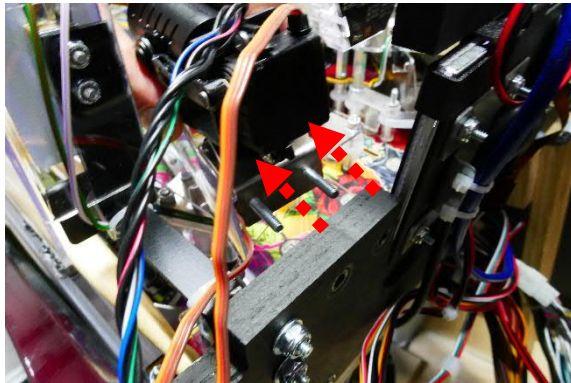


R-4: Loosen the two 11/32" nuts.





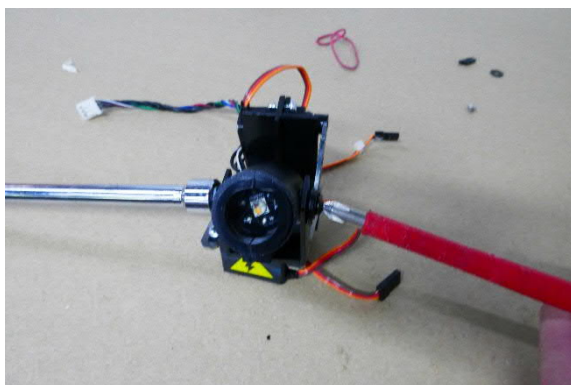
R-5: Carefully pull out the holder with the mechanism to the front.



R-6: Loosen the small cross screw from the joint and carefully pull off the arm.



R-7: Remove spotlight bolt and nut (5/16" nut).



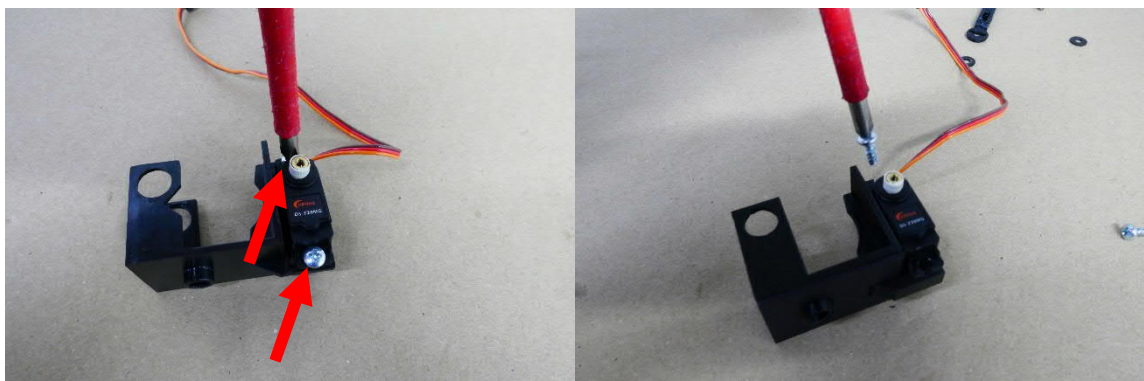
R-8: Carefully remove the spotlight from the holder. To do this, carefully push the lateral holders apart. CAUTION! The side holders hold the spotlight together. When laying it down, make sure that it does not fall apart. Tip: Tie a rubber band around the front of the spotlight to secure it.



R-9: Remove the lower servo. To do this, loosen the small cross screw.



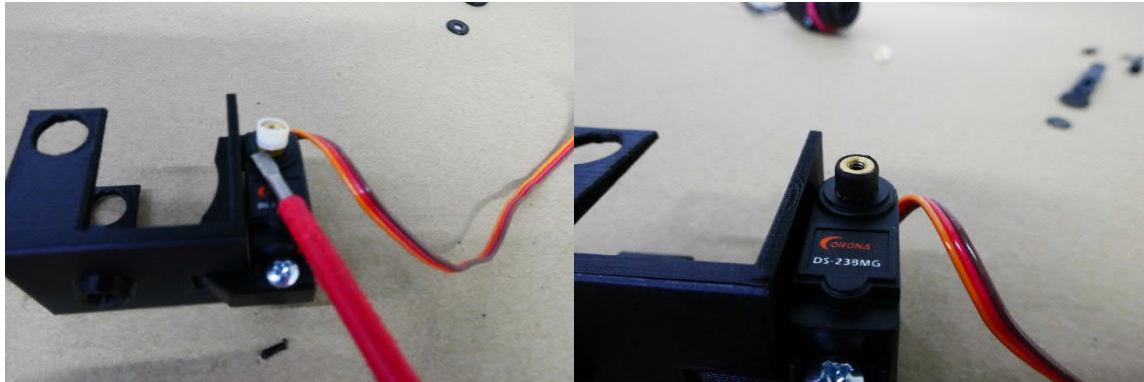
R-10: Loosen the two cross screws of the servo motor and remove the servo. Then screw it to the new bracket.



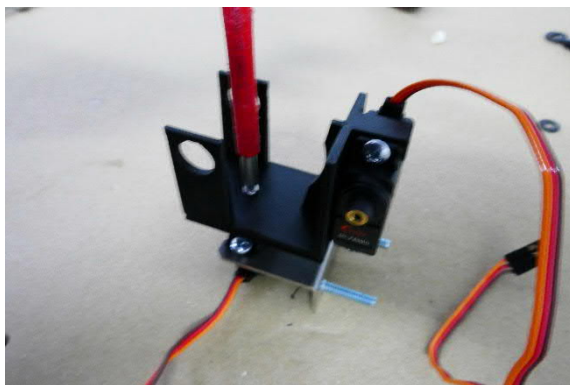
Old bracket with servo

New bracket with servo

R-11: Remove the white rubber from the gear wheel of both servos (e.g. with side cutters or slotted screwdriver) and put the supplied black rubber over the gear wheel. Then, if possible, carefully shrink it together with a lighter.



R-12: Reassemble the spotlight mechanism and tighten it with the small cross screw.

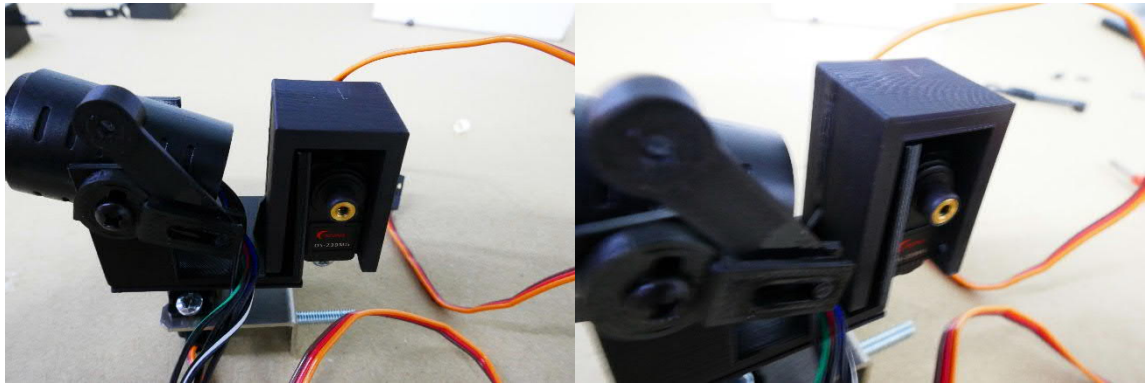


R-13: Reassemble the spotlight between the lateral holders. To do this, carefully push the holders apart. Then tighten with the screw and nut.

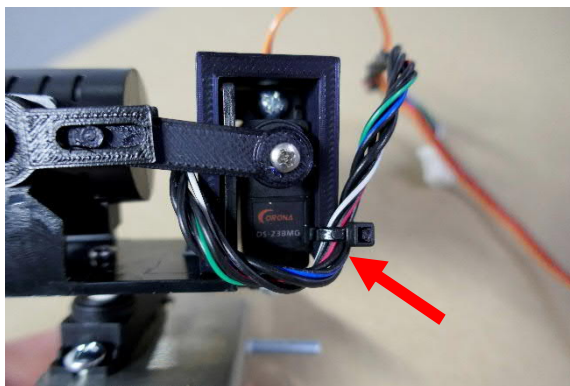




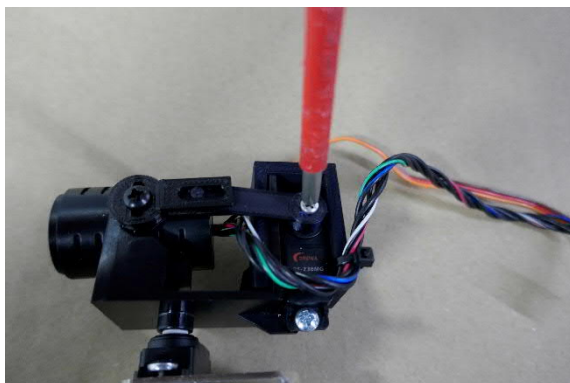
R-14: Place the supplied support bracket on the servo.



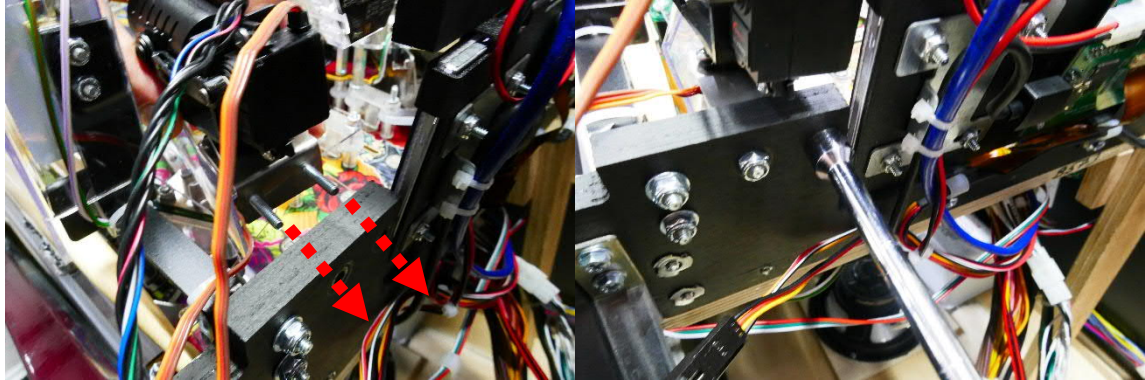
R-15: Fix the cable for the lighting in the hole provided using the cable tie supplied. **IMPORTANT!** Please lay the cable exactly as shown in the following picture. Otherwise, there is a risk that the cable will get jammed and damage the spotlight.



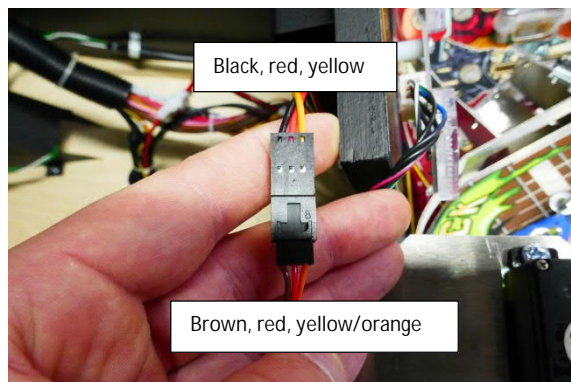
Mount the new spotlight arm and screw it tight. Make sure that the spotlight is screwed in at approximately the same angle as the old one.



R-16: Now the mechanics can be reinstalled in the unit. Carefully insert it through the holes in the back panel and screw it together with the 11/32" nuts.



R-17: Reconnect the two black connectors of the servos as well as the white connector for the lighting, pay attention to the polarity! Then return the cable to its original state. Make sure that no cable is under tension or is pinched. Use the cable ties provided for this purpose.



Reassemble the back cover. To do this, screw in the six 1/4" screws. Make sure that the cables have enough space and are not pinched.

