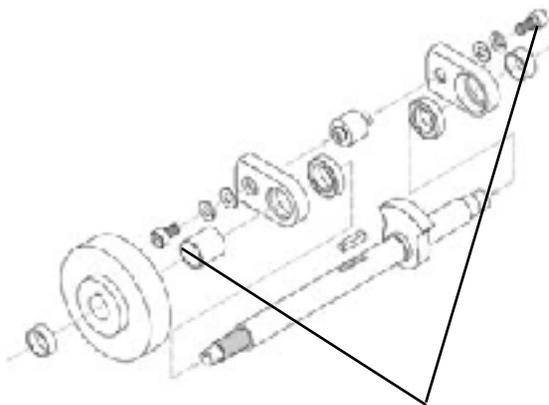


# SEGA SERVICE

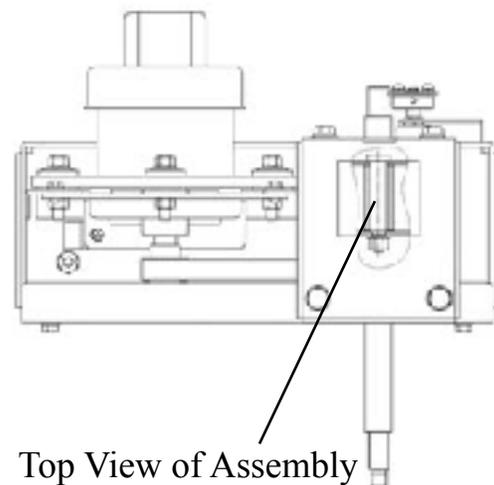
## Field Service Bulletin Initial D & Initial D2 All Models

**Problem:** Screws come loose on the stop mechanism of the Steering Assy. This causes the shaft to rotate unchecked (Steering Wheel will rotate farther than designed) and can cause damage to other parts of the assembly. Also, Steering Wheel hub may become damaged if the M12 nut that secures it comes loose.

**Solution:** Using the attached instructions, remove the 2ea Allen Bolts, clean and reinstall using Blue Loctite (242) on the threads. Tighten the screws. As a precaution, it is recommended to use Loctite on all screws during reassembly. When the Wheel is re-assembled, be sure to tighten the M12 Nut to 88 foot pounds (lbf/ft squared). Torque wrench is advised, and Loctite (242) is to be used.



Be certain to secure these screws with Loctite 242



Top View of Assembly  
Screws are beneath this plate.

# Control Panel removal and disassembly.

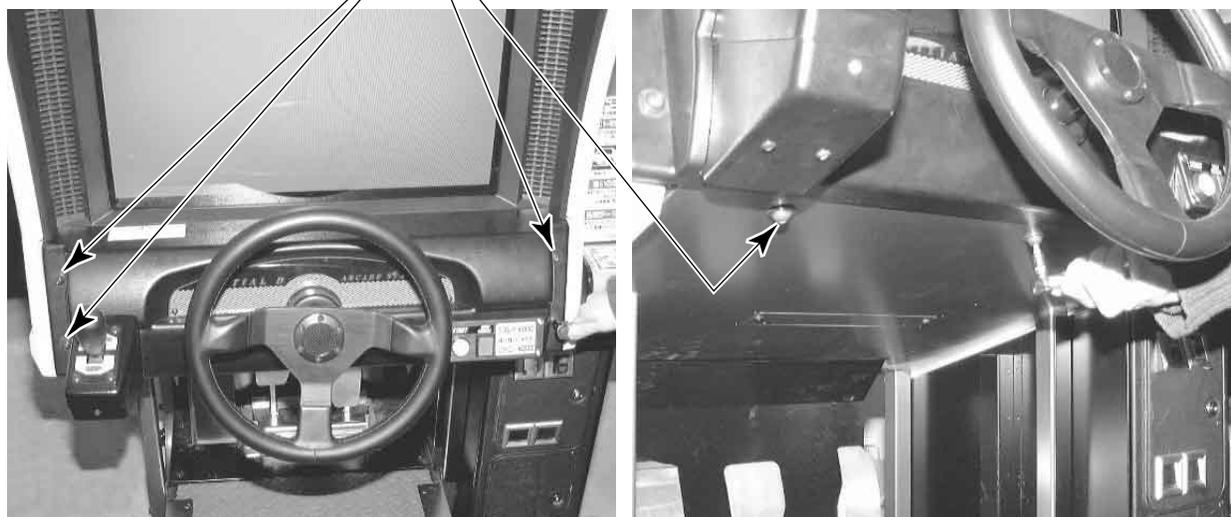
[P 2/6]

A 5 mm allen wrench is required for the following procedure.

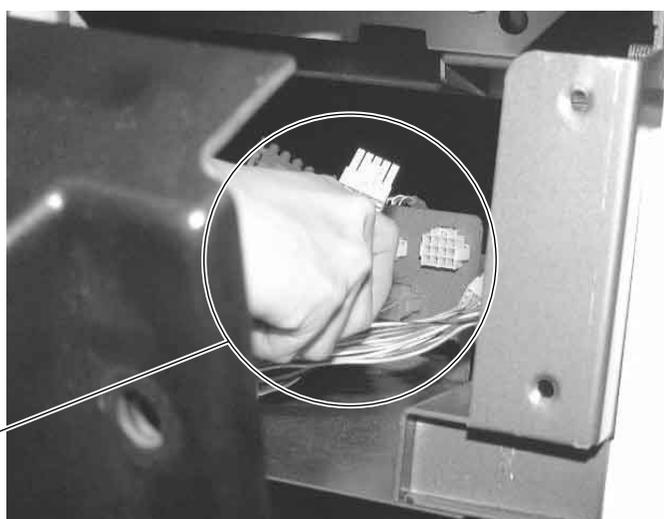
Turn off the power.

Remove the 6 allen screws from the Control Panel.

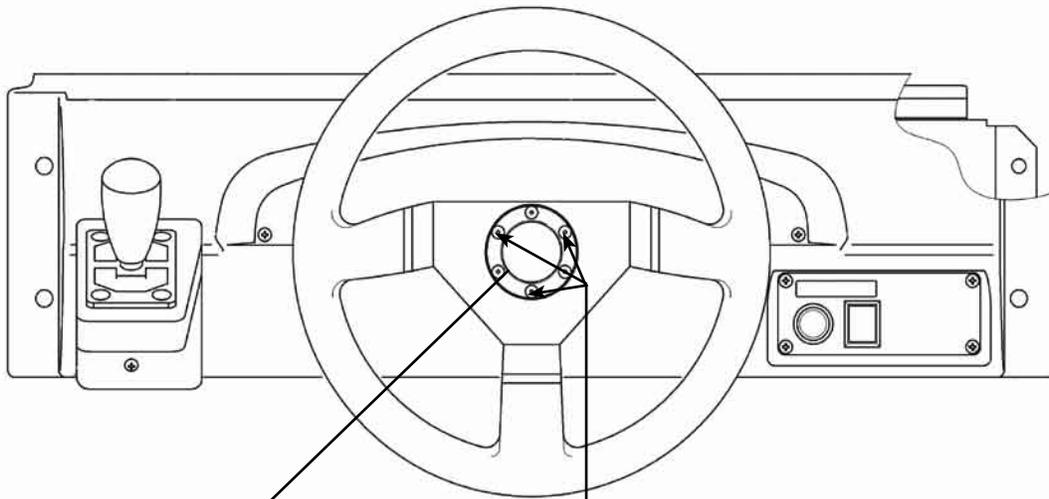
ALLEN SCREW (total 6), black



Unplug the 5 connectors and remove the Control Panel. Be careful not to damage any of the wiring.

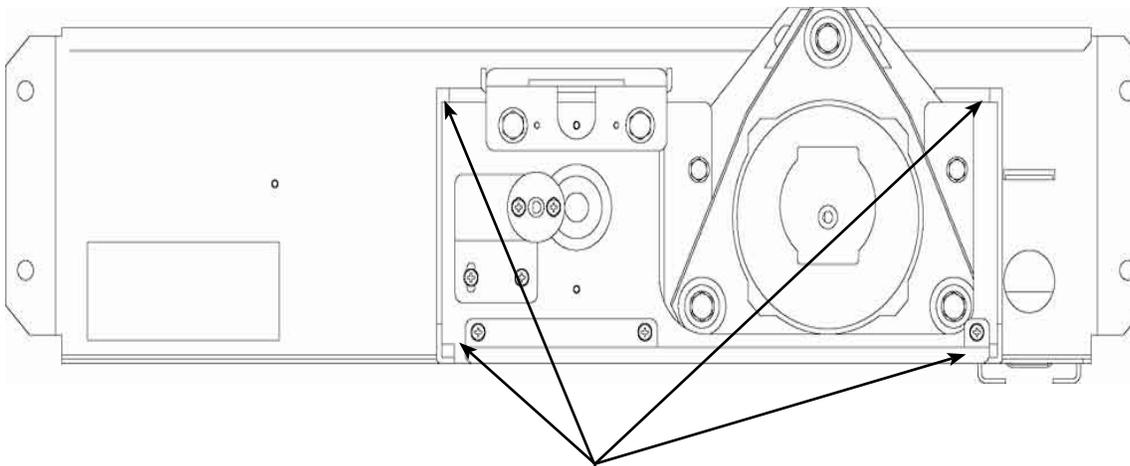


CONNECTOR (5)  
BROWN: 4P  
YELLOW: 10P,12P  
RED: 3P,6P



**IMPORTANT !!!!!**  
Use Blue Loctite (242) and secure M12 Steering wheel nut to 88 lbf/foot pounds squared upon reassembly !!!

remove the 3 screws located here with a 2.5 allen.  
then remove the M12 nut securing the steering wheel to the shaft with a 19mm socket.



Remove the Hardware from the control panel plate and separate the Steering Handle Assy from the plate.

TOOLS NEEDED:

[P 4/6]

- SOCKET WRENCH
- 13mm SOCKET
- 10mm SOCKET
- 2mm Allen Wrench



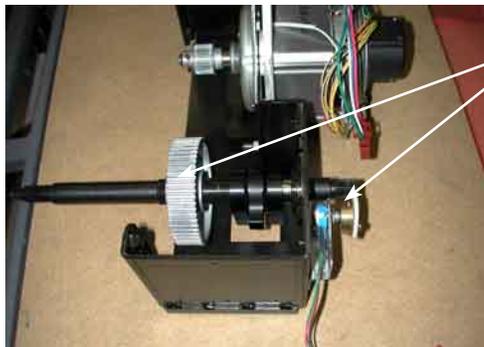
Remove these 4 13mm bolts to remove the stopper plate from the assembly.



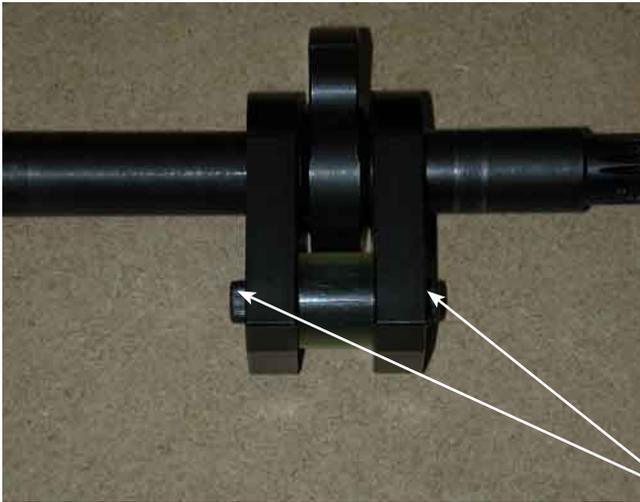
Remove these 4 10mm bolts



Slide the front plate off the assembly and off the shaft. Then remove the belt from the two pullys of the motor and the shaft.

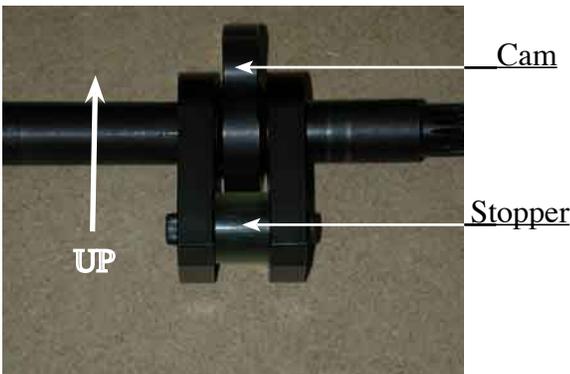


Slide the shaft out of the housing having a care for the volume pot in the rear. Using a 2mm Allen wrench, remove the pully from the shaft.

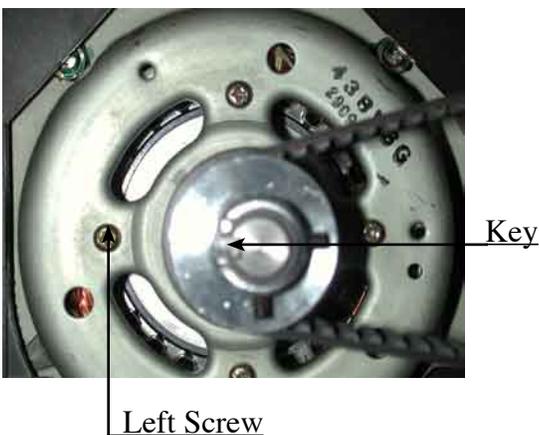


These are the two bolts which require Loctite (242). Reassemble by following these instructions in reverse having a care for the gold and black spacers.

CENTERING AND SETTING THE VOLUME FOR THE STEERING ASSEMBLY:



Be sure to center the shaft with the cam in the upwards position and the Stopper dangling downwards.



Then turn the motor until the key points to the left screw on the motor.

Now to put the belt on at this time allow enough roll in the pulley for the belt to go on over the pulley and still line up.

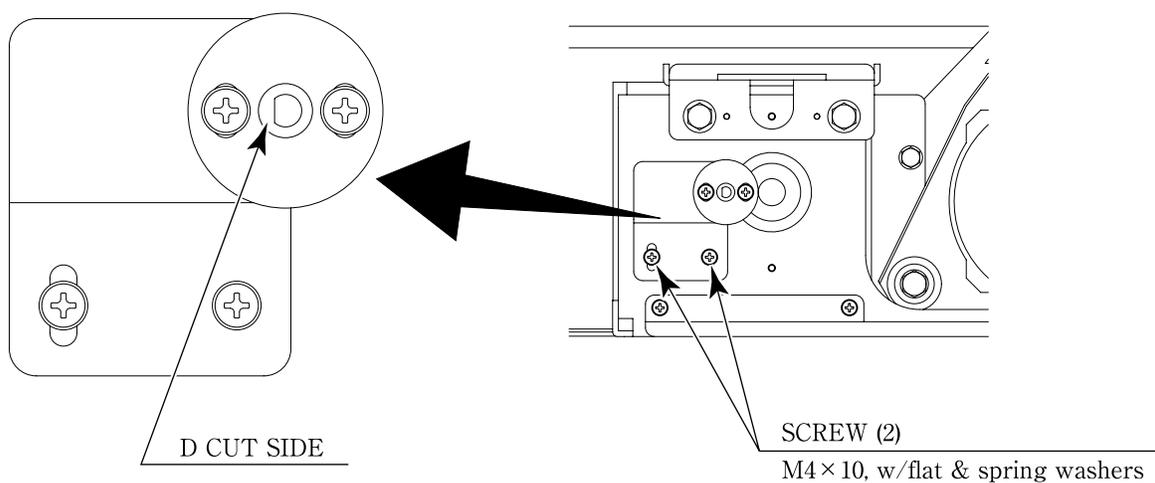
Check after the belt is on that the shaft is still centered and the key points to the left screw.

Center the Steering Wheel. Loosen the 2 screws that secure the VR Bracket and move the VR Bracket off the shaft gears to adjust the angle and condition of the gear alignment.

With an Ohm's meter, measure between the pink and green wires on the 5k $\Omega$  pot to a measurement of 2500 $\Omega$ .

Twist the bracket back up and allow the teeth to mesh between the gear and the shaft.

Tighten the 2 screws and secure the VR Base.



After making adjustments, use the Volume Setting Screen to set the Volume. The recommended value for the handle Volume is "80H" when the handle is set straight. Verify that the value decreases when the handle is rotated to the left and increases when rotated to the right. Use the Test Mode to view the Volume value.