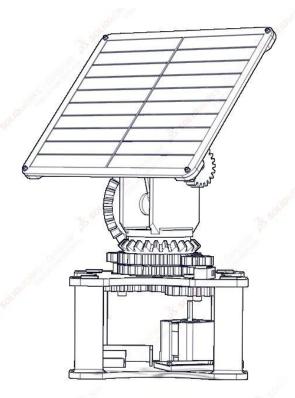
## **ESC Sun Tracker with One Actuator Motion Manual**



Description	BOMID	Oty
2489K23 One-Way Locking Needle-Roller Bearing Clutch	1	2
5972K322 Ball Bearing	2	2
6627T91 Stepper Motor	3	1
Azimuth - Base Gear	4	1
Azimuth - Bevel Secondary Gear	5	1
Azimuth - Electrical Slip Ring	6	1
Azimuth - Gear Spacer 1	7	1
Azimuth - One-Way Spur Gear	8	1
Azimuth - Shaft	9	2
Azimuth - Shaft Spur Gear	10	2
Azimuth - Spiir Secondary Gear	11	1
Base Gear - Driven Gear	12	1

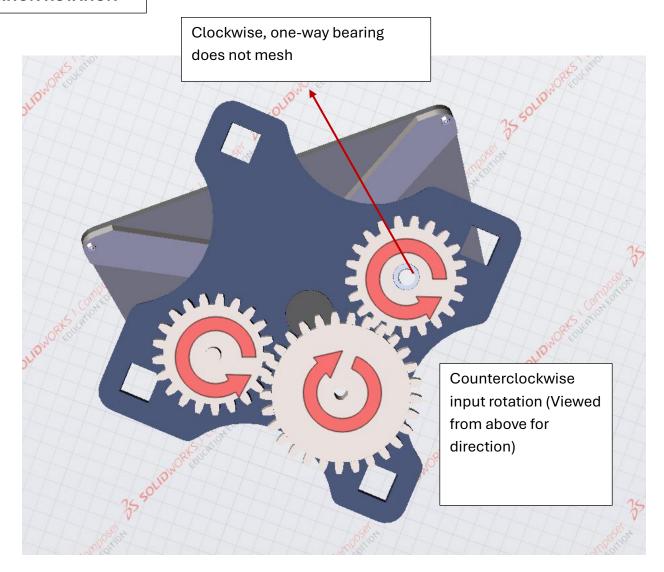
Description	BOM ID	Qty
Base Gear - Driven Gear (OW Bearing)	13	1
Base Gear - Driver Gear	14	1
Elevation Linkage - Coupler Linkage	15	3
Elevation Linkage - Crank Cam Linkage 1	16	1
Elevation Linkage - Linkage Joint	17	4
Elevation Linkage - Linkage Joint Cap	18	ò
Elevation Linkage - Rocker Linkage 5	19	1
Elevation Rotation - Driven Bevel Gear	20	1
External Housing - Elevation Orienting Cap	21	1
External Housing - Gear Base	22	1
indented hex flange head machine screw_am	32	4
instrumen, ball bearing, 68, am	33	2

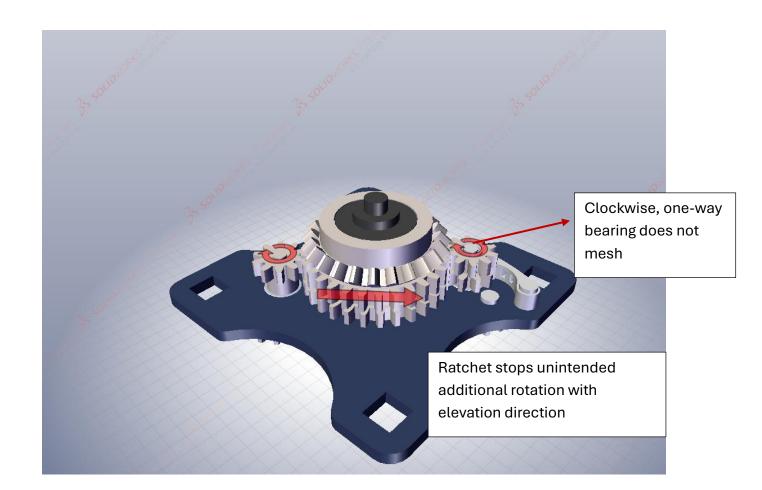
Description	BOM ID	Qty
New Chassis	23	1
prevailing torque hex nut am	34	4
Ratchet - Post Mount	24	2
Ratchet - Spring Loaded Pawl	25	1
Solar Mount - Driving Gear	26	1
Solar Mount - Segmented Driven Gear	27	2
Solar Mount - Solar Panel Connection	29	1
Solar Mount - Solar Panel Sim	28	1
Solar Mount - Through Pin	30	1

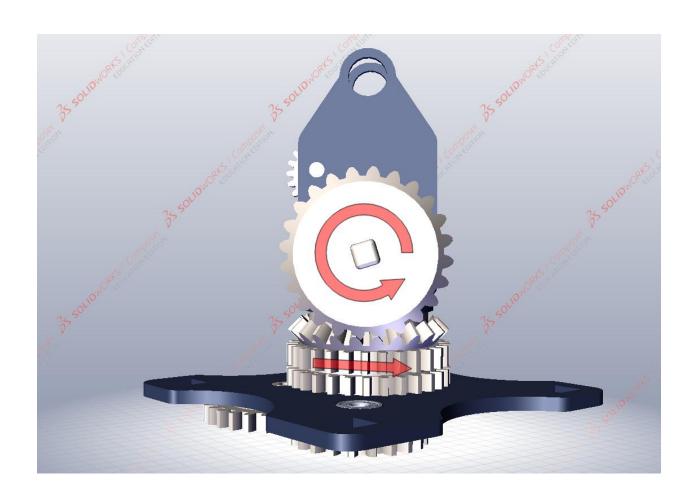
## **PSU LF Capstone**

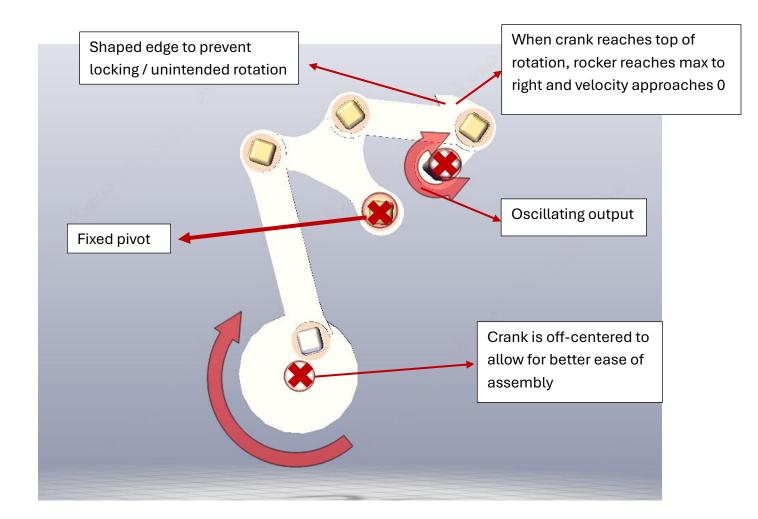
Matthew Kuzmich Logan Ellenberger Jake Licata Michael Day David Gogiberidze Saje Behari Jeffery Su

## **ELEVATION ROTATION**

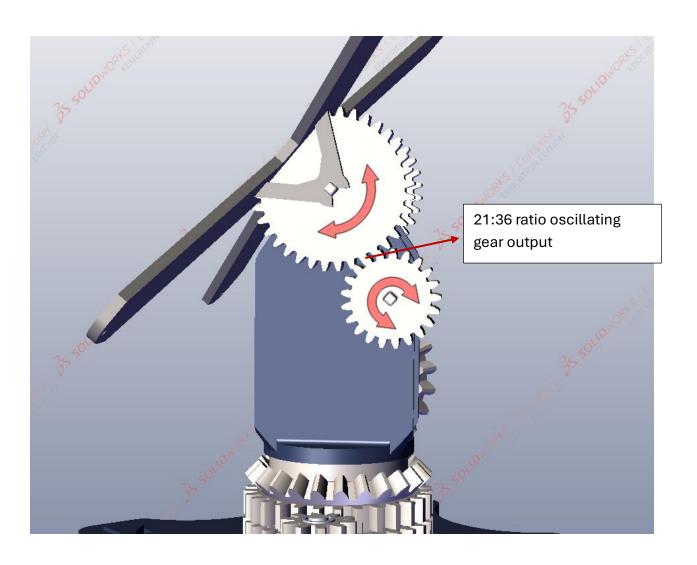








Six bar linkage: Crank and rocker. Two four bar loops.



## **AZIMUTH ROTATION**

