



# SOLIDWORKS 2025 TUTORIALS

## CWV Cluster Wheel Vehicle

### Table of Contents

	Printed ✓	Chapters	Page
Part	<input type="checkbox"/>	1 Washer .....	1-1
Part	<input type="checkbox"/>	2 Axle Cap .....	2-1
Part	<input type="checkbox"/>	3 Axles (4) Front 82.7 Rear 35 Rim 23 Idler 6.4 .....	3-1
Part	<input type="checkbox"/>	4 Outside Cluster Bracket.....	4-1
Part	<input type="checkbox"/>	5 Inside Cluster Bracket.....	5-1
Part	<input type="checkbox"/>	6 Middle Cluster Bracket.....	6-1
Tool Box	<input type="checkbox"/>	7 Drive (ID2.17) and Idler (ID2.3 Gears 10T .9M) ....	7-1
Tool Box	<input type="checkbox"/>	8 Front and Rear Sprocket (Gear) 12T 1M .....	8-1
Tool Box	<input type="checkbox"/>	9 Set Toolbox Files Properties.....	9-1
Part	<input type="checkbox"/>	10 Rim.....	10-1
Part	<input type="checkbox"/>	11 Tire.....	11-1
Assembly	<input type="checkbox"/>	12 Cluster Assembly.....	12-1
Part	<input type="checkbox"/>	13 Chain Link .....	13-1
Part	<input type="checkbox"/>	14 Motor .....	14-1
Part	<input type="checkbox"/>	15 Gearbox.....	15-1
Part	<input type="checkbox"/>	16 Gearbox Shaft.....	16-1
Part	<input type="checkbox"/>	17 Motor Bracket.....	17-1
Part	<input type="checkbox"/>	18 Motor Strap.....	18-1
Assembly	<input type="checkbox"/>	19 Motor Assembly.....	19-1
Part	<input type="checkbox"/>	20 Battery AA with Decals.....	20-1
Part	<input type="checkbox"/>	21 Spring for Battery Holder .....	21-1
Part	<input type="checkbox"/>	22 Rivet for Battery Holder .....	22-1
Part	<input type="checkbox"/>	23 Battery Holder 2X AA .....	23-1
Assembly	<input type="checkbox"/>	24 Battery Holder 2X AA Assembly.....	24-1
Part	<input type="checkbox"/>	25 Master Model .....	25-1
Part	<input type="checkbox"/>	26 Hatch .....	26-1
Part	<input type="checkbox"/>	27 Chassis.....	27-1
Part	<input type="checkbox"/>	28 Sunroof.....	28-1
Assembly	<input type="checkbox"/>	29 CWV Assembly.....	29-1
Part	<input type="checkbox"/>	30 Bed Panel .....	30-1
Part	<input type="checkbox"/>	31 On/Off Switch.....	31-1
Visualize	<input type="checkbox"/>	32 Render in Visualize .....	32-1

**Filament:**

**eSUN 3mm Olive Green PLA 2.85mm**

**eSUN Olive Green PLA 1.75mm**

**Paramount 3D Military Khaki PLA 3.00mm**

**Parts:**

**Aoicrie DC Electric Motor 3V-6V Dual Shaft Geared TT Magnetic Gearbox 6 Pieces**

**DYWISHKEY 2.0mm x 100mm Aluminum Rods 20 Pieces**

**Lego Technic Chain Link 100 Pieces**

**Push Button Switch On Off Self-Lock Latching DC 30pcs**

**Battery Holder Case 12Pcs 2 x 1.5VAA with Wire Leads**

