







270-7921 VEX V5 POE/CIM CUSTOM KIT

Part Number	Picture	Description	Qty
276-7000		<p style="text-align: center;">V5 System Bundle</p> <ul style="list-style-type: none"> • 276-4810 V5 Robot Brain (1) • 276-4811 V5 Robot Battery (1) • 276-4812 Bulk V5 Robot Battery Charger (1) • 276-4817-100 V5 Power Cable - 180mm (1) • 276-4820 V5 Controller (1) • 276-4831 V5 Radio (1) • 276-4840 V5 Smart Motor (4) • 228-2785 USB Cable (1) • 276-4810-009 Brain Flange Short (2) • 276-4810-010 Brain Flange Long (2) • 276-6020-001 Battery Clip (2) • 276-6364 V5 Smart Cables (Starter Pack) (1) 	1
270-7247-803		<p style="text-align: center;">PLTW V5 Gateway / POE Upgrade Kit</p> <ul style="list-style-type: none"> • 276-4810 V5 Robot Brain (1) • 276-4811 V5 Robot Battery (1) • 276-4812 Bulk V5 Robot Battery Charger (1) • 276-4817-100 V5 Power Cable - 180mm (1) • 228-2785 USB Cable (1) • 276-4810-009 Brain Flange Short (2) • 276-4810-010 Brain Flange Long (2) • 276-6020-001 Battery Clip (2) 	1
270-7248-801		<p style="text-align: center;">PLTW V5 Upgrade Kit for AE & POE</p> <ul style="list-style-type: none"> • 276-7043 V5 Optical Sensor (1) • 276-4852 V5 Distance Sensor (1) • 276-4840 V5 Smart Motor (1) • 276-6364 V5 Smart Cables (Starter Pack) (1) 	1

270-7921 VEX V5 POE/CIM CUSTOM KIT

Part Number	Picture	Description	Qty
270-8929		<p style="text-align: center;">PLTW POE Base Kit 1</p> <ul style="list-style-type: none"> • 276-1424 3-Wire Extension Cables (Large Bundle) (1) • 276-1149 Drive Shaft 12" (4-pack) (1) • 276-2232-800 Hardware Components Box (1) • 276-2232-801 Structural Elements Box (1) • 276-2161 Metal & Hardware Kit (1) • 276-2176 LED Indicator Pack (1) • 276-2184 Advanced Gear Kit (1) • 276-2214 Tank Tread Upgrade Kit (1) • 276-2252 High Strength Sprocket & Chain Kit (1) • 276-4858 Bumper Switch v2 (2-pack) (1) • 276-6558 Tank Tread Kit (was 276-2168) (1) • 276-1546 Winch and Pulley Kit (2) • 276-2169 Gear Kit (2) • 276-2174 Limit Switch (2-pack) (2) • 276-1209 Bearing Flat (10-pack) (2) • 276-5236-002 T15 Star Drive Screwdriver (6) • 276-5011-001 T15 Star Drive Key (8) • 276-5012-001 T8 Star Drive Key (8) • 276-6103 "Star Drive Shaft Collar (16-pack) (2) 	1
270-8930		<p style="text-align: center;">PLTW POE Base Kit 2</p> <ul style="list-style-type: none"> • 228-3510 Rubber Shaft Collar (30-pack) (3) • 276-1032 4" Zip Ties (100-pack) (1) • 276-1926 Linear Motion Kit (1) • 276-2906 C-Channel 1x2x1x35 (2-pack) (1) • 276-4991 #8-32 x 3/8" Star Drive Screw (100-pack) (1) • 276-4992 #8-32 x 1/2" Star Drive Screw (100-pack) (1) • 276-4994 #8-32 x 3/4" Star Drive Screw (100-pack) (1) • 275-1027 #8-32 Nylock Nut (100-pack) (1) • 276-6481 1-Post Hex Nut Retainer w/ Bearing Flat (10-pack) (3) • 276-6482 1-Post Hex Nut Retainer (10-pack) (3) • 276-6483 4-Post Hex Nut Retainer (10-pack) (3) • 276-7417 Potentiometer v2 (2 Pack) (1) • 276-7771-800 260mm Travel Anti-Static Wheel (2-Pack) (3) • 276-8019 Click-On Spacers Variety Pack (3) • 276-8026-800 260mm Travel Omni-Directional Anti-Static Wheel (2-Pack) (1) • 276-8028-001 Gear Crank Arm (23T) (2) • 276-8034 High Strength Shaft Adapter (#8 Round Bore, 1/2" Long) (1) • 276-8235 High Strength Shaft Adapter(1/8" Square Bore, 1/2" Long) (1) • 280-7752-000 EXP Plastic Field Tile (4) 	1

270-7921 VEX V5 POE/CIM CUSTOM KIT

Part Number	Picture	Description	Qty
280-8071		<p style="text-align: center;">EXP Bin 2 Structure</p> <ul style="list-style-type: none"> • 4x 1x2x1 Channel (4) • 8x 1x2x1 Channel (4) • 12x 1x2x1 Channel (6) • 16x 1x2x1 Channel (6) • 4x4 Flat Plate (2) • 4x16 Flat Plate (2) • 2x4 Flat Plate (4) • 2x8 Flat Plate (2) • 2x12 Flat Plate (2) • 2x16 Flat Plate (2) • 1x4 Flat Bar (4) • 1x8 Flat Bar (4) • 1x12 Flat Bar (2) • 1x16 Flat Bar (4) • Robot Brain Mounting Bracket (1) • 30 Degree Flat Gusset (4) • 30 Degree Bent Gusset (2) • 45 Degree Flat Gusset (4) • 45 Degree Bent Gusset (2) • 60 Degree Flat Gusset (4) • 60 Degree Bent Gusset (2) • 90 Degree Flat Gusset (4) • 90 Degree Bent Gusset (2) 	1