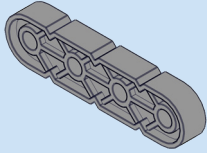
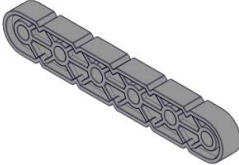
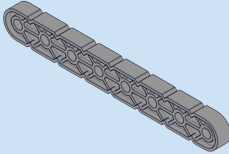
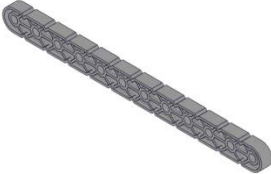
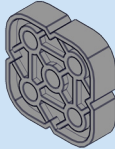
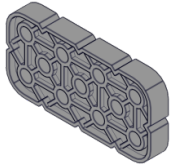
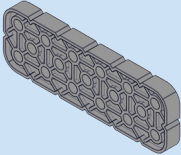


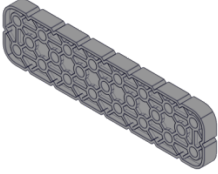
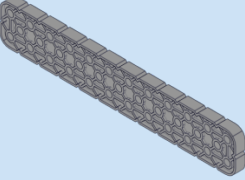
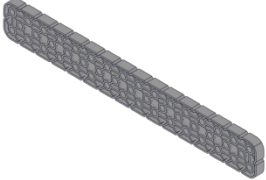
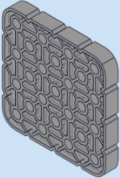
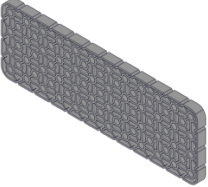

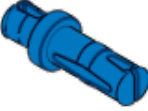
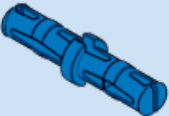
PLTW VEX IQ

Robot Design Kit Contents

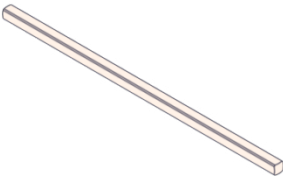
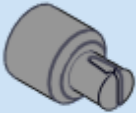
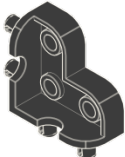





For Kits Shipped on/before 4/14/2022

Part Number	Picture	Name	QTY	Kit
228-2500-003		1x4 Beam	10	228-2500-901
228-2500-005		1x6 Beam	10	228-2500-901
228-2500-007		1x8 Beam	12	228-2500-901
228-2500-011		1x12 Beam	6	228-2500-901
228-2500-017		2x2 Beam	8	228-2500-901
228-2500-019		2x4 Beam	8	228-2500-901
228-2500-021		2x6 Beam	8	228-2500-901

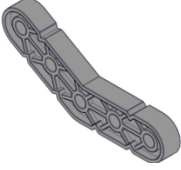
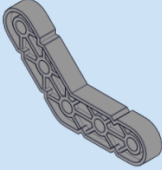
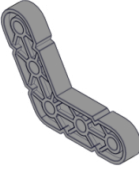
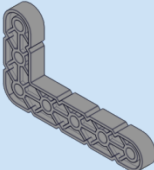
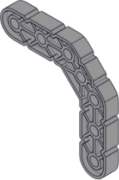
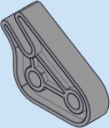




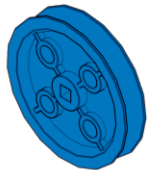
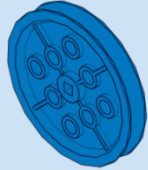
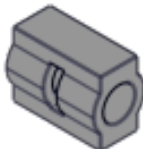
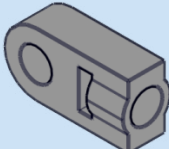

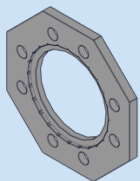
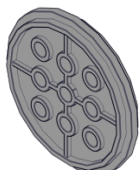
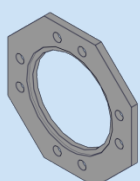
Part Number	Picture	Name	QTY	Kit
228-2500-023		2x8 Beam	8	228-2500-901
228-2500-026		2x12 Beam	6	228-2500-901
228-2500-028		2x16 Beam	6	228-2500-901
228-2500-040		4x4 Plate	4	228-2500-901
228-2500-045		4x12 Plate	2	228-2500-901
228-2500-060		1x1 Connector Pin	240	228-3058
228-2500-061		1x2 Connector Pin	60	228-3058
228-2500-062		2x2 Connector Pin	20	228-3058


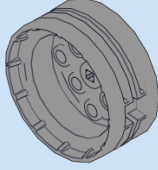





Part Number	Picture	Name	QTY	Kit
228-2500-064		0.5x Standoff	6	228-2500-902
228-2500-065		1x Standoff	6	228-2500-902
228-2500-067		2x Standoff	12	228-2500-902
228-2500-070		4x Standoff	10	228-2500-902
228-2500-072		6x Standoff	10	228-2500-902
228-2500-112		Washer	40	228-2500-904
228-2500-114		0.5x Spacer	50	228-2500-904
228-2500-117		2x Shaft	2	228-2500-904
228-2500-120		4x Shaft	4	228-2500-904
228-2500-122		6x Shaft	4	228-2500-904

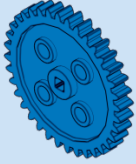
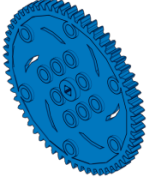
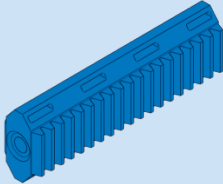
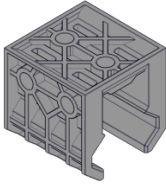
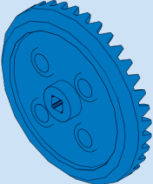
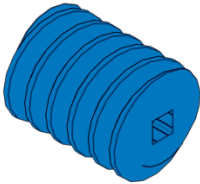
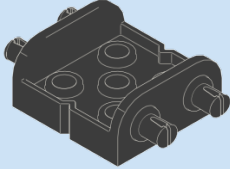
Part Number	Picture	Name	QTY	Kit
228-2500-124		8x Shaft	2	228-2500-904
228-2500-125		Shaft Bushing	4	228-2500-902
228-2500-126		Large Chassis Corner Connector	10	228-2500-902
228-2500-127		Small Chassis Corner Connector	30	228-2500-902
228-2500-128		2x Wide, 1x2 Corner Connector	10	228-2500-902
228-2500-130		1x Wide, 1x1 Offset Corner Connector	20	228-2500-902
228-2500-131		2x Wide, 2x1 Offset Corner Connector	8	228-2500-902
228-2500-132		2x Wide, 2x1 Corner Connector	6	228-2500-902

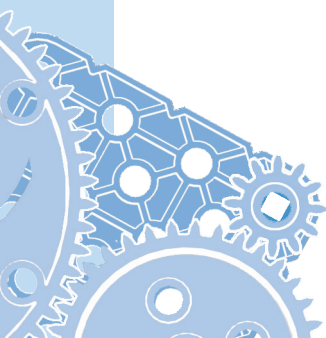
Part Number	Picture	Name	QTY	Kit
228-2500-133		2x Wide, 1x1 Offset Corner Connector	6	228-2500-902
228-2500-134		2x Wide, 2x2 Corner Connector	10	228-2500-902
228-2500-135		2x Wide, 1x2 Offset Corner Connector	8	228-2500-902
228-2500-140		2x2 Lock Plate	2	228-2500-902
228-2500-141		1x3 Center Lock Plate	4	228-2500-902
228-2500-143		Rubber Shaft Collar	40	228-2500-902
228-2500-144		3x4 Tee Beam	4	228-2500-901
228-2500-145		2x3 Right Angle Beam	4	228-2500-901

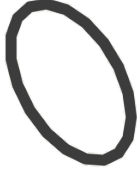





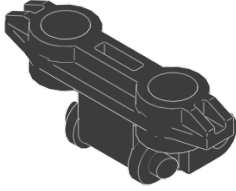
Part Number	Picture	Name	QTY	Kit
228-2500-147		3x3 30 Degree Angle Beam	4	228-2500-901
228-2500-148		3x3 45 Degree Angle Beam	4	228-2500-901
228-2500-149		3x3 60 Degree Angle Beam	4	228-2500-901
228-2500-150		3x5 Right Angle Beam	4	228-2500-901
228-2500-151		4x4 Offset Right Angle Beam	6	228-2500-901
228-2500-157		Rubber Band Anchor	2	228-2500-904
228-2500-163		10mm Diameter Pulley	2	228-2500-905
228-2500-164		20mm Diameter Pulley	6	228-2500-905 228-2523

Part Number	Picture	Name	QTY	Kit
228-2500-165		30mm Diameter Pulley	2	228-2500-905
228-2500-166		40mm Diameter Pulley	2	228-2500-905
228-2500-170		Mini Standoff Connector	12	228-2500-902
228-2500-172		End Standoff Connector	8	228-2500-902
228-2500-191		Thrust Bearing Smooth Bushing	3	228-2500-951
228-2500-193		Thrust Bearing Housing	6	228-2500-951
228-2500-194		Large Thrust Bearing Smooth Bushing	2	228-2500-951
228-2500-195		Large Thrust Bearing Housing	4	228-2500-951

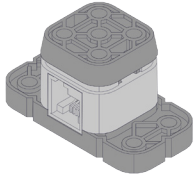
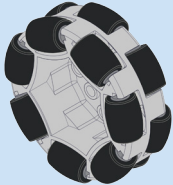
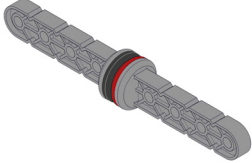
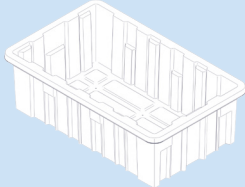
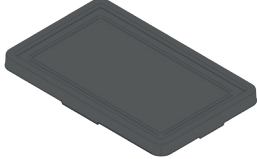
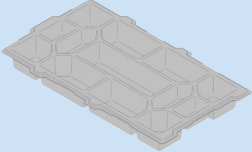


Part Number	Picture	Name	QTY	Kit
228-2500-207		Tire (100mm)	4	228-2523
228-2500-208		Small Wheel Hub	6	228-2523
228-2500-209		Tire (200mm Travel)	4	228-2523
228-2500-210		Tire (160mm Travel)	4	228-2523
228-2500-211		Large Wheel Hub	4	228-2523
228-2500-212		Tire (250mm Travel)	4	228-2523
228-2500-213		12 Tooth Gear	10	228-2532

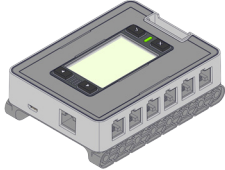
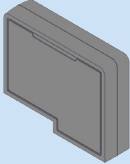
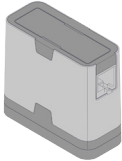




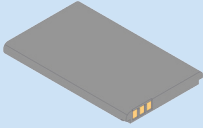
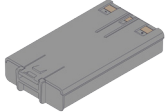
Part Number	Picture	Name	QTY	Kit
228-2500-214		36 Tooth Gear	10	228-2532
228-2500-215		60 Tooth Gear	6	228-2532
228-2500-216		Rack Gear	8	228-2532
228-2500-217		Linear Slider	4	228-2532
228-2500-218		36 Tooth Crown Gear	4	228-2532
228-2500-219		Worm Gear	2	228-2532
228-2500-220		Worm Bracket	6	228-2532



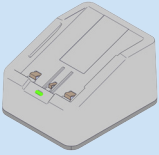



Part Number	Picture	Name	QTY	Kit
228-2500-221		30mm Belt	2	228-2500-905
228-2500-222		40mm Belt	2	228-2500-905
228-2500-223		50mm Belt	2	228-2500-905
228-2500-224		60mm Belt	2	228-2500-905
228-2500-225		Clamping Shaft Collar Inside	4	228-2500-904
228-2500-226		Clamping Shaft Collar Outside	4	228-2500-904
228-2534-002		Tank Tread Link	200	228-2878

Part Number	Picture	Name	QTY	Kit
228-2534-005		24 Tooth Sprocket	4	228-2878
228-2534-008		Traction Link	20	228-2878
228-2534-009		Short Intake Flap	20	228-2878
228-2534-010		Medium Intake Flap	20	228-2878
228-2534-011		Long Intake Flap	20	228-2878
228-3010		Touch LED	1	228-3010
228-3012		Color Sensor	1	228-3012

Part Number	Picture	Name	QTY	Kit
228-2677		Bumper Switch	2	228-2677
228-2536		200mm Travel Omni Wheel	2	228-2536
228-3167		Magnetic Beam Pair	1	228-3167
228-2929-001		Storage Bin	1	
228-2929-002		Storage Lid	1	
228-2930-001		Tray	1	
228-2930-002		Separator	1	
228-2530		VEX Controller	1	228-2530

Part Number	Picture	Name	QTY	Kit
228-2540		Robot Brain	1	228-2540
228-2621		900MHz Radio	2	228-2621
228-2560		Smart Motor	4	228-2560
228-2780-001		200mm Smart Cable	4	228-2780
228-2780-002		300mm Smart Cable	4	228-2780
228-2780-003		400mm Smart Cable	2	228-2780
228-2780-004		600mm Smart Cable	2	228-2780
228-2779		VEX Controller Battery	1	228-2779
228-2604		Robot Battery	1	228-2604

Part Number	Picture	Name	QTY	Kit
228-2785		USB Cable	1	228-2785
228-2786		Tether Cable	1	228-2786
228-2743		Robot Battery Charger	1	228-2743
276-2520		Battery Charger Power Cord	1	276-2520