



VEX IQ Challenge Illegal Parts

2019-2020

This document exists to help clarify the exceptions that fall under <R6b> and <R6c> (parts that were released in official kits but are not legal for use). In general, any parts that are released in VEX IQ or VEX Robotics by HEXBUG kits that are not found in this document would be considered legal for use.

<R6> Robots may be built ONLY from Official *Robot* Components from the VEX IQ product line, unless otherwise specifically noted within these rules.

- a. During inspections if there is a question about whether something is an official VEX IQ component, a team will be required to provide documentation to an inspector that proves the component's source. Such types of documentation include receipts, part numbers, or other printed documentation.
- b. Only the VEX IQ components specifically designed for use in *Robot* construction are allowed. Using additional components outside their typical purpose is against the intent of the rule (i.e. please don't try using VEX IQ apparel, team or event support materials, packaging, field elements or other non-robot products on a VEX IQ Challenge *Robot*).
- c. Products from the VEX EDR or VEXpro product line cannot be used for *Robot* construction. Products from the VEX product line that are also cross listed as part of the VEX IQ product line are legal.
- d. Mechanical/structural components, aside from those excluded below, from the VEX Robotics by HEXBUG product line are legal for *Robot* construction. However, electrical components from the VEX Robotics by HEXBUG product line are illegal for *Robot* construction.

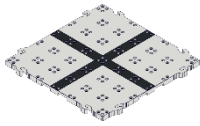
The following mechanical and structural components from the VEX Robotics by HEXBUG product line are excluded:
 - i. All rubber bands
- e. Official Robotics Components from the VEX IQ product line that have been discontinued are still legal for *Robot* use. However, teams must be aware of <R6a>.
- f. 3D printed versions of VEX IQ components are not legal for use.

This document is current as of July 16, 2019 and is subject to change whenever new VEX IQ, VEX Robotics by HEXBUG, or other legal components are released. The most recent version of this document can always be found at www.vexrobotics.com. Questions concerning part legality can be posted in the official VEX IQ Challenge Q&A Forum, found at www.vexiqforum.com.

VEX IQ Challenge 2019-2020 Illegal Parts

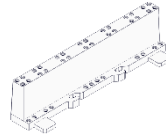


228-2550-001



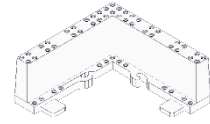
VEX IQ Field Tile
228-2984-011

228-2550-003

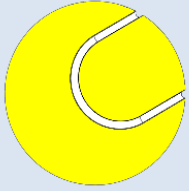


VEX IQ Field Perimeter Wall
228-2984-019

228-2550-004



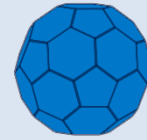
VEX IQ Field Corner Wall
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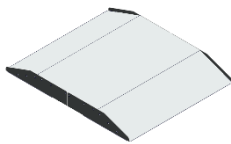
Rings N Things Tennis Ball
228-2984-100



Rings N Things/Add It Up PVC Pipe



Add It Up Mini Buckeyball (80mm)



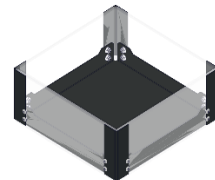
Rings N Things Sheet Metal Ramp
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228-2984-102

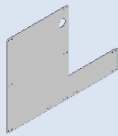


Rings N Things High Goal

228-2984-102

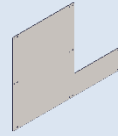


Rings N Things Low Goal



Add It Up Scoring Goal Lexan
228-2984-018

228-2984-016

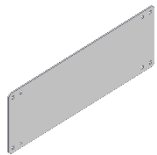


Add It Up Scoring Goal Lexan
276-1556-003-BLUE

228-2984-017



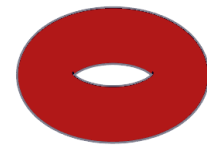
Add It Up High Goal Lexan
276-1556-003-RED



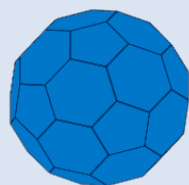
Add It Up Low Goal Lexan
228-2728-010



Rings N Things/Add It Up Blue Toroid

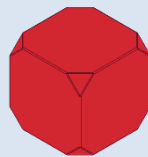


Rings N Things Red Toroid



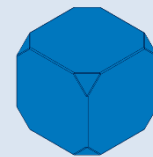
Add It Up Buckeyball

228-3251-001



Highrise Red Blow-Molded Cubes

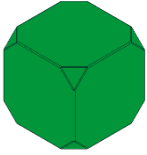

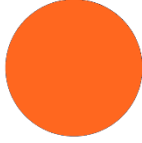


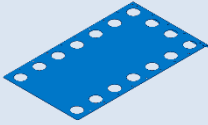
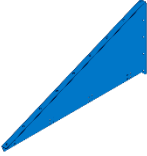

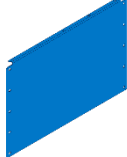

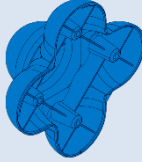
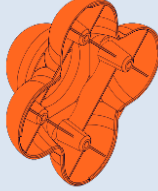
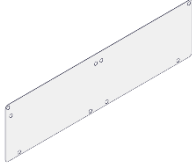
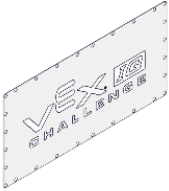
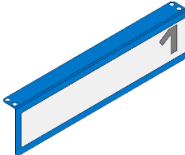
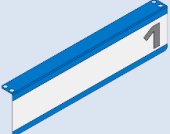
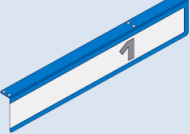
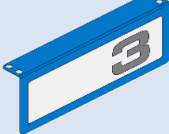
228-3251-002



Highrise Blue Blow-Molded Cubes

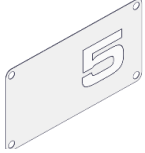
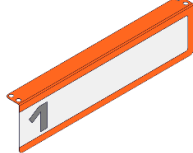
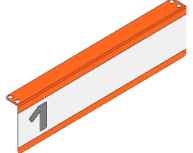
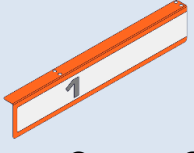
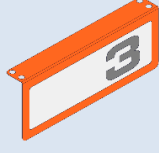
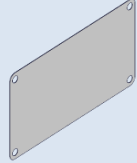
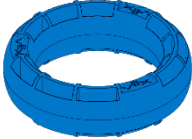
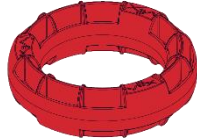
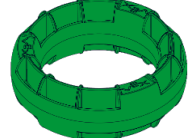
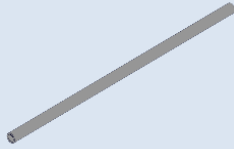




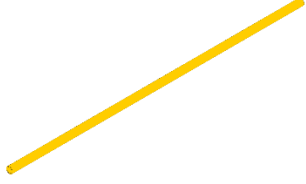
VEX IQ Challenge 2019-2020 Illegal Parts



<p>228-3251-003</p>  <p>Highrise Green Blow-Molded Cubes</p>	<p>228-3251-004</p>  <p>Highrise Flag</p>	<p>228-4251-001</p>  <p>Bank Shot/Squared Away Orange Balls</p>
<p>228-4251-013</p>  <p>Bank Shot Scoring Goal Lexan</p>	<p>228-4251-014</p>  <p>Bank Shot Scoring Goal Lexan</p>	<p>228-4251-015</p>  <p>Bank Shot Ramp Lexan</p>
<p>228-4844-016</p>  <p>Bank Shot Ramp Lexan</p>	<p>228-4251-017</p>  <p>Bank Shot Ramp Lexan</p>	<p>228-4251-018</p>  <p>Bank Shot Ramp Lexan</p>
<p>228-4251-019</p>  <p>Bank Shot PVC Pipe</p>	<p>228-4844-001</p>  <p>Crossover Blue Half Hexball</p>	<p>228-4844-011</p>  <p>Crossover Orange Half Hexball</p>
<p>228-4844-101</p>  <p>Crossover Large Clear Plastic Sheet</p>	<p>228-4844-102</p>  <p>Crossover Bridge Plastic Sheet</p>	<p>228-4844-103</p>  <p>Crossover Blue Scoring Zone Plastic Sheet</p>
<p>228-4844-104</p>  <p>Crossover Blue Scoring Zone Plastic Sheet</p>	<p>228-4844-105</p>  <p>Crossover Blue Scoring Zone Plastic Sheet</p>	<p>228-4844-106</p>  <p>Crossover Blue Low Goal Plastic Sheet</p>

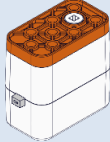
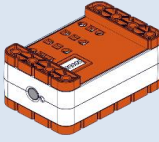
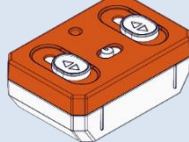
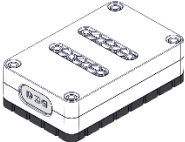
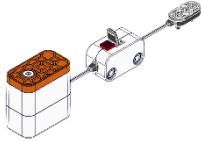
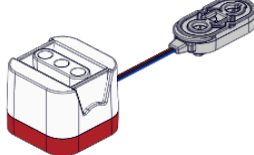
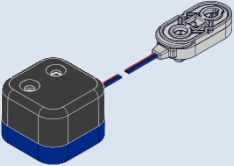
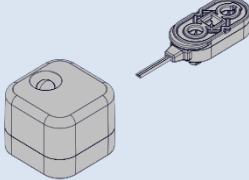
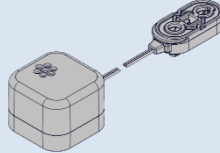
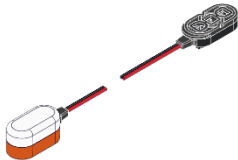
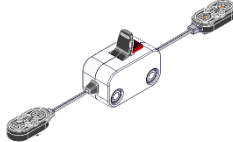


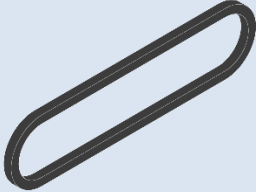
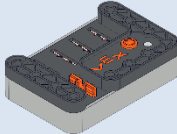
VEX IQ Challenge 2019-2020 Illegal Parts



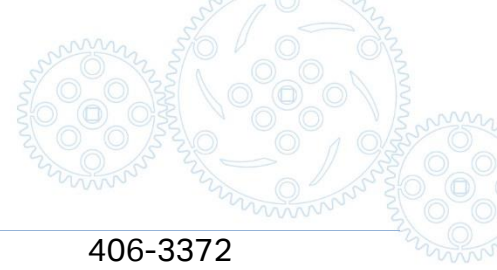
<p>228-4844-107</p>  <p>Crossover High Goal Plastic Sheet</p>	<p>228-4844-113</p>  <p>Crossover Orange Scoring Zone Plastic Sheet</p>	<p>228-4844-114</p>  <p>Crossover Orange Scoring Zone Plastic Sheet</p>
<p>228-4844-115</p>  <p>Crossover Orange Scoring Zone Plastic Sheet</p>	<p>228-4844-116</p>  <p>Crossover Orange Low Goal Plastic Sheet</p>	<p>228-4844-117</p>  <p>Crossover Small Clear Plastic Sheet</p>
<p>228-5371-001</p>  <p>Ringmaster Blue Ring</p>	<p>228-5371-002</p>  <p>Ringmaster Red Ring</p>	<p>228-5371-003</p>  <p>Ringmaster Green Ring</p>
<p>228-5371-004</p>  <p>Ringmaster Long PVC Pipe</p>	<p>228-5371-005</p>  <p>Ringmaster Short PVC Pipe</p>	<p>228-5371-010</p>  <p>Ringmaster Medium PVC Pipe</p>
<p>228-5682-001</p>  <p>Next Level Orange Hub</p>	<p>228-5682-002</p>  <p>Next Level Yellow Bonus Hub</p>	<p>228-5682-003</p>  <p>Next Level Hanging Bar PVC Pipe</p>

VEX IQ Challenge 2019-2020 Illegal Parts

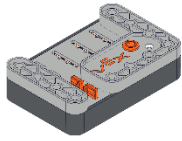


<p>406-3388-901</p>  <p>VEX Robotics by HEXBUG Motor</p>	<p>406-3388-902</p>  <p>VEX Robotics by HEXBUG Brain</p>	<p>406-3388-903</p>  <p>VEX Robotics by HEXBUG Transmitter</p>
<p>406-3388-904</p>  <p>VEX Robotics by HEXBUG Battery Box</p>	<p>406-3388-907</p>  <p>VEX Robotics by HEXBUG Motor with Inline Switch</p>	<p>406-3388-911</p>  <p>VEX Robotics by HEXBUG Bump Sensor</p>
<p>406-3388-912</p>  <p>VEX Robotics by HEXBUG IR Sensor</p>	<p>406-3388-913</p>  <p>VEX Robotics by HEXBUG Light Sensor</p>	<p>406-3388-914</p>  <p>VEX Robotics by HEXBUG Sound Sensor</p>
<p>406-3388-915</p>  <p>VEX Robotics by HEXBUG LED Module</p>	<p>406-3388-917</p>  <p>VEX Robotics by HEXBUG Switched Extension Cable</p>	<p>228-2500-470</p>  <p>#64 Rubber Band</p>
<p>499-2850-056</p>  <p>#64 Rubber Band</p>	<p>499-2850-057</p>  <p>#12 Rubber Band</p>	<p>406-3368</p>  <p>VEX Pilot Brain</p>

VEX IQ Challenge 2019-2020 Illegal Parts

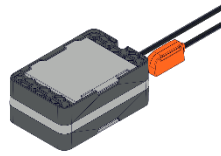


406-3369



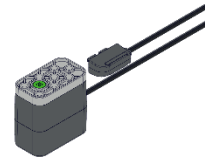
VEX Pilot Smart Brain
406-3375

406-3370

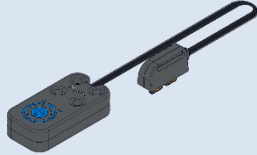


VEX Pilot Battery Box
406-3378

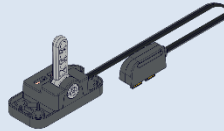
406-3372



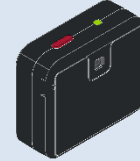
VEX Pilot Motor
276-4850



VEX Pilot Angle Sensor



VEX Pilot Power Switch



Vision Sensor