

**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

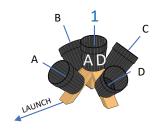


SCENARIO (Black Buckets)





# **TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

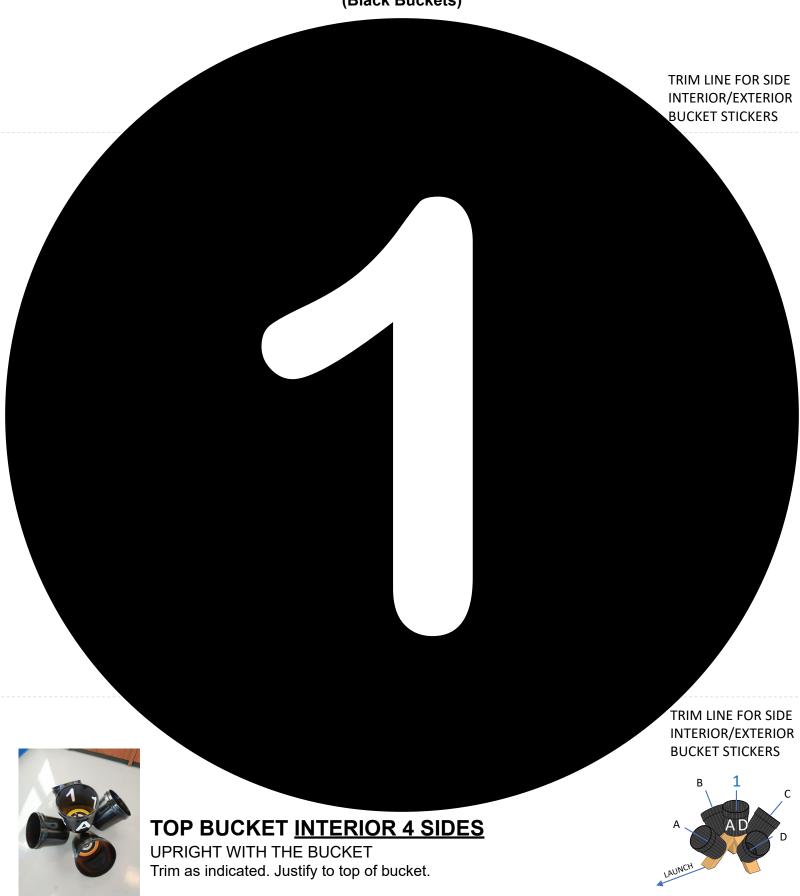




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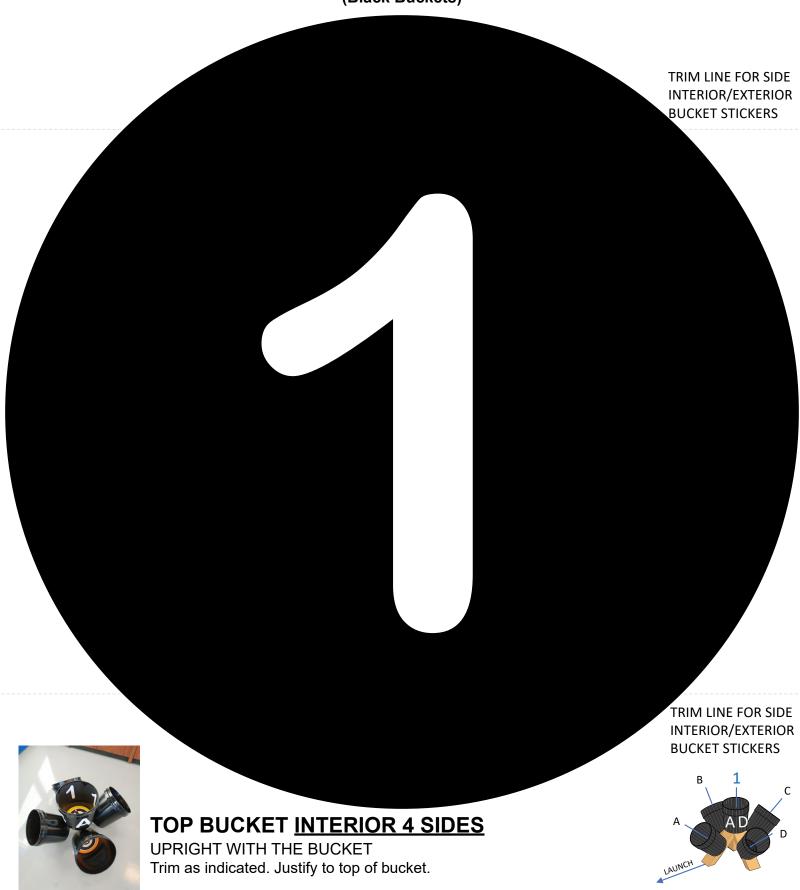




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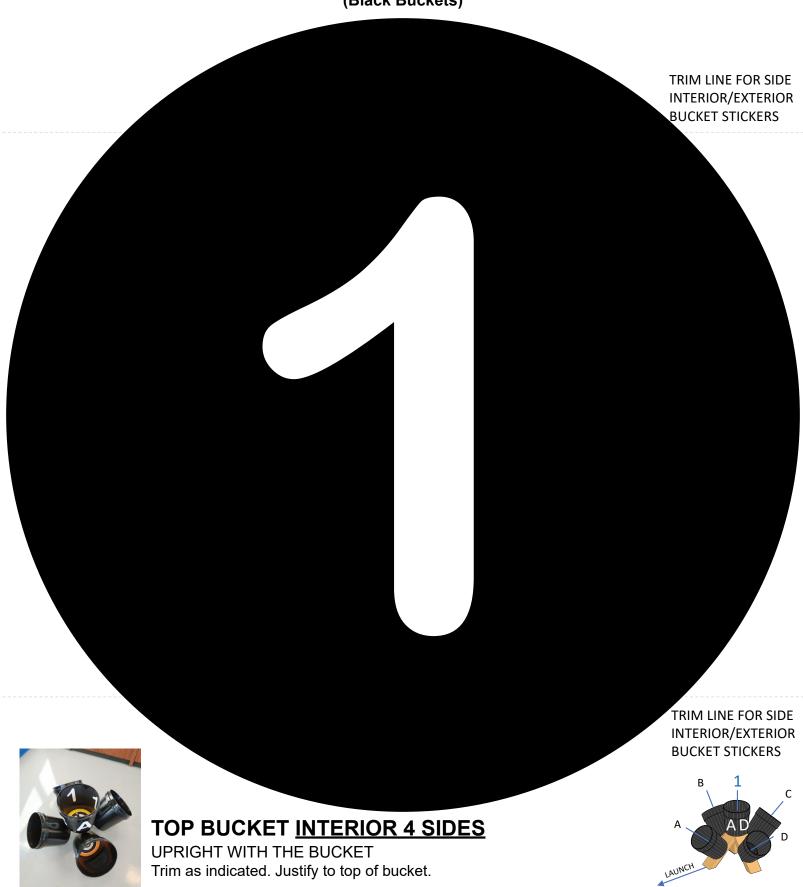




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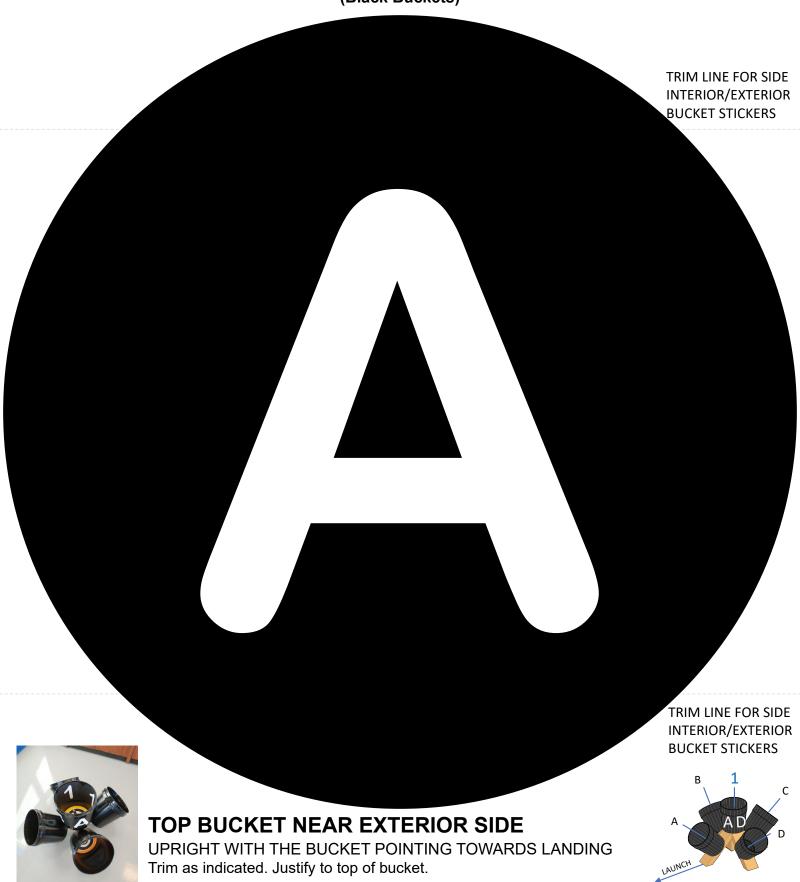


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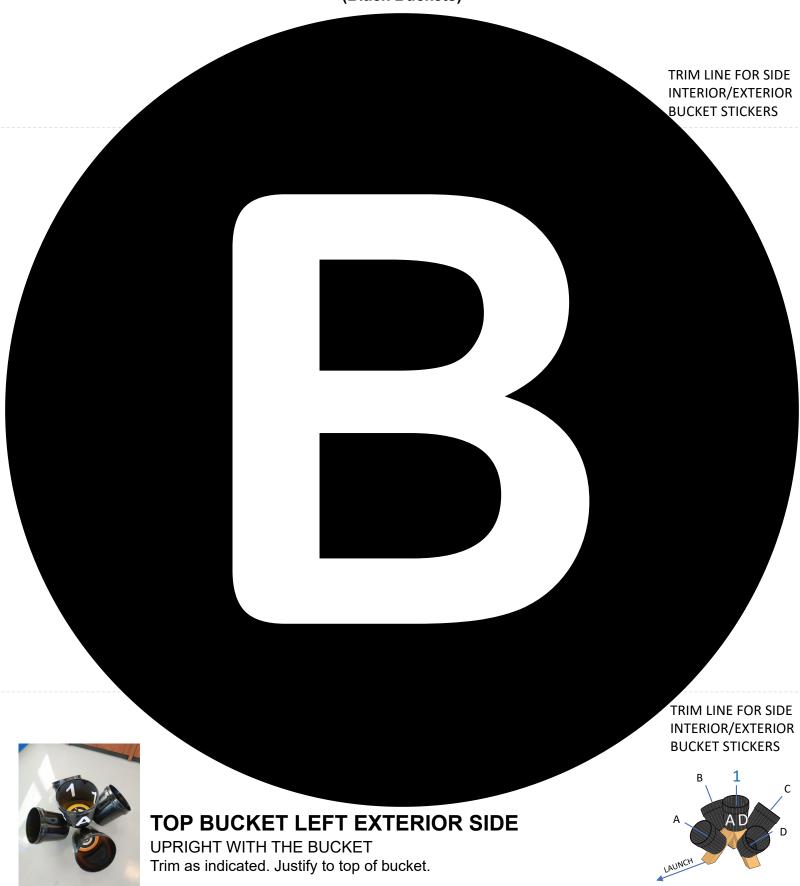




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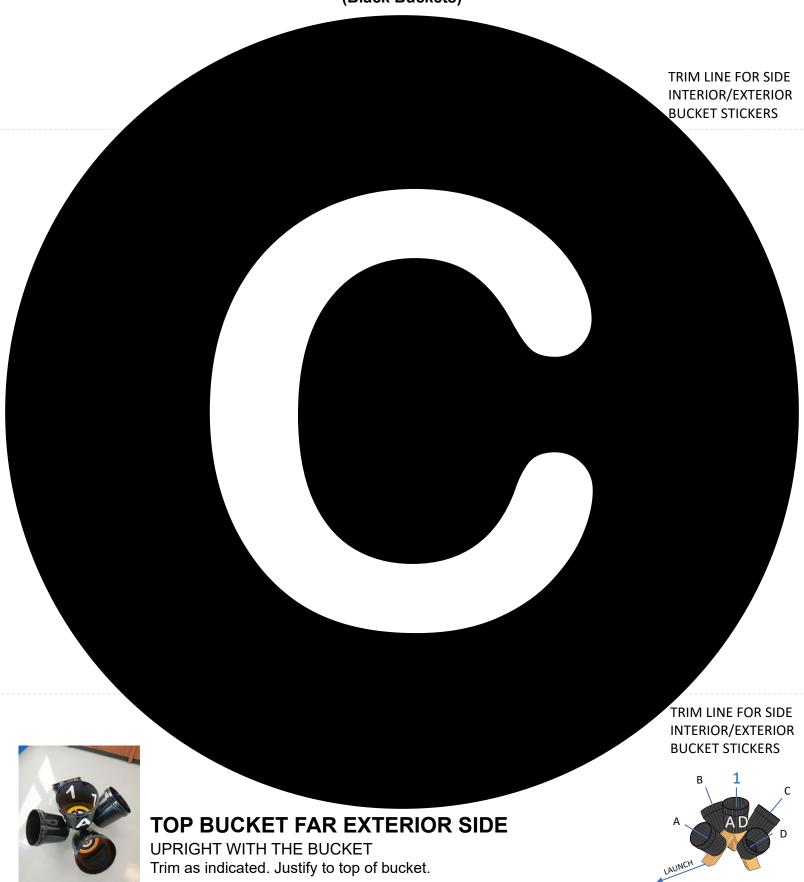




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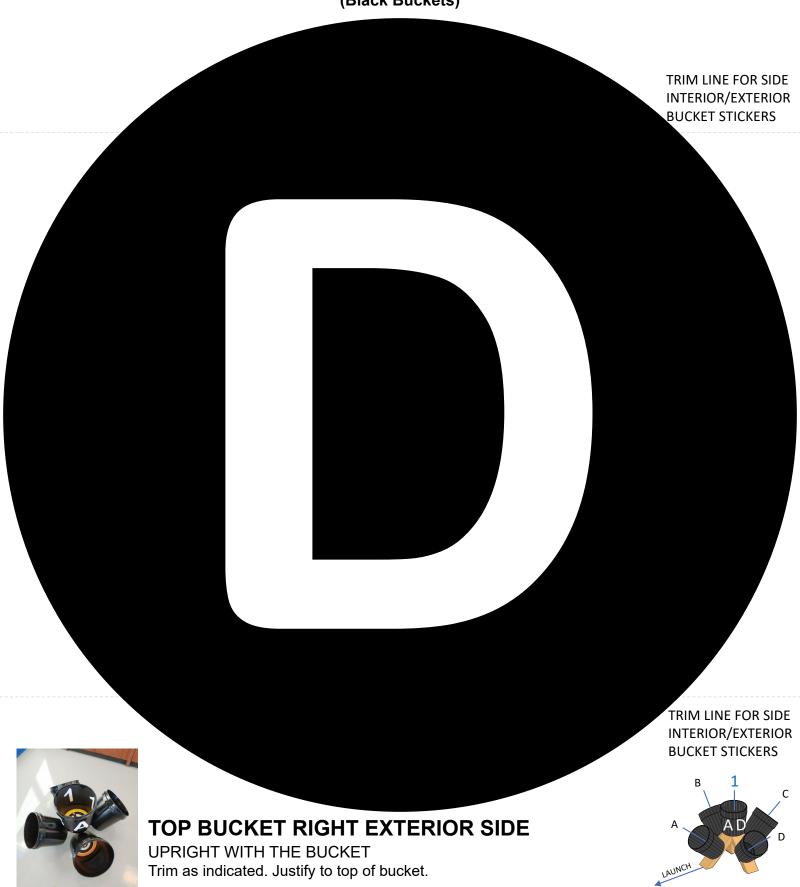




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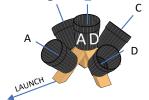


SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



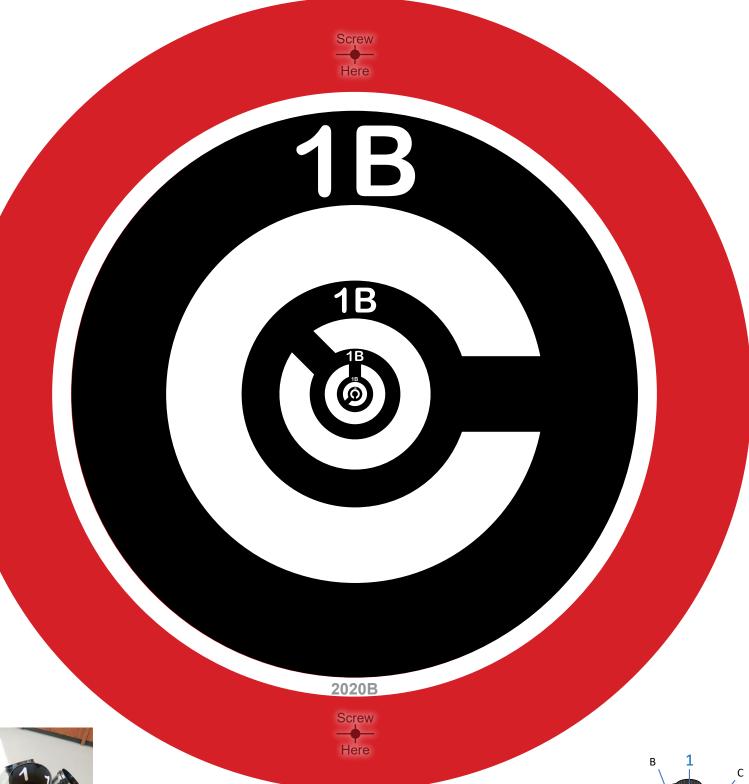


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SCENARIO (Black Buckets)





**LEFT ANGLED BUCKET INTERIOR BOTTOM** 

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED

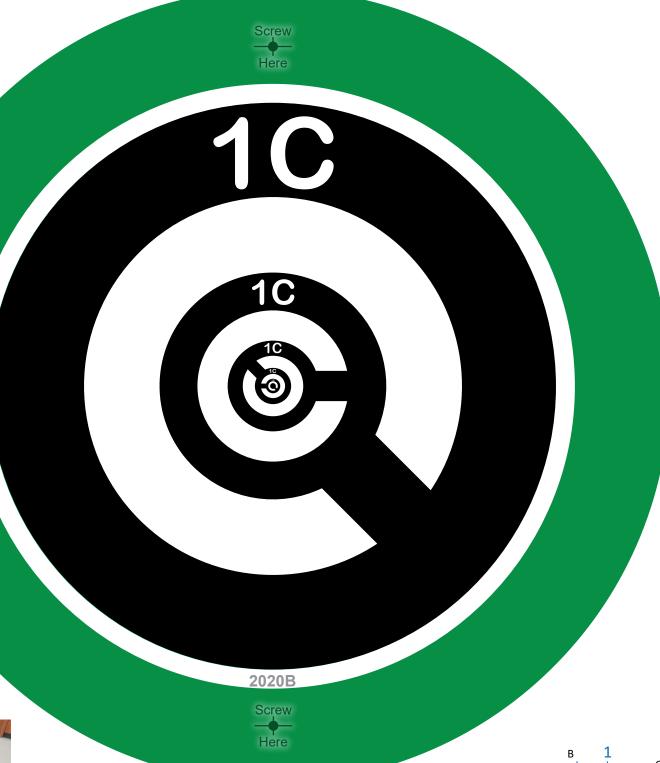


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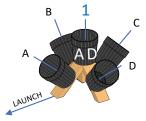


SCENARIO (Black Buckets)





FAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

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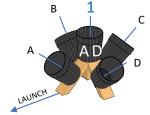
SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

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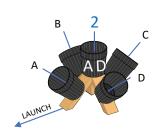


SCENARIO (Black Buckets)





# **TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

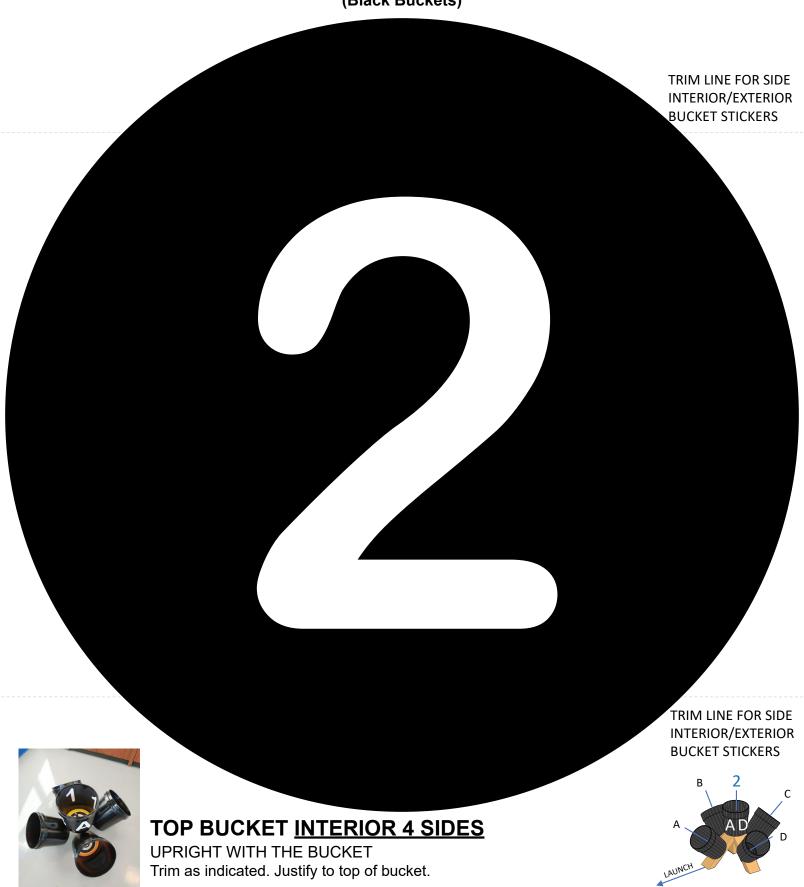




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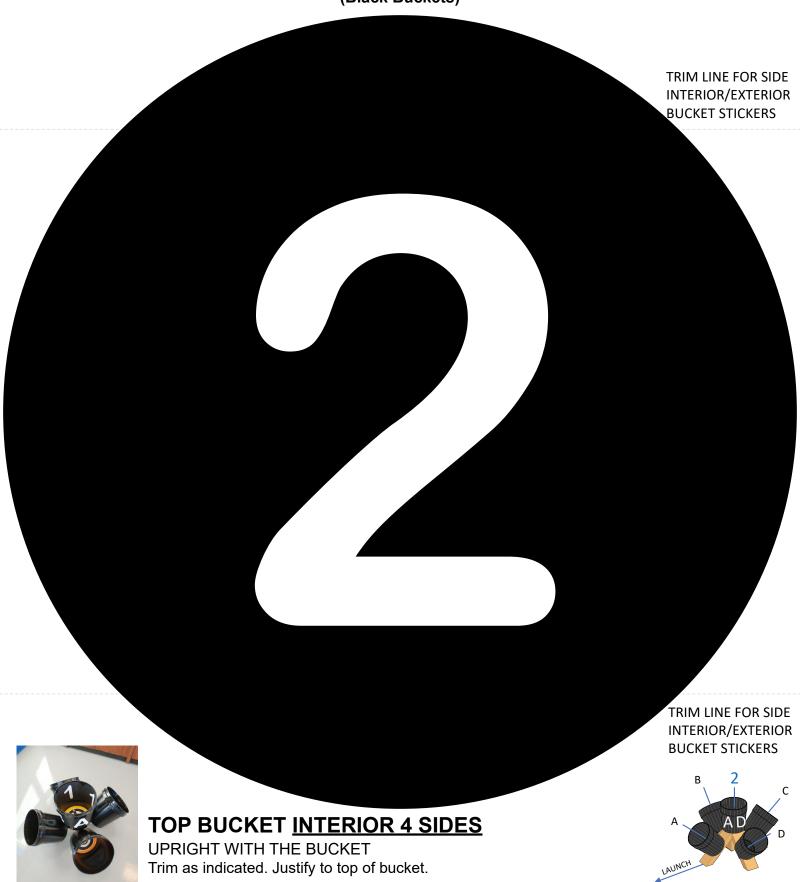




**Test Methods for Evaluating Aerial Drones** 

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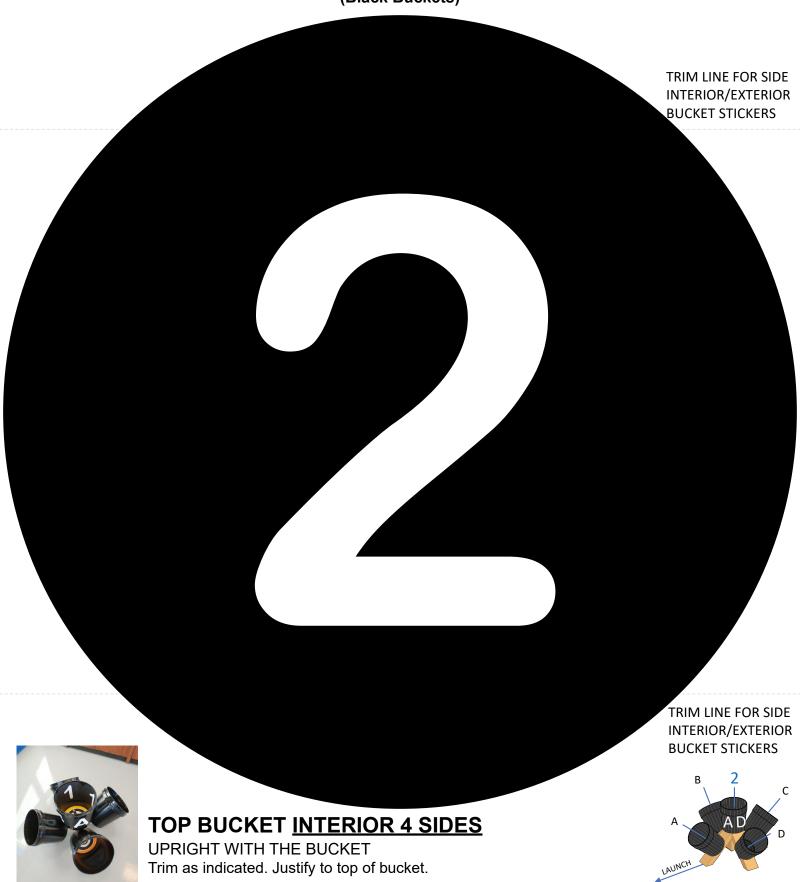




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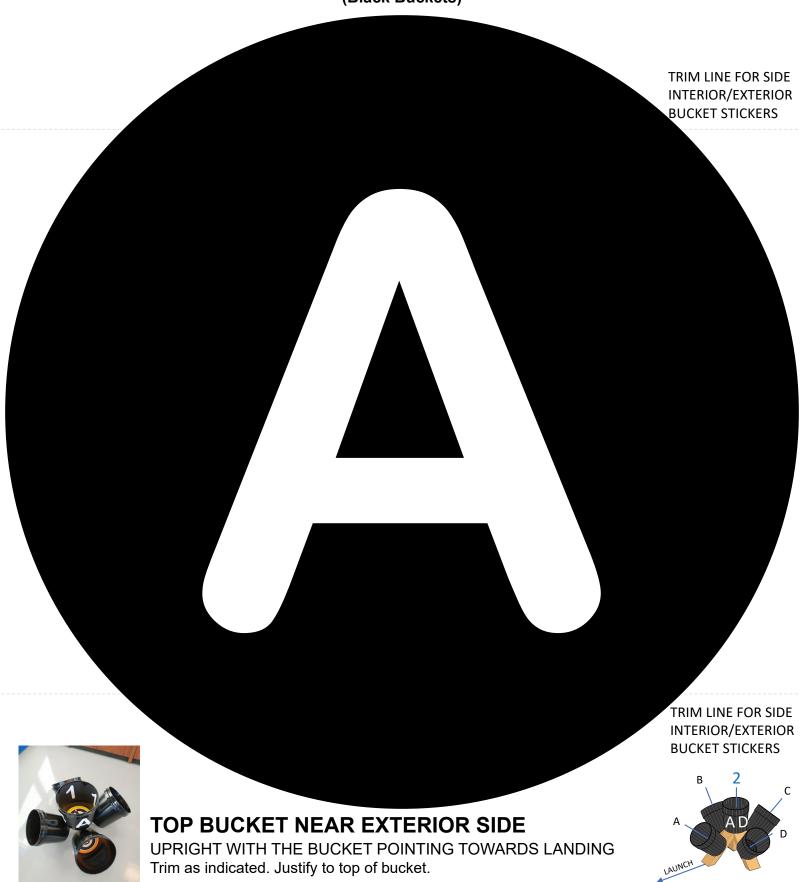




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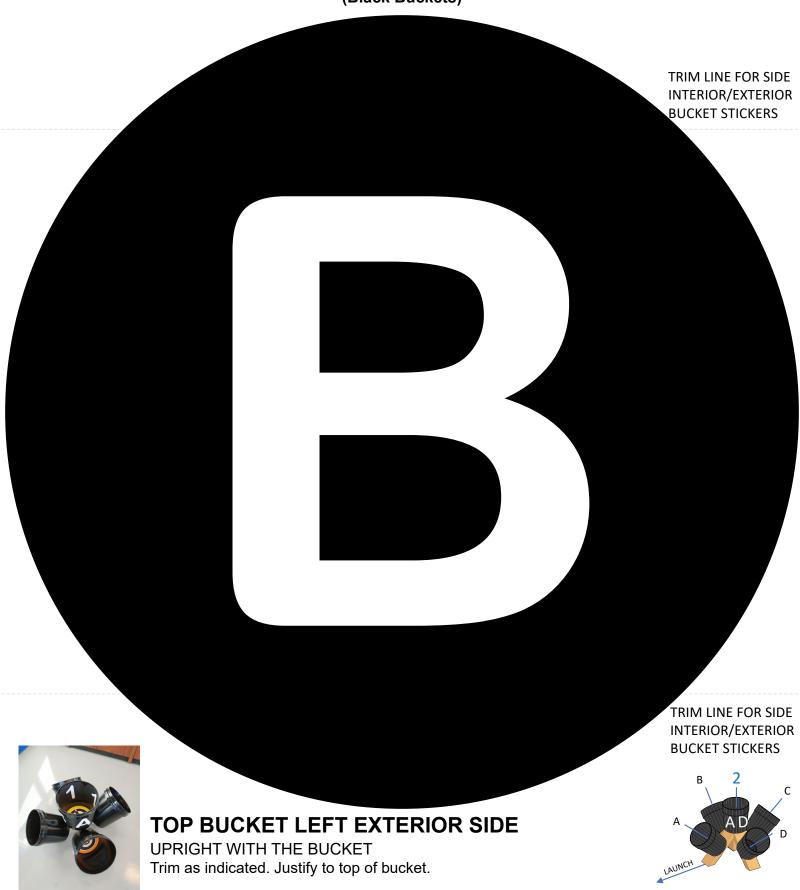




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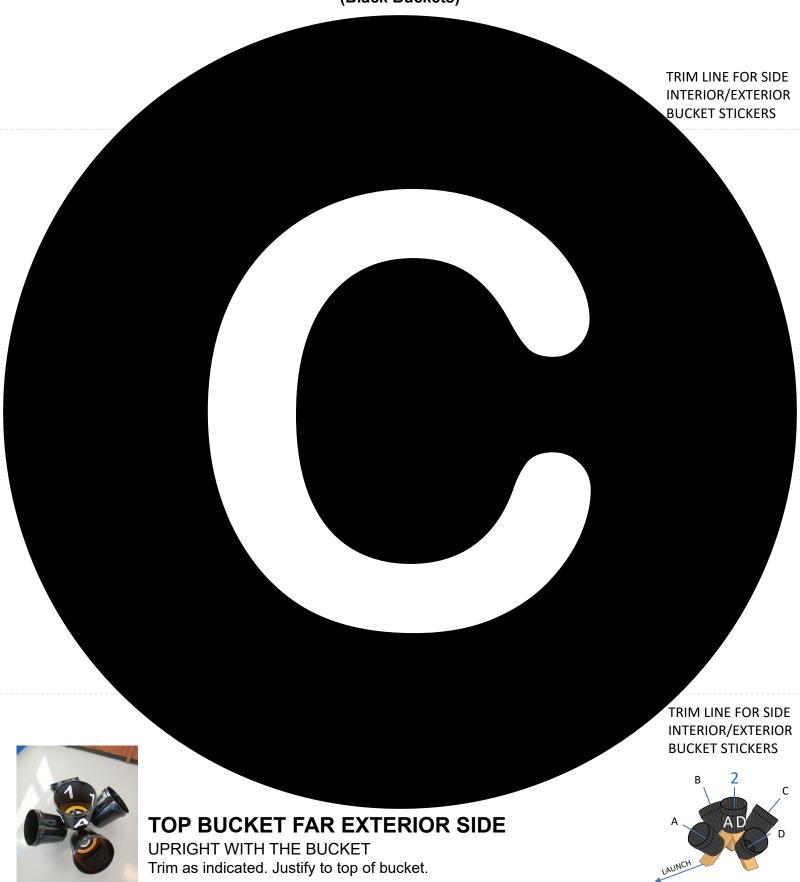
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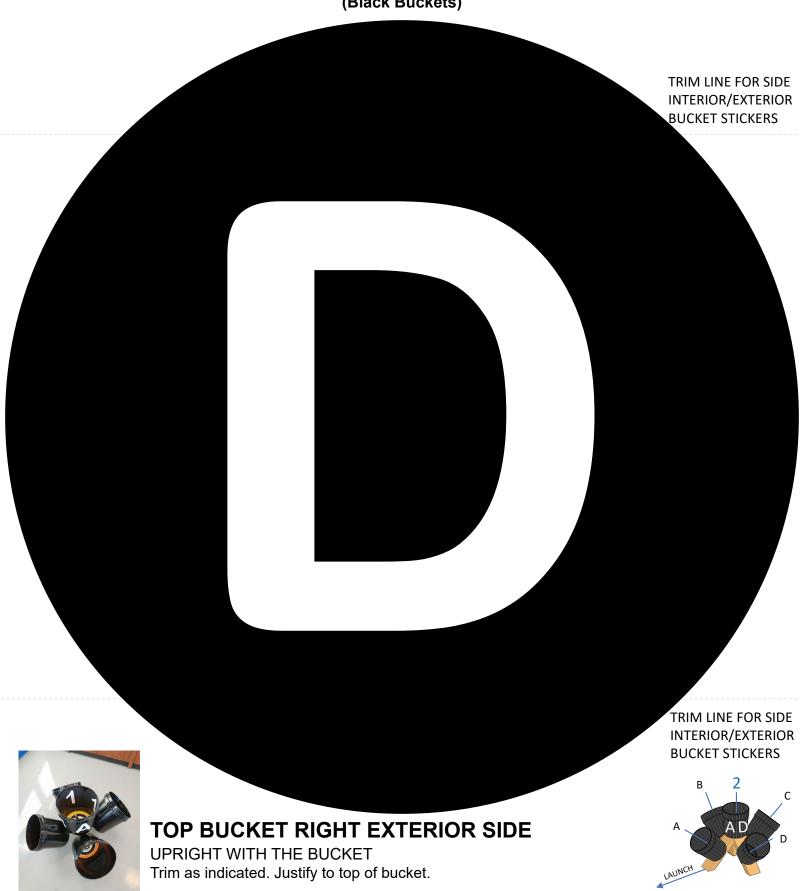




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**Test Methods for Evaluating Aerial Drones** 

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SCENARIO (Black Buckets)





**NEAR ANGLED BUCKET INTERIOR BOTTOM** 

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED

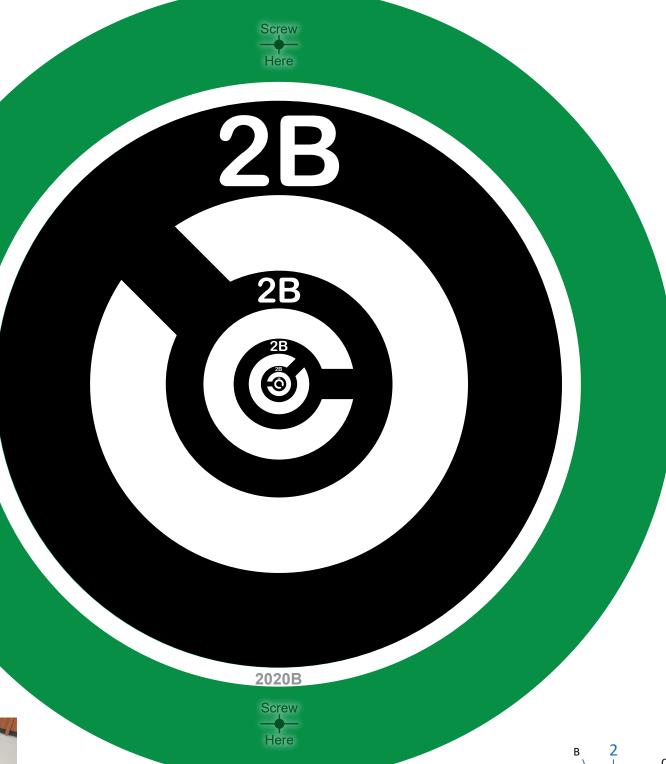


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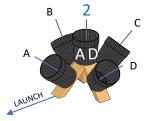
SCENARIO (Black Buckets)





### LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



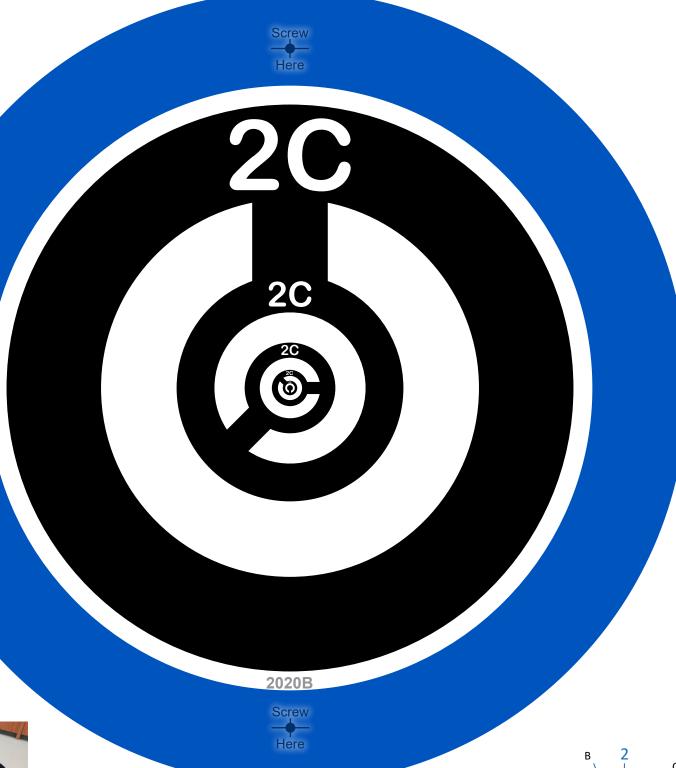


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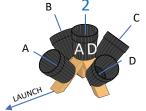


SCENARIO (Black Buckets)





FAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



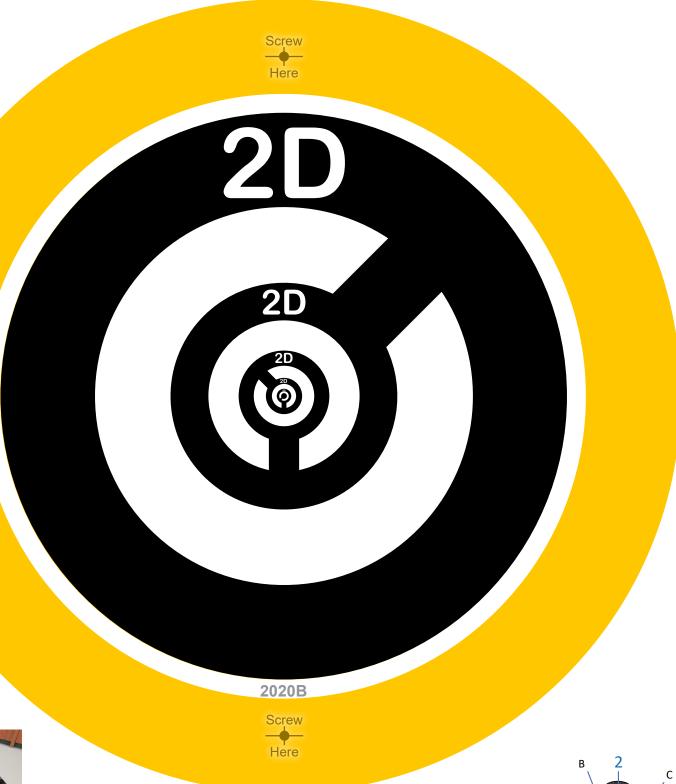


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SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET INTERIOR BOTTOM

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



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SCENARIO (Black Buckets)





**TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF

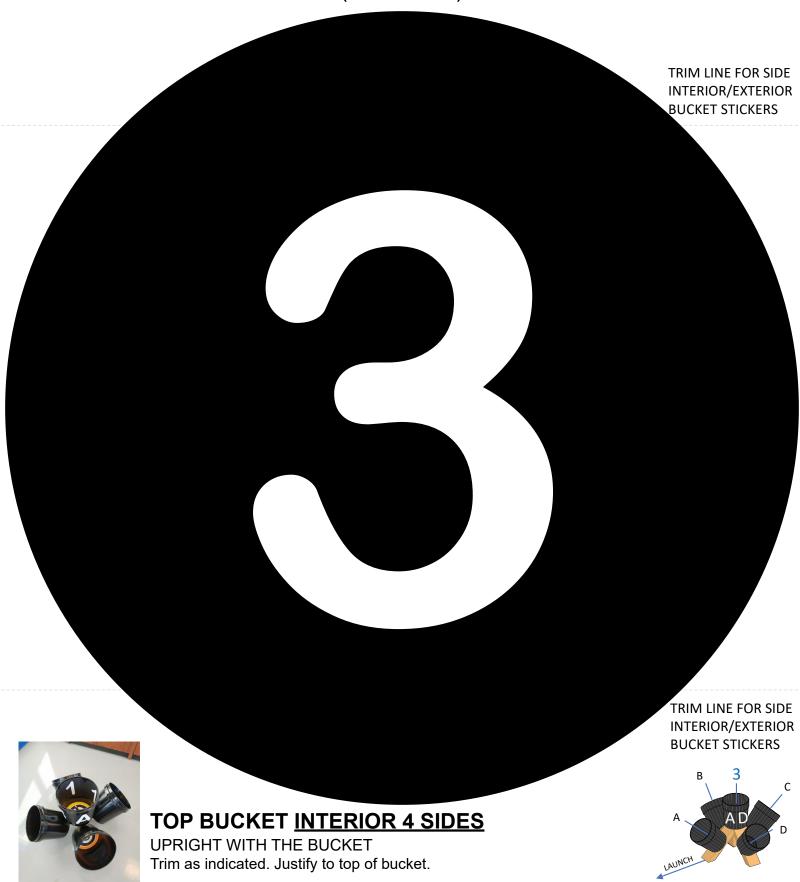
**BUCKET A** 



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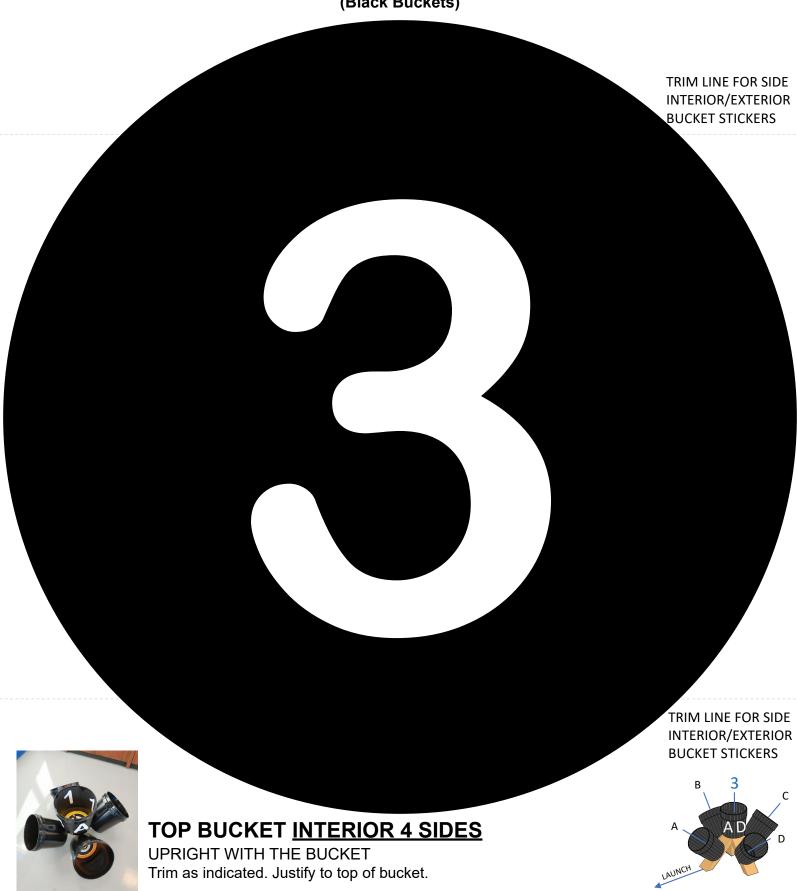




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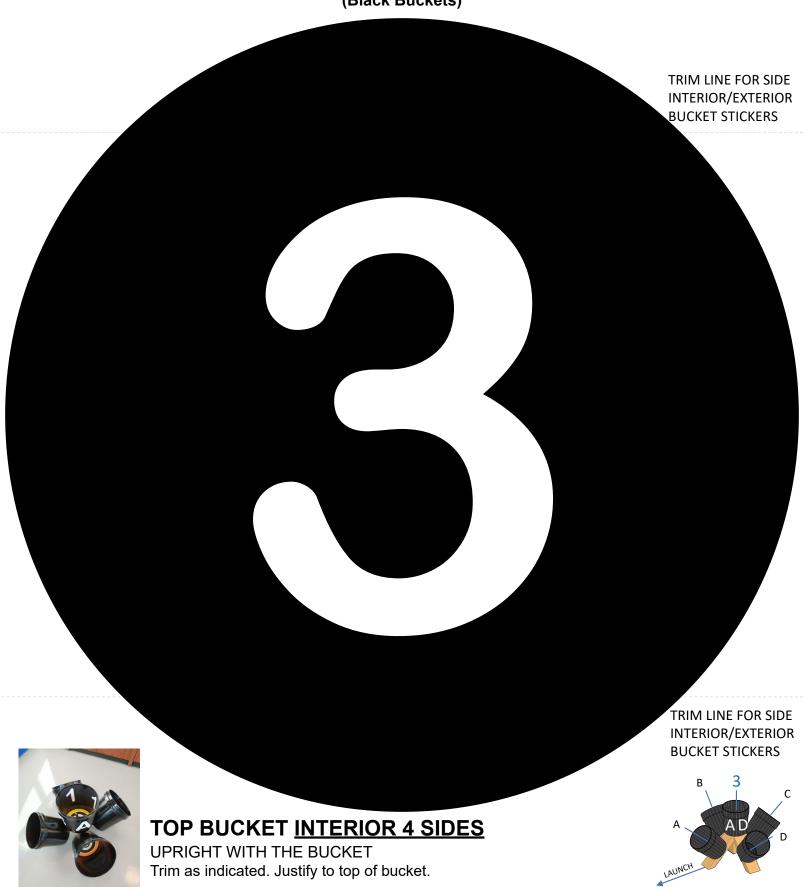
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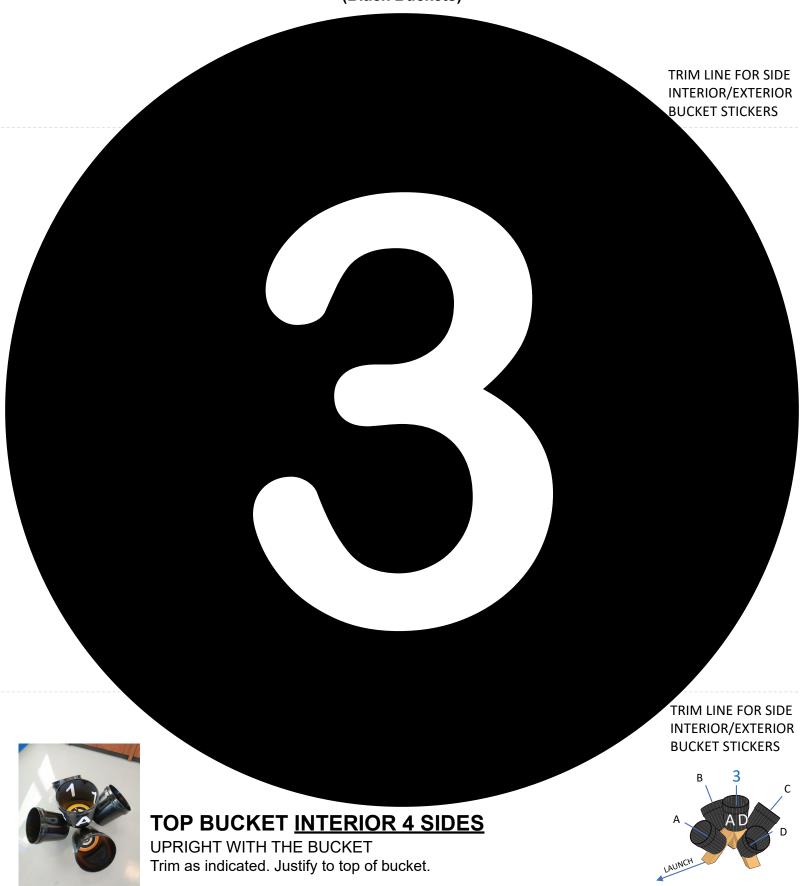




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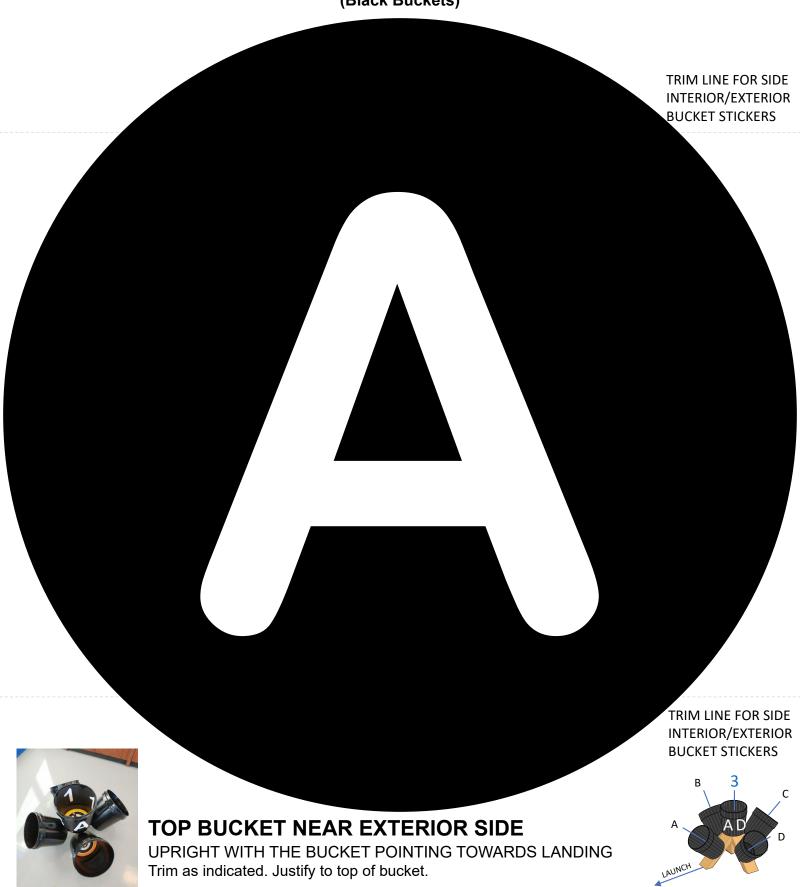




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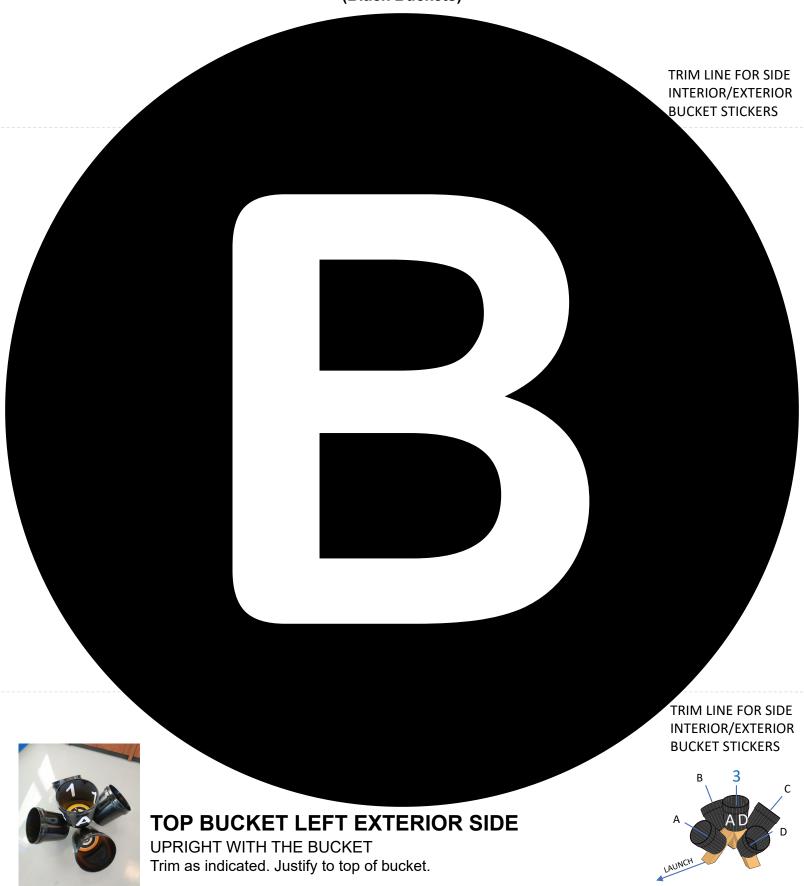




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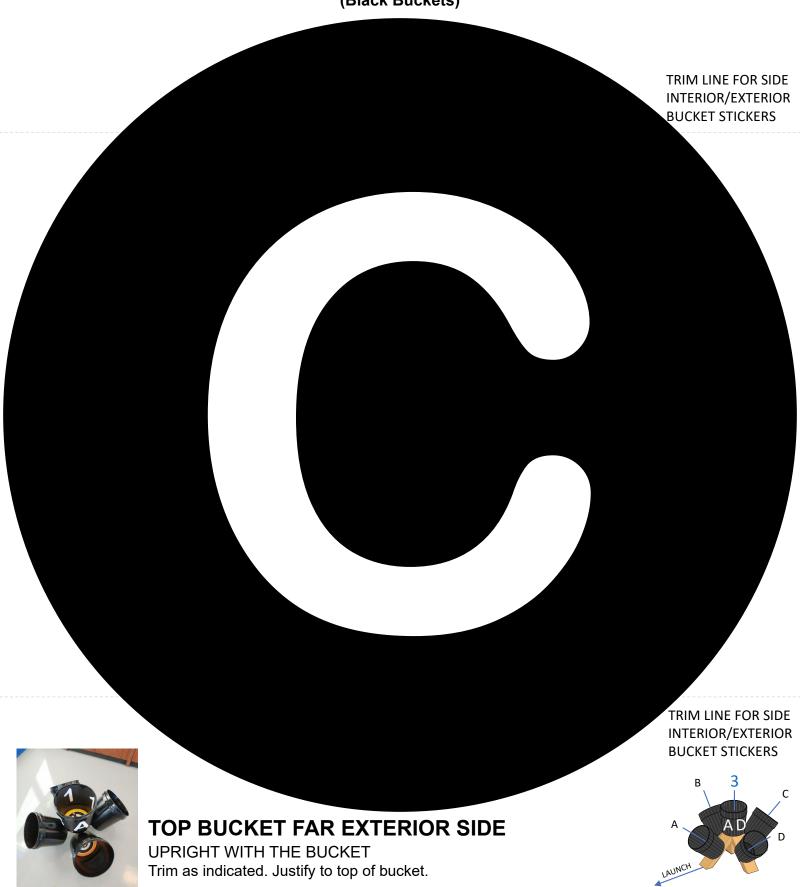
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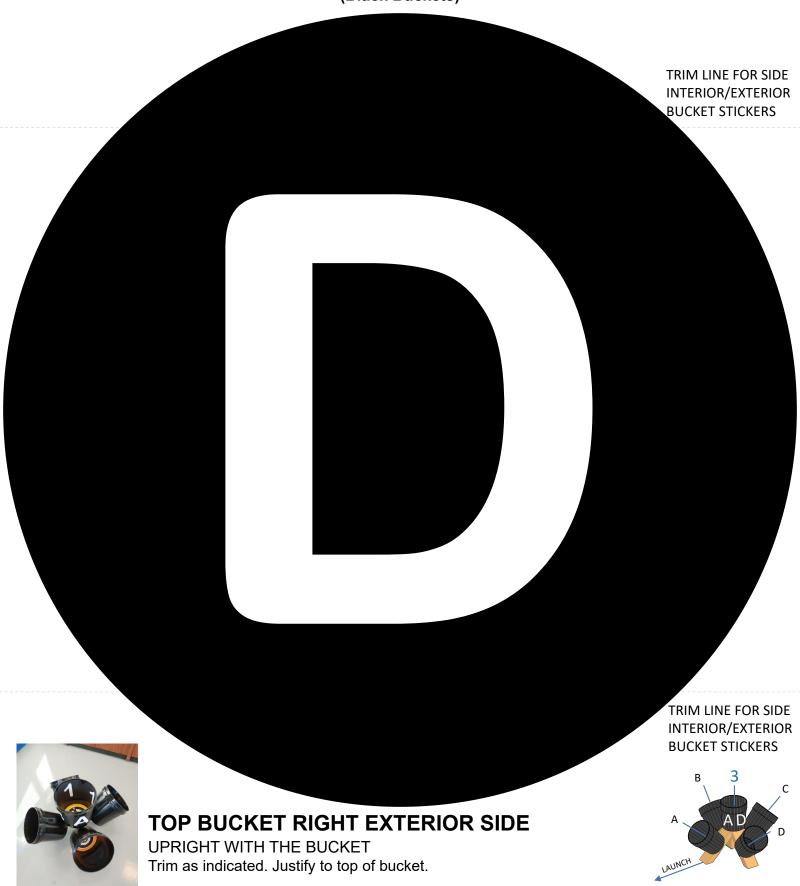




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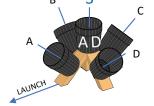


SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

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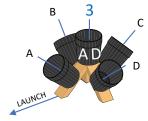


SCENARIO (Black Buckets)





LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>



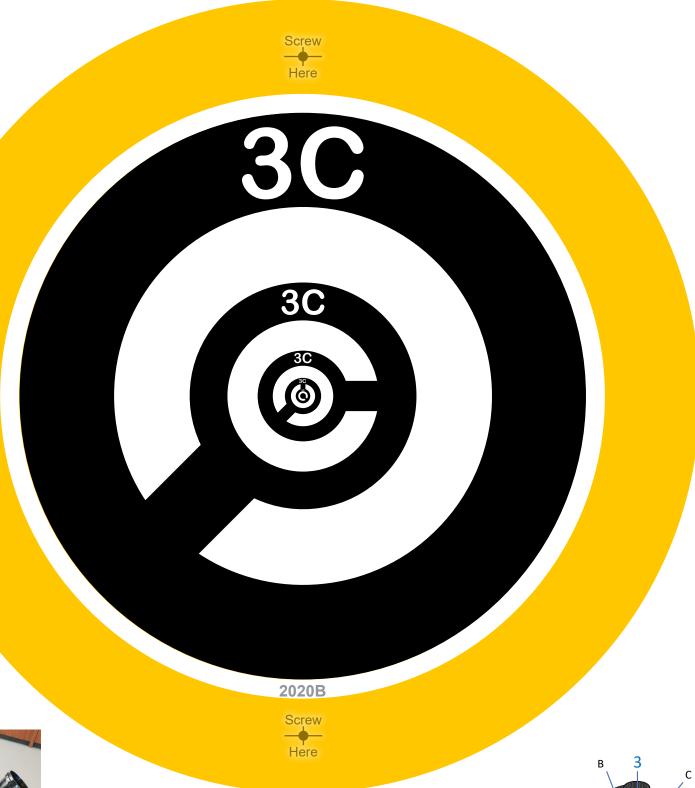


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SCENARIO (Black Buckets)





FAR ANGLED BUCKET INTERIOR BOTTOM ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED

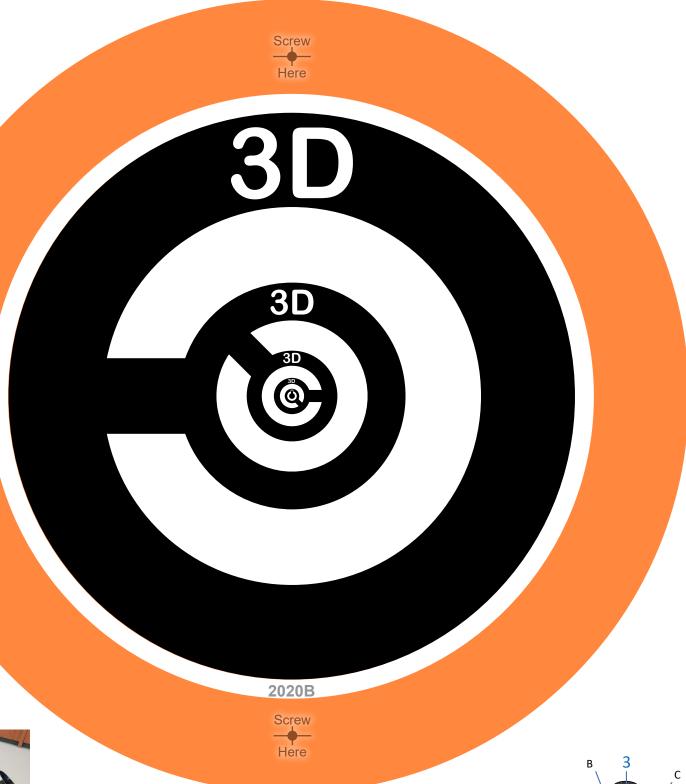


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SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET INTERIOR BOTTOM



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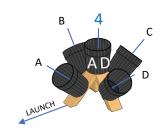


SCENARIO (Black Buckets)





**TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

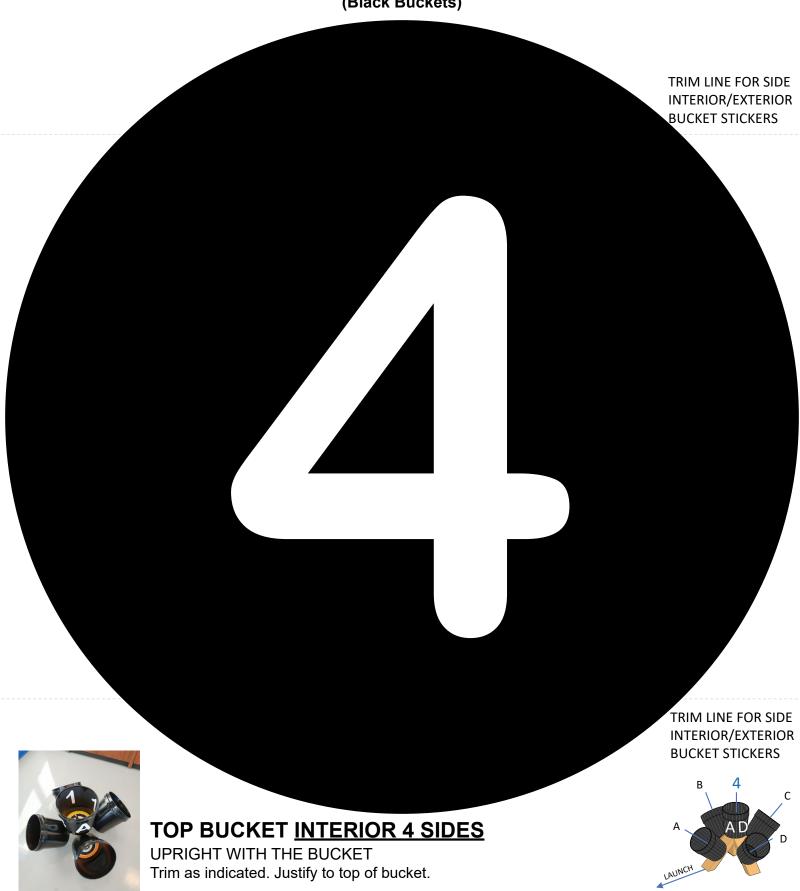




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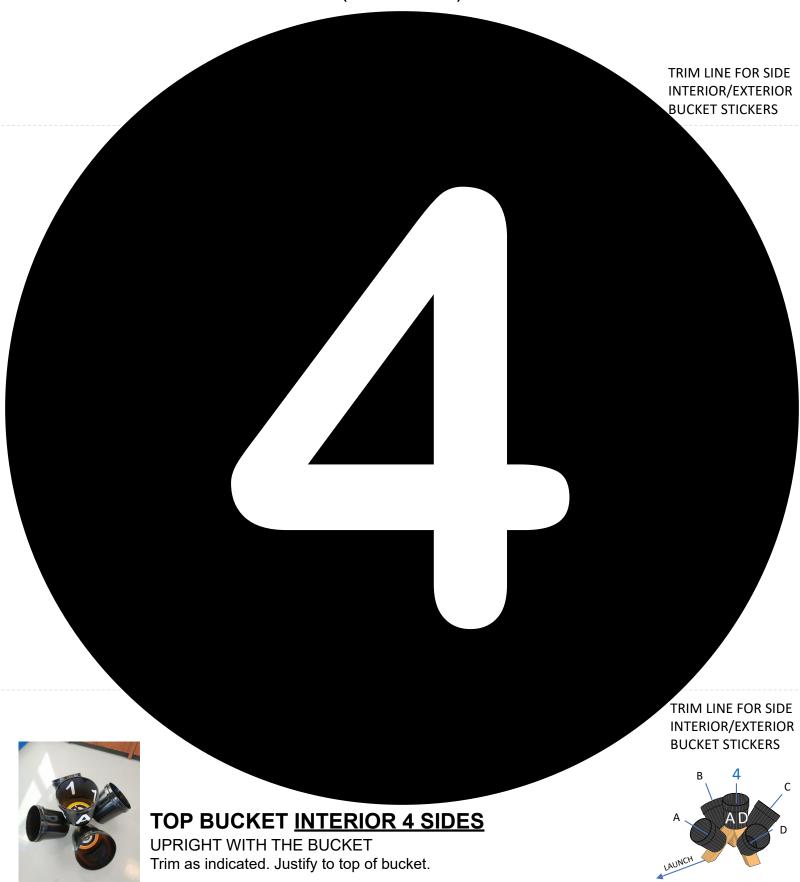




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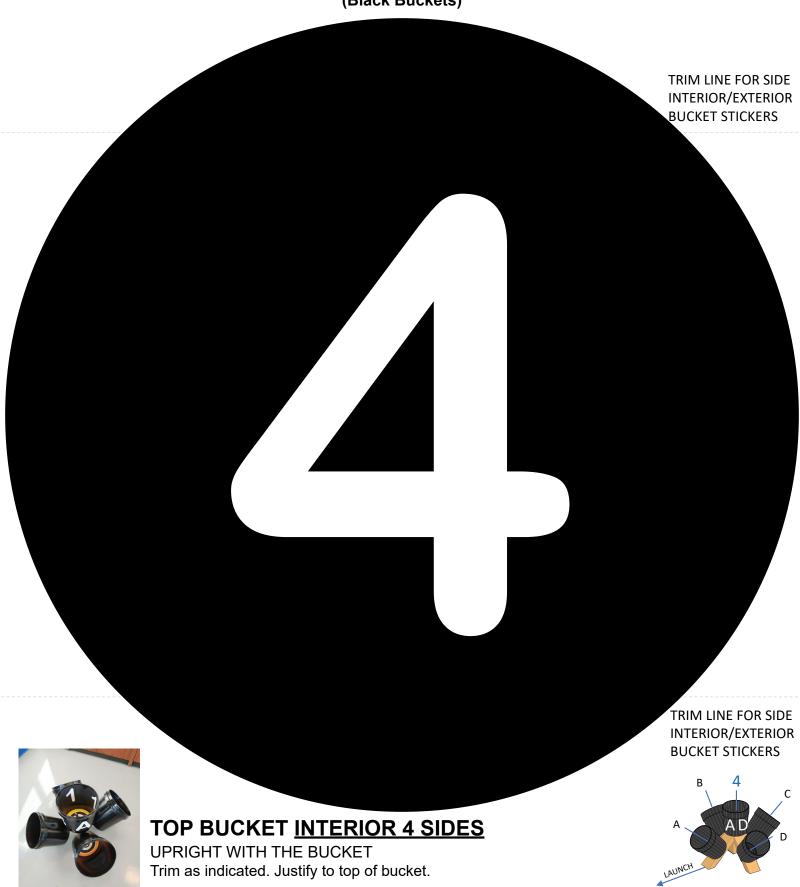




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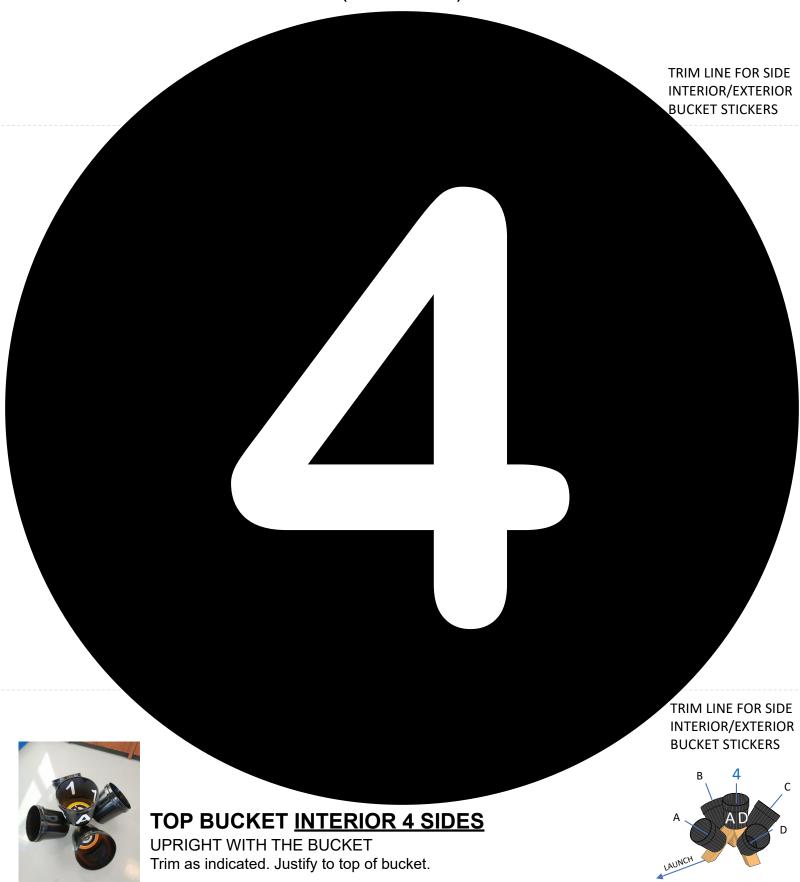




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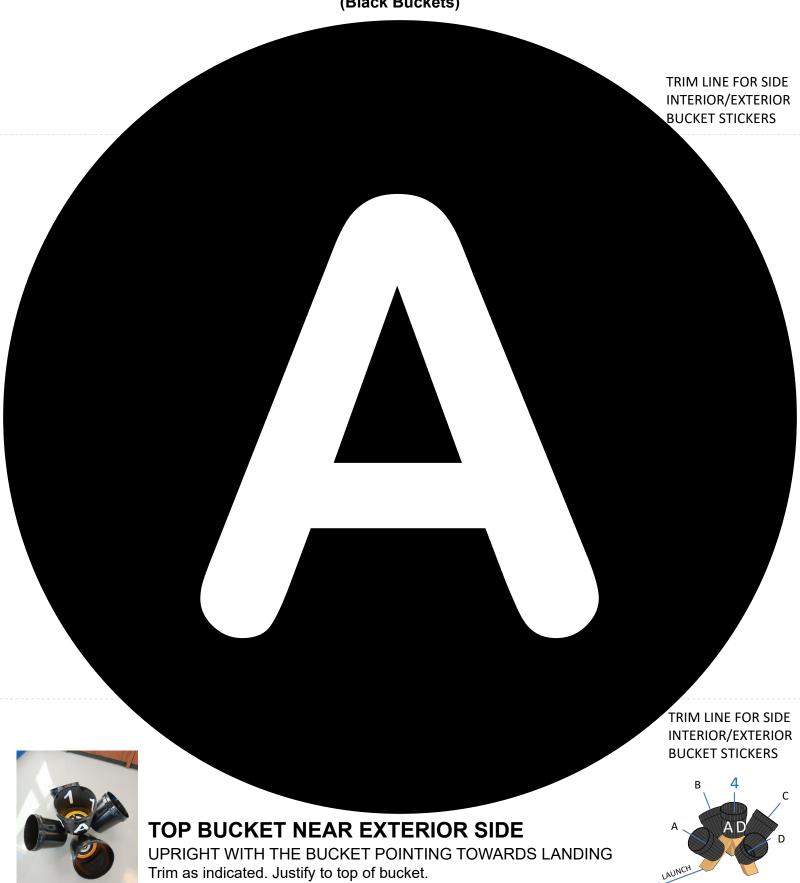
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SCENARIO
(Black Buckets)

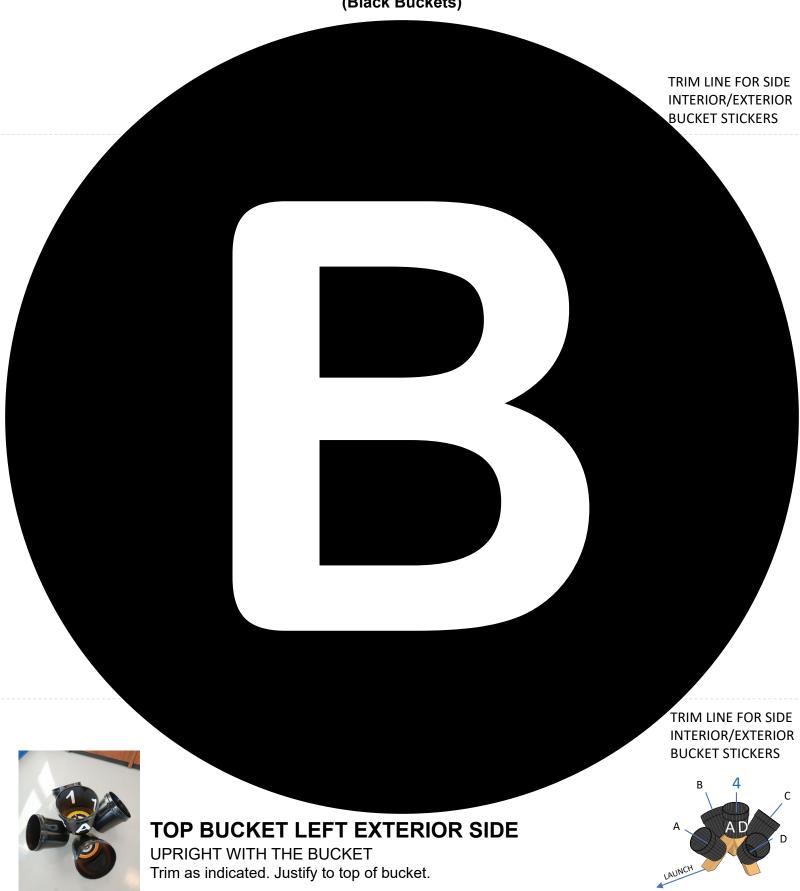




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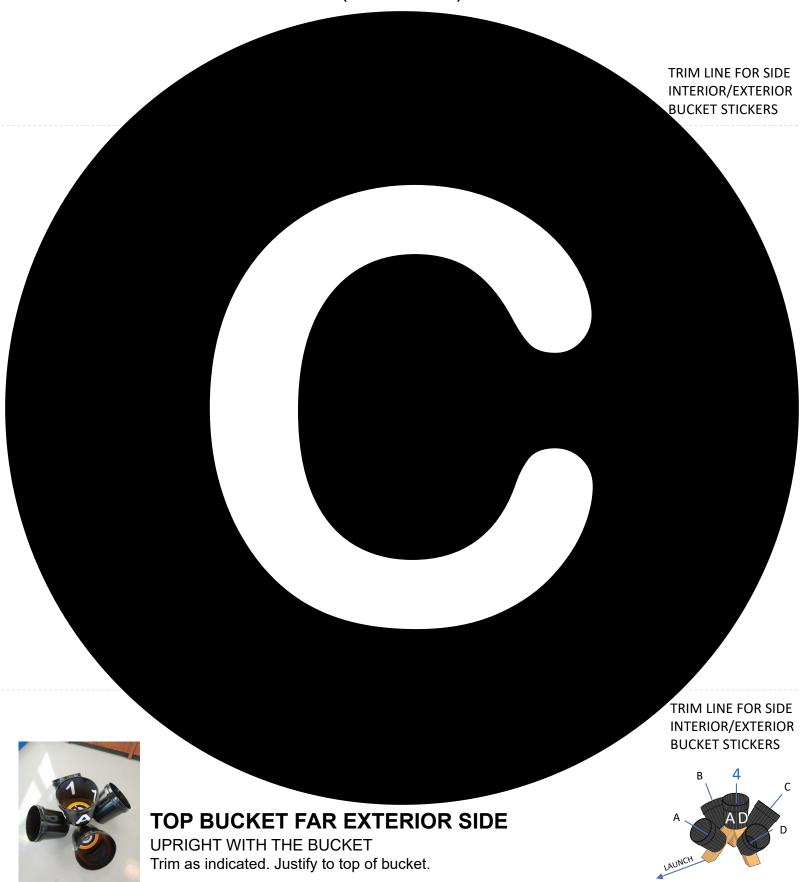




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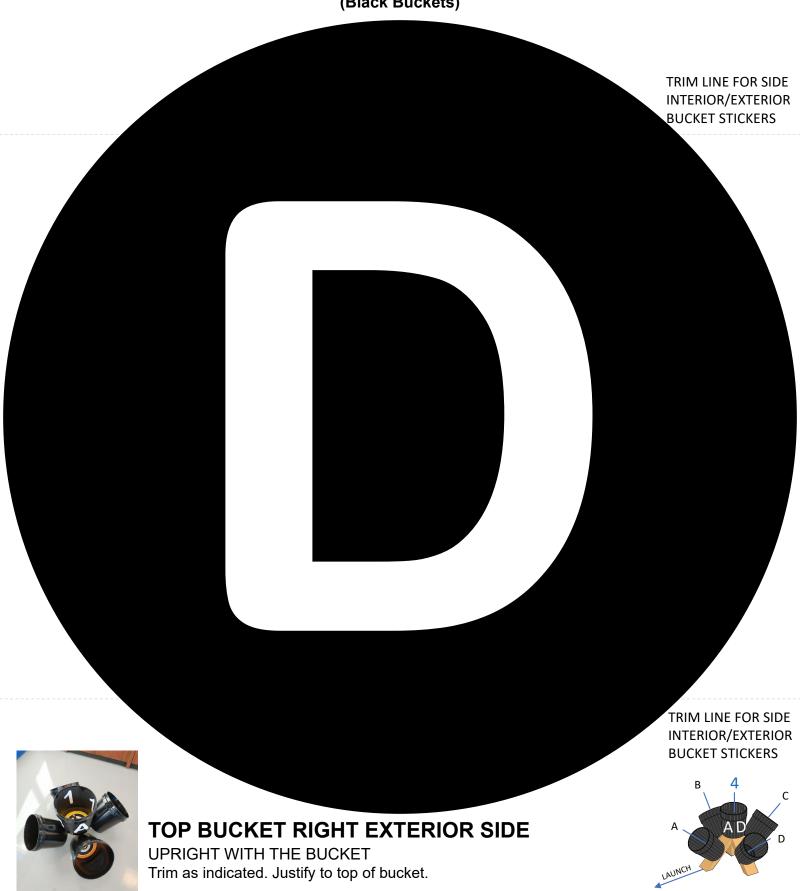




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**Test Methods for Evaluating Aerial Drones** 

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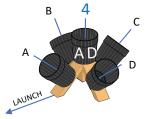


SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



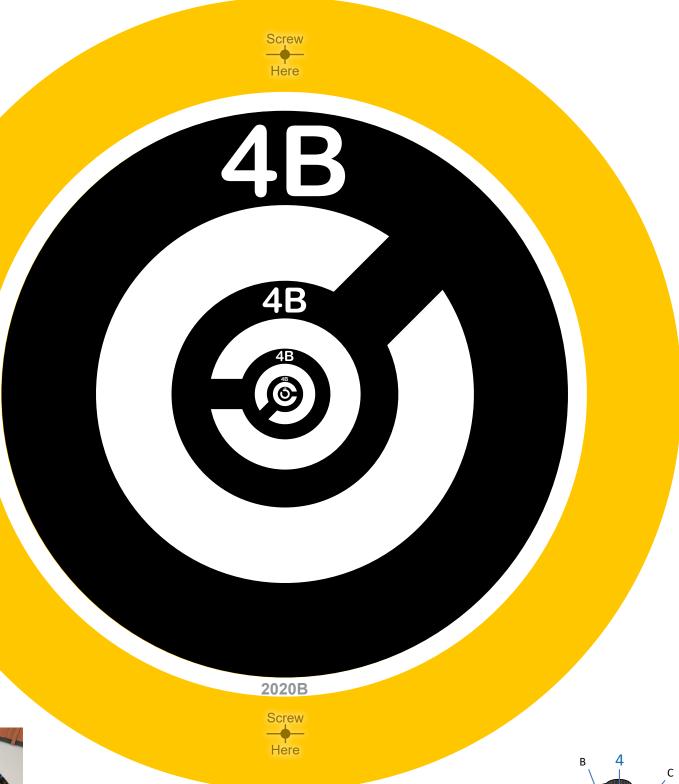


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SCENARIO (Black Buckets)





**LEFT ANGLED BUCKET INTERIOR BOTTOM** 



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SCENARIO (Black Buckets)





FAR ANGLED BUCKET INTERIOR BOTTOM ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



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SCENARIO (Black Buckets)







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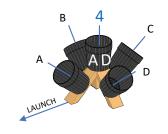


SCENARIO (Black Buckets)





# **TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A





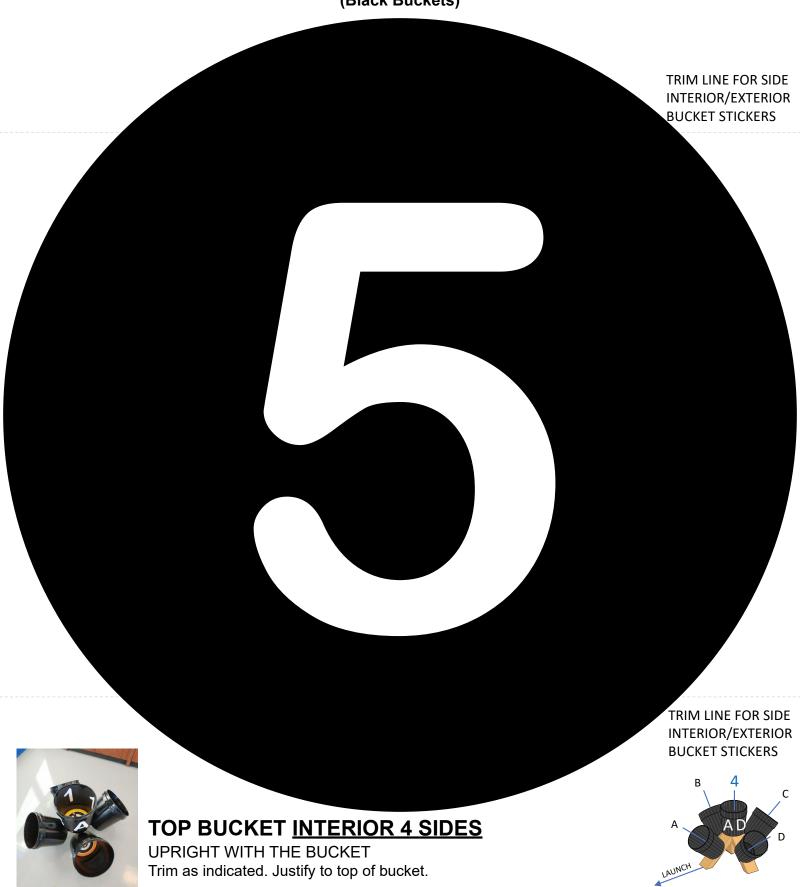
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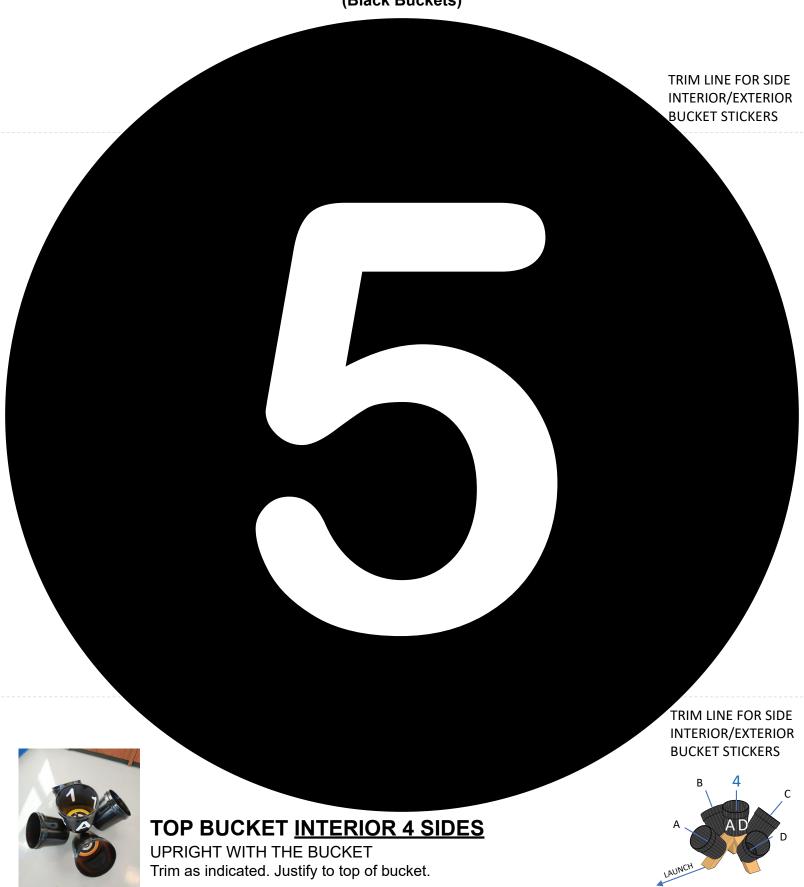
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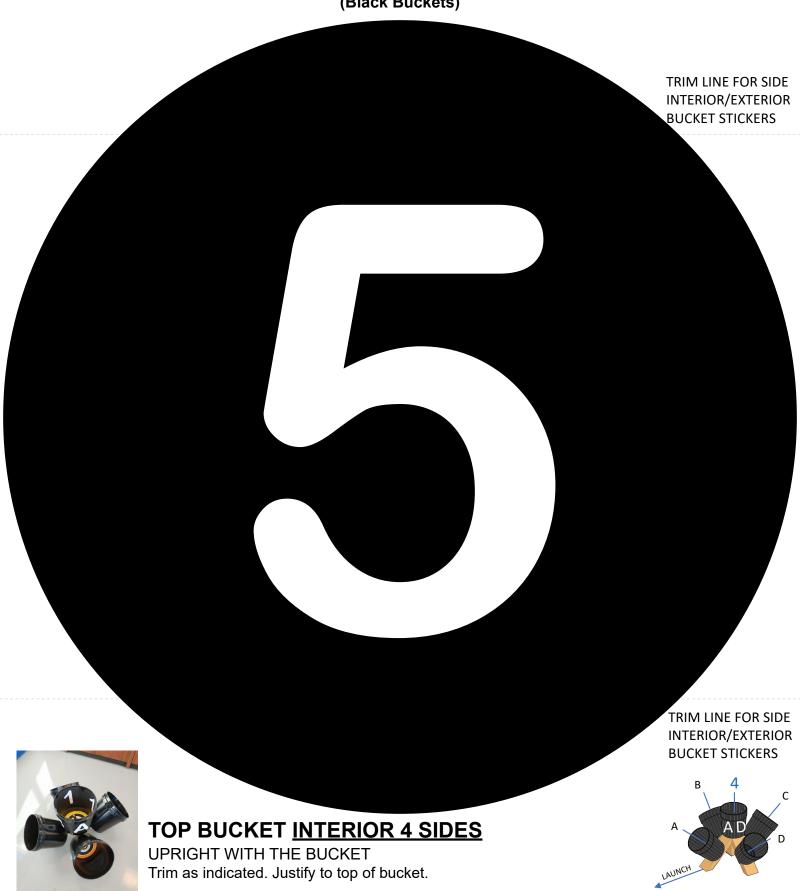




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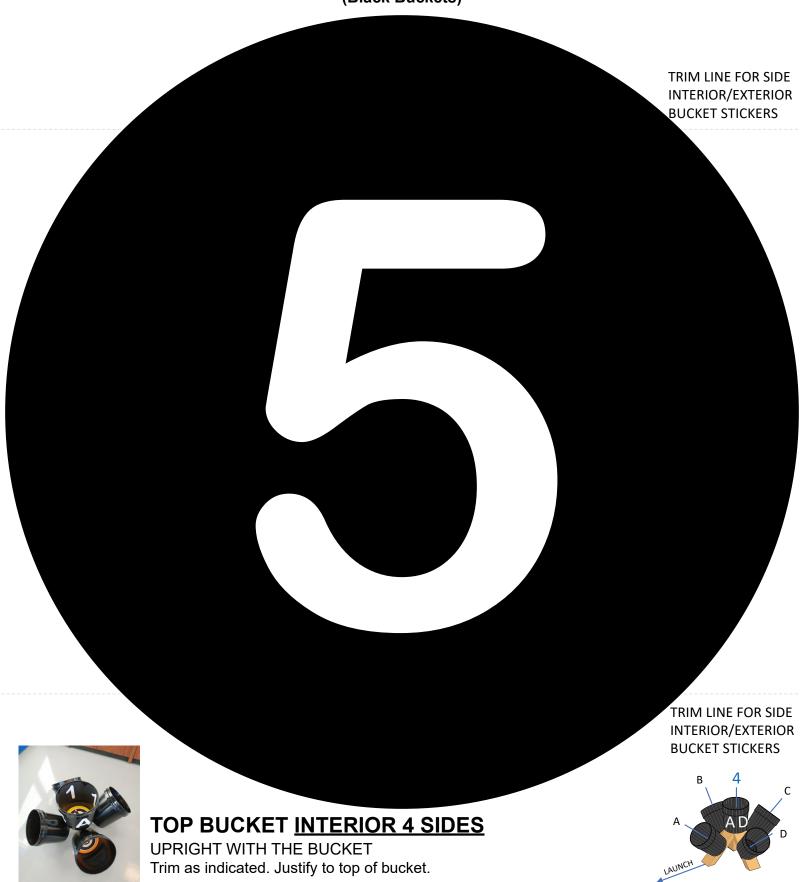
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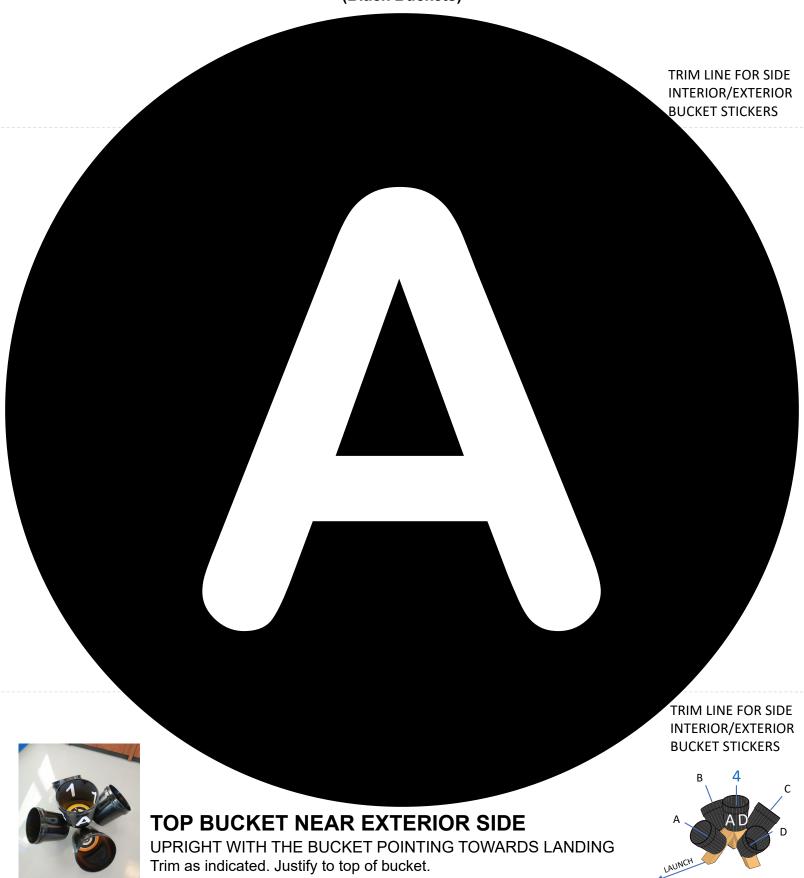




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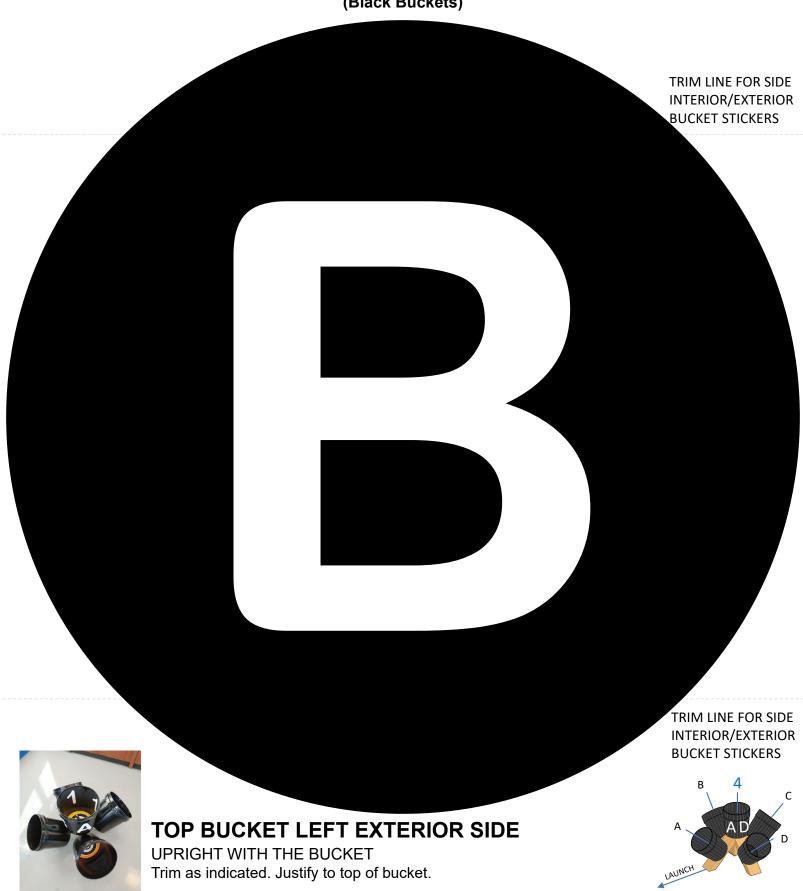




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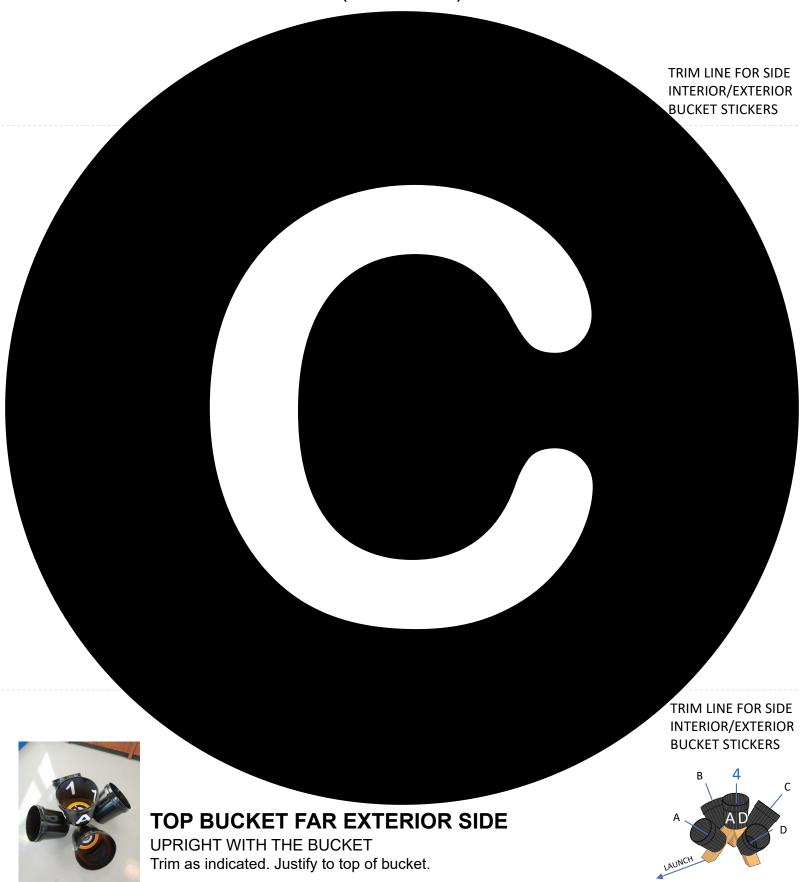




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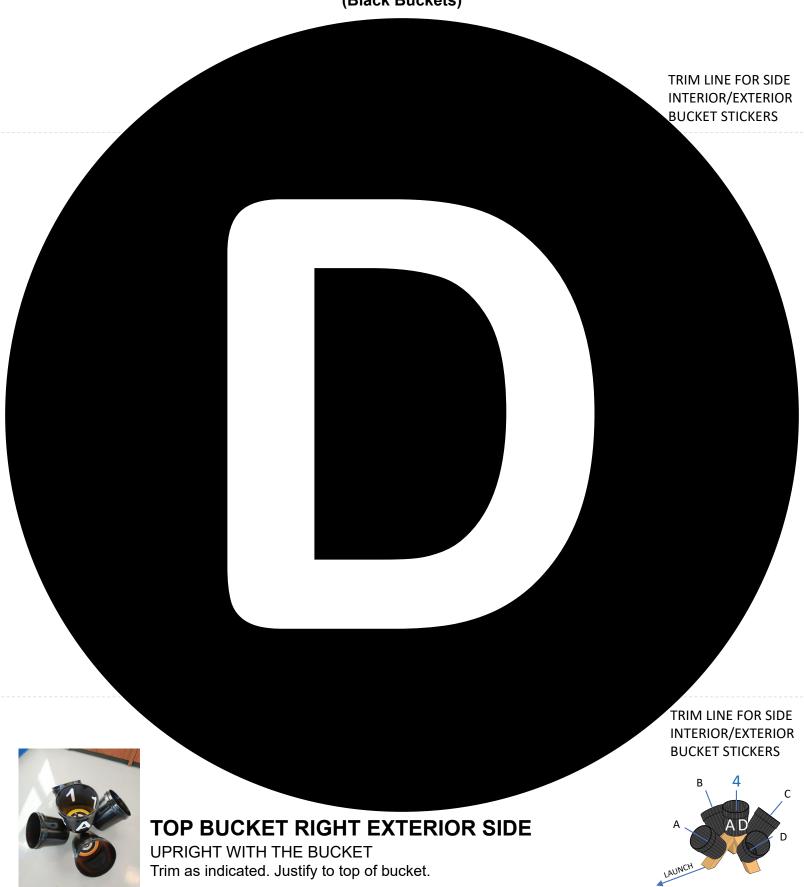




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SCENARIO (Black Buckets)





**NEAR ANGLED BUCKET INTERIOR BOTTOM** 

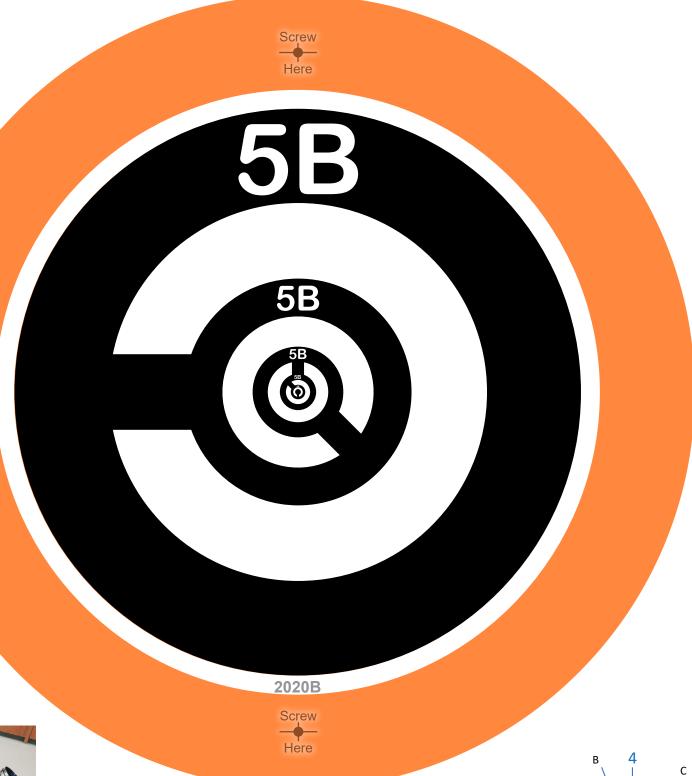


**Test Methods for Evaluating Aerial Drones** 

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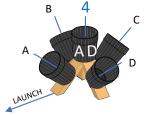


SCENARIO (Black Buckets)





LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>





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SCENARIO (Black Buckets)



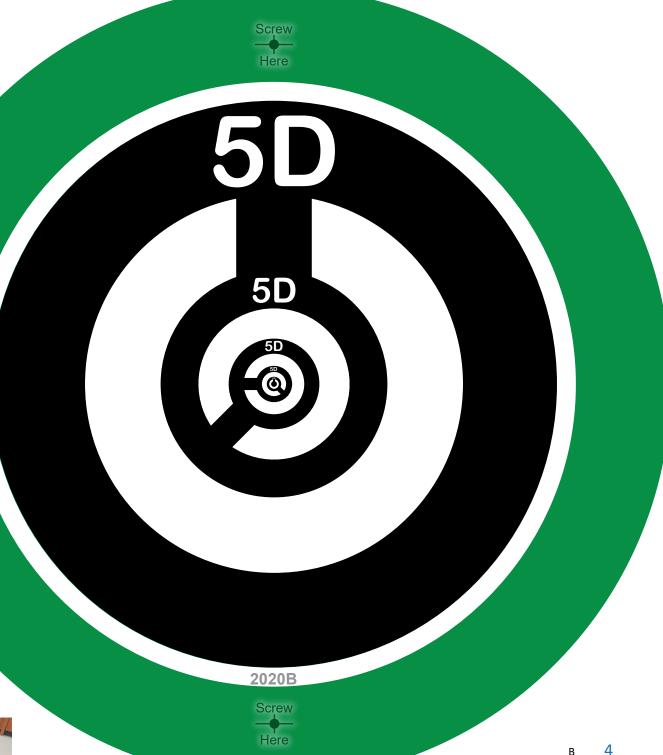


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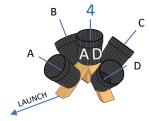


SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET INTERIOR BOTTOM





**Test Methods for Evaluating Aerial Drones** 

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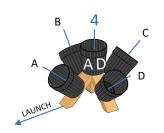


SCENARIO (Black Buckets)





**TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

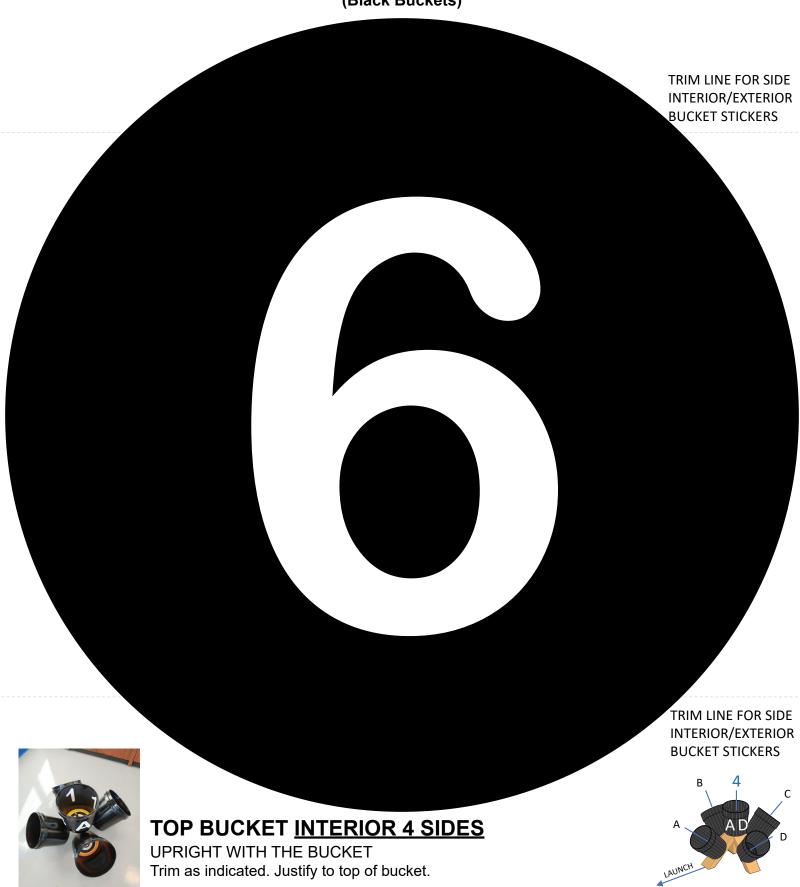




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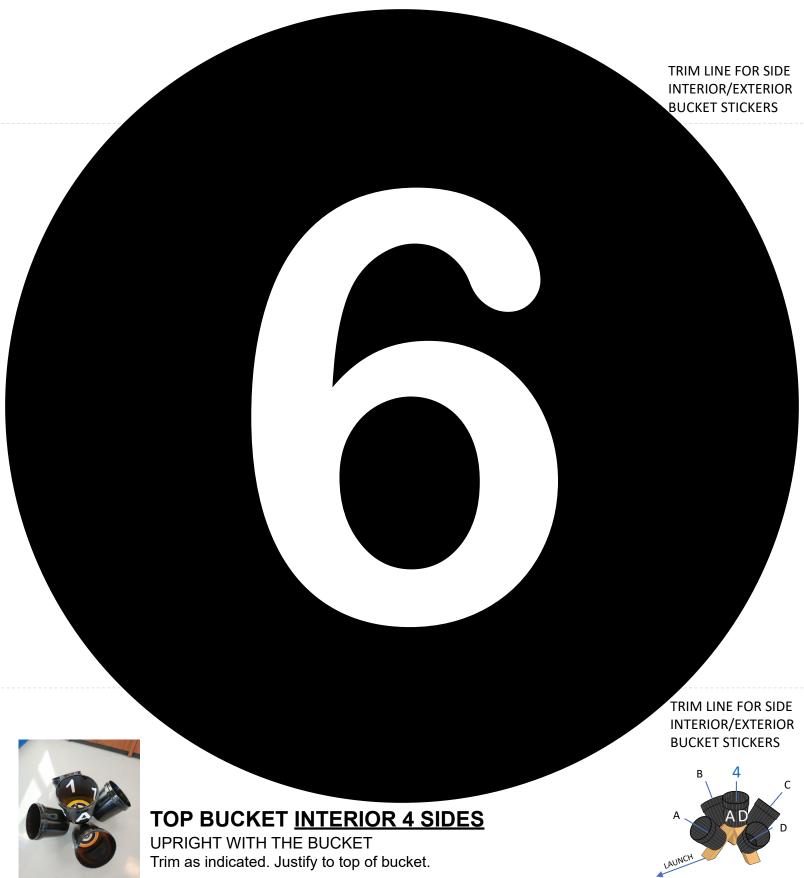




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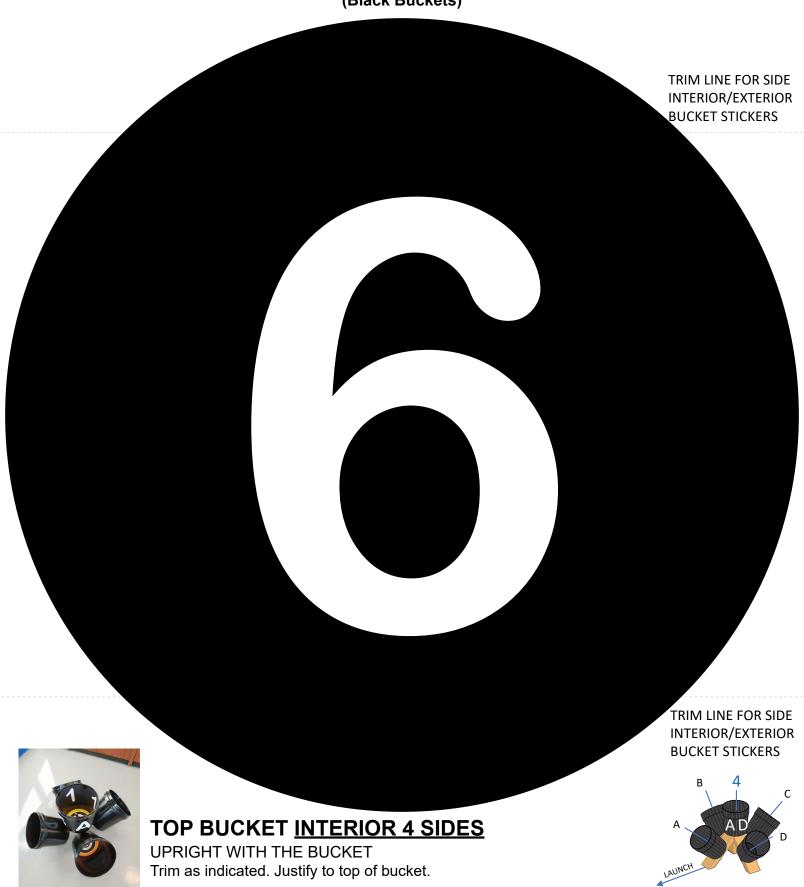




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



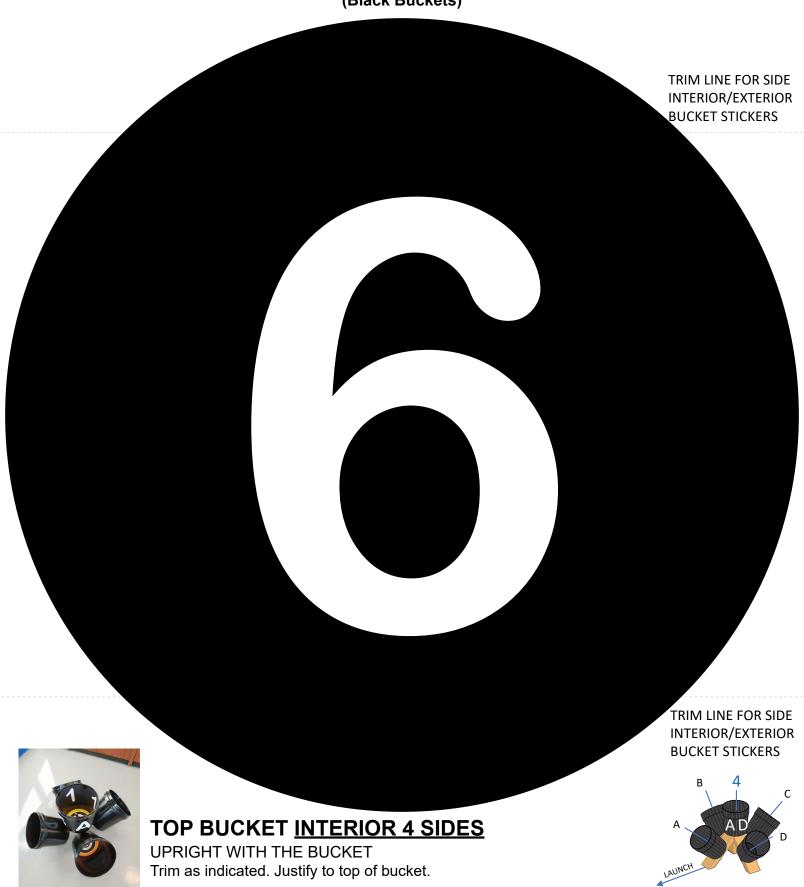




# **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

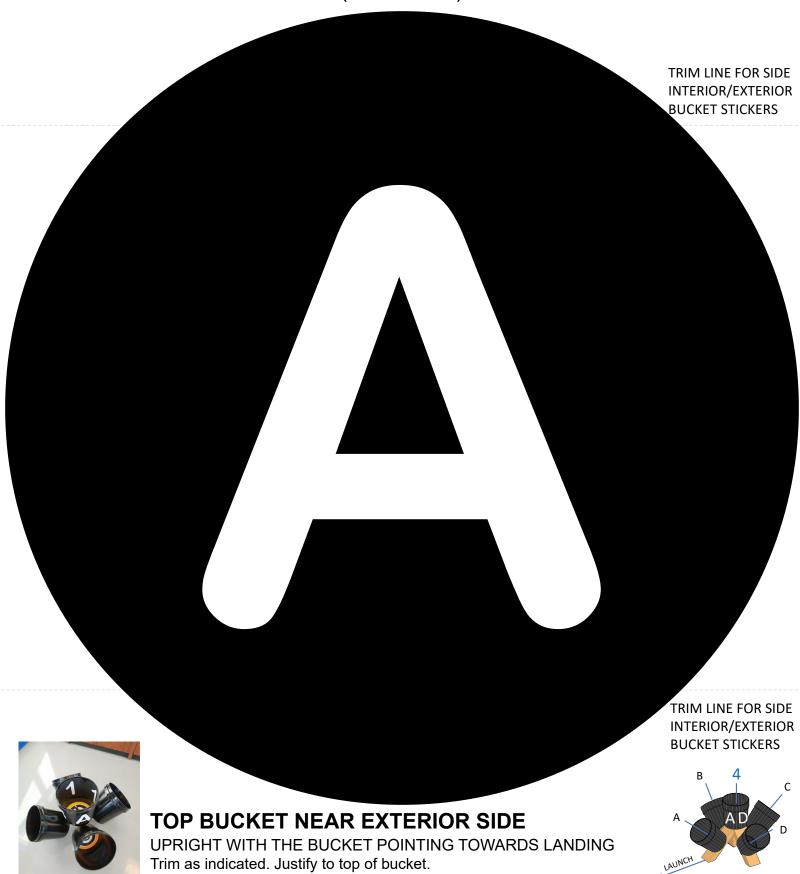






**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov SEPARTMENT OF THE PROPERTY OF

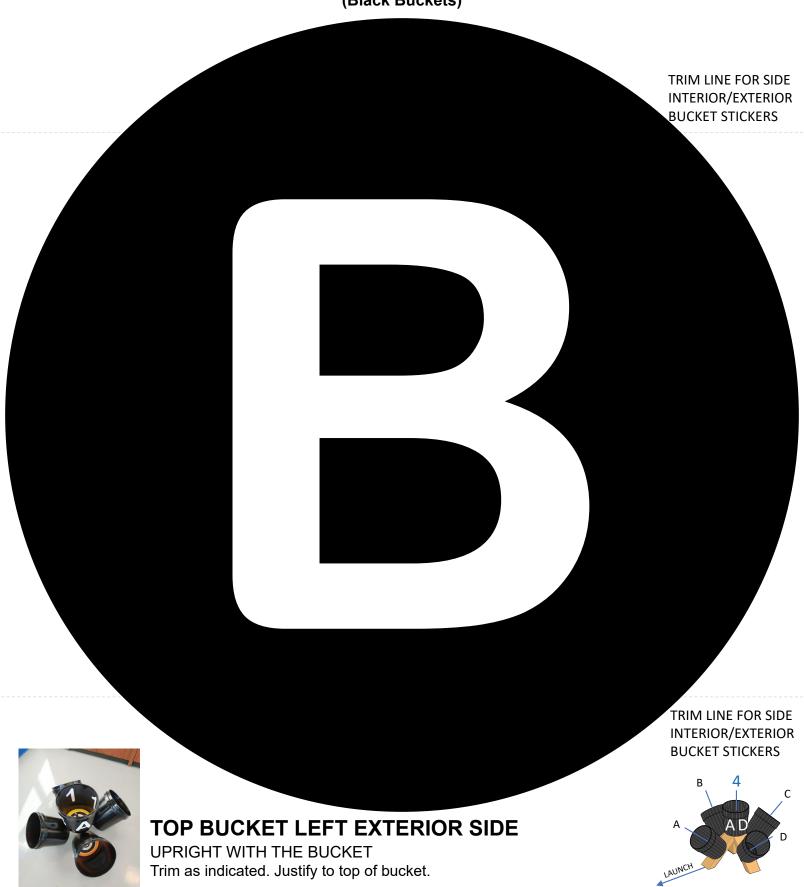




# **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



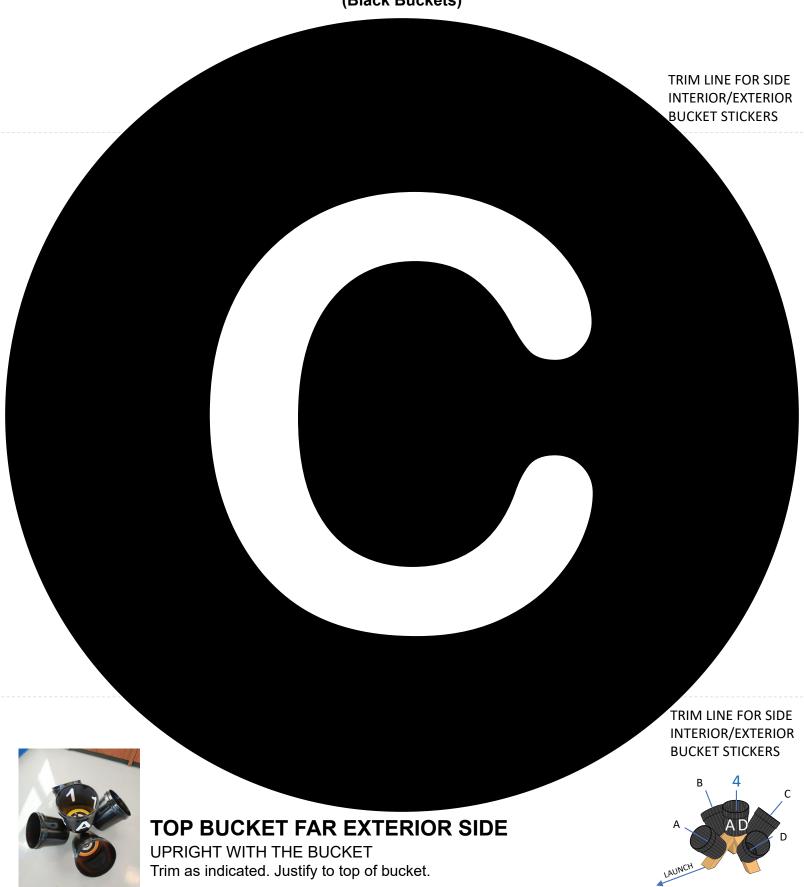




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



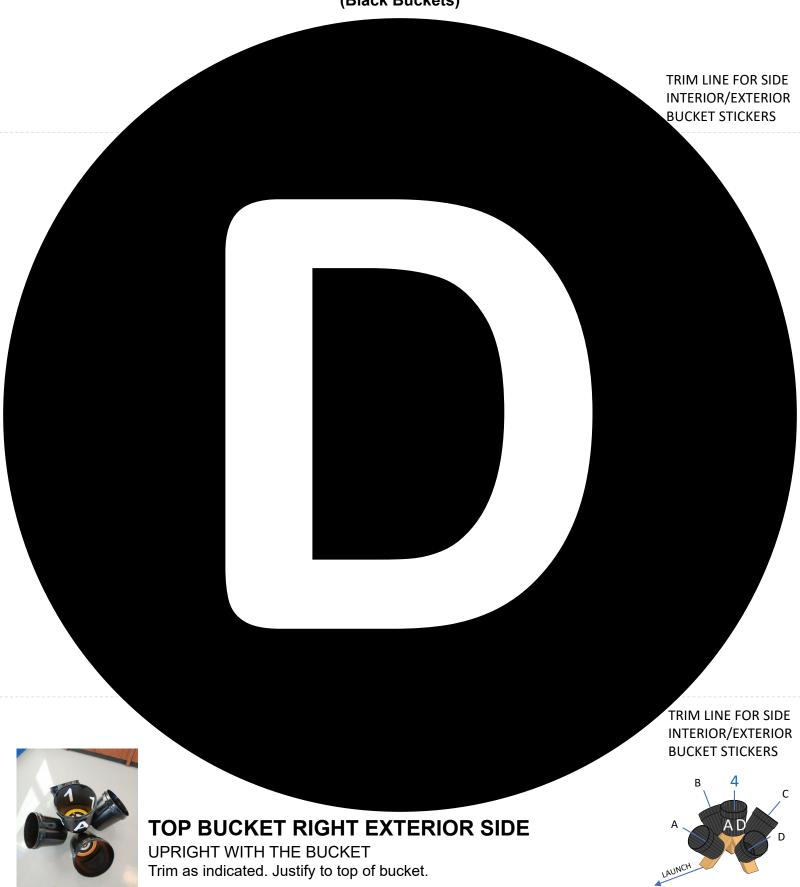




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov







**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



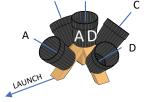
SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



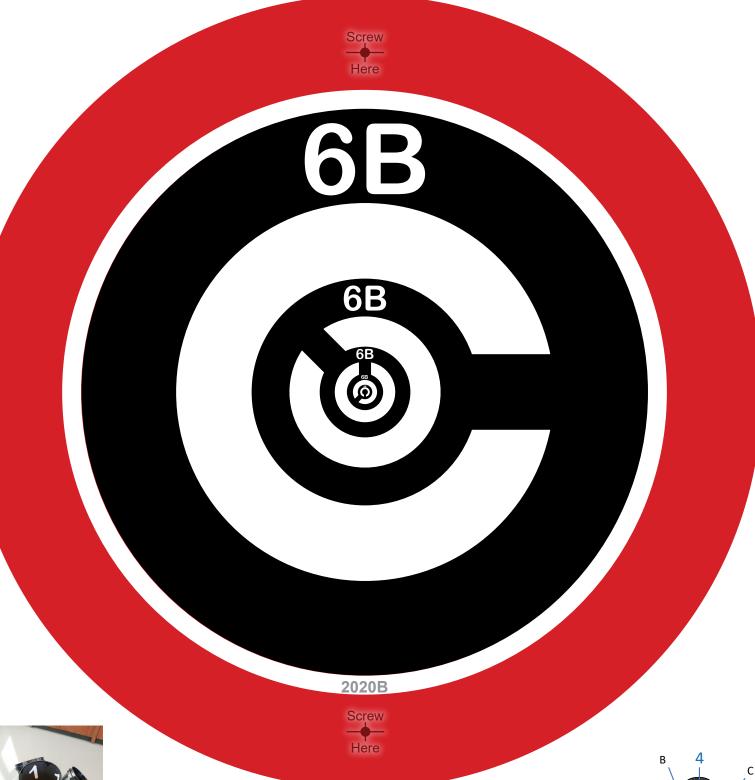


**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



SCENARIO (Black Buckets)





**LEFT ANGLED BUCKET INTERIOR BOTTOM** 

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

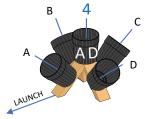


SCENARIO (Black Buckets)





FAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

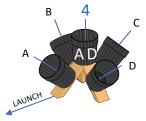


SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

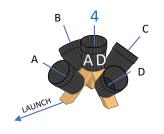


SCENARIO (Black Buckets)





# **TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

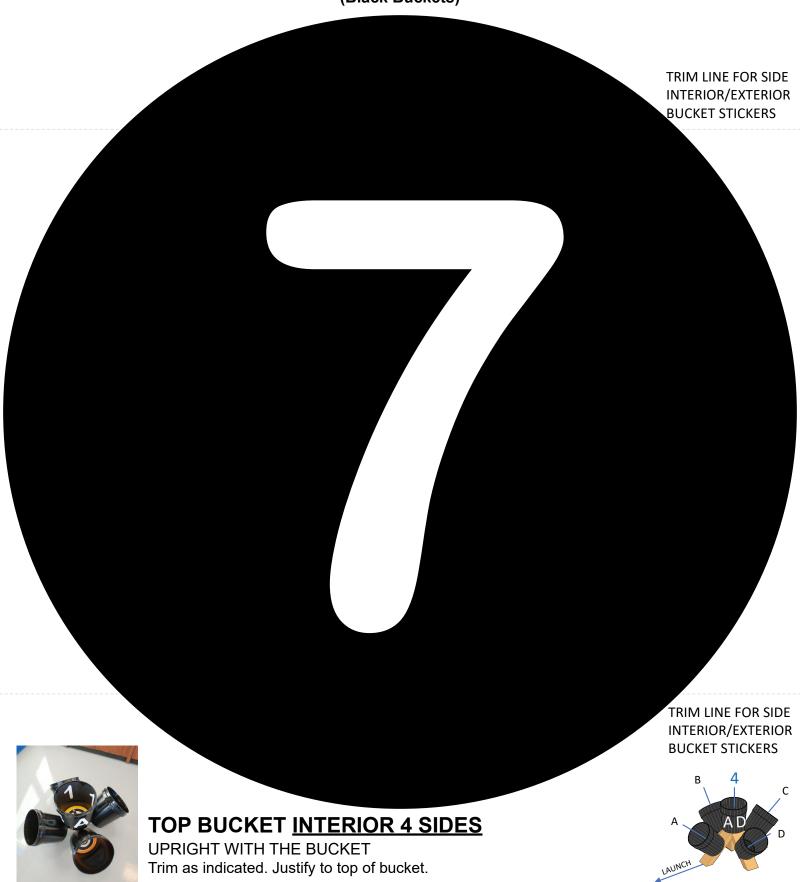




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov







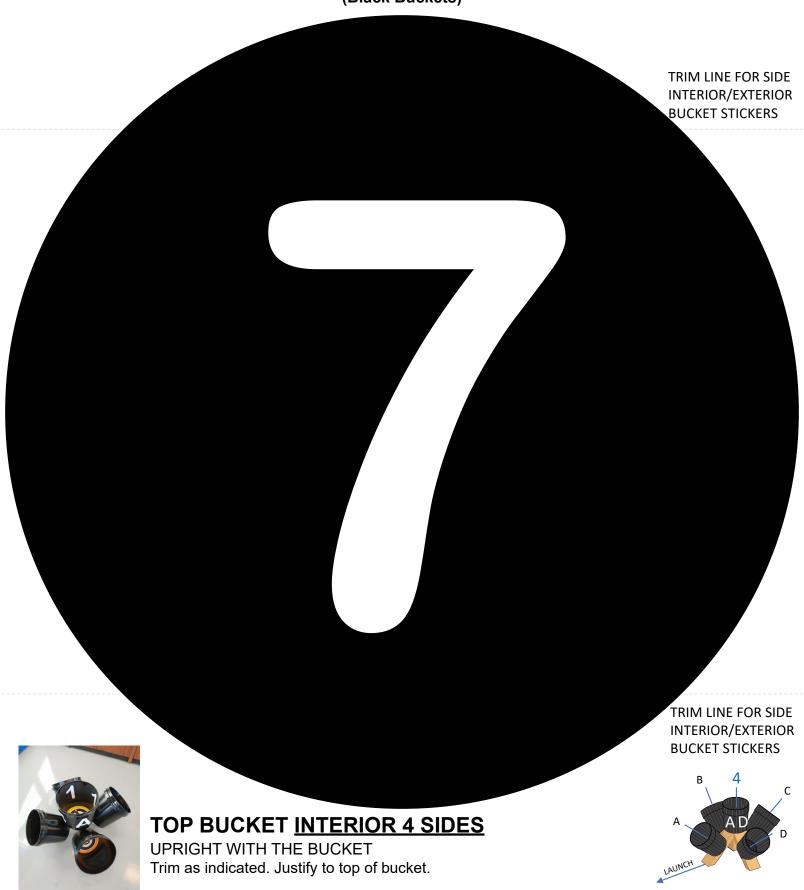
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### **Test Methods for Evaluating Aerial Drones**

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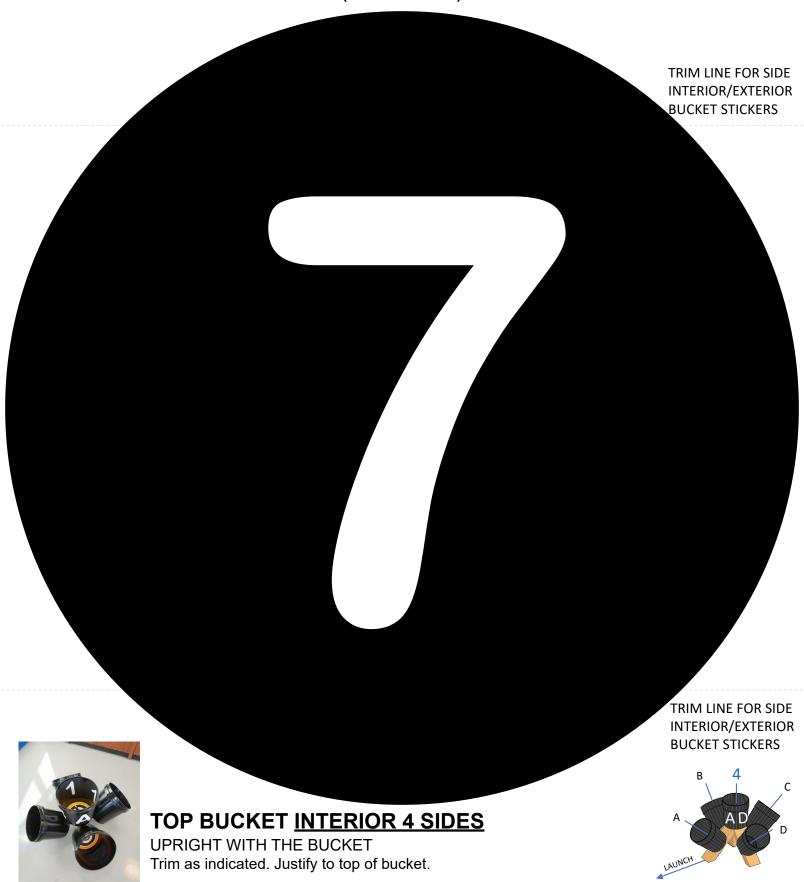




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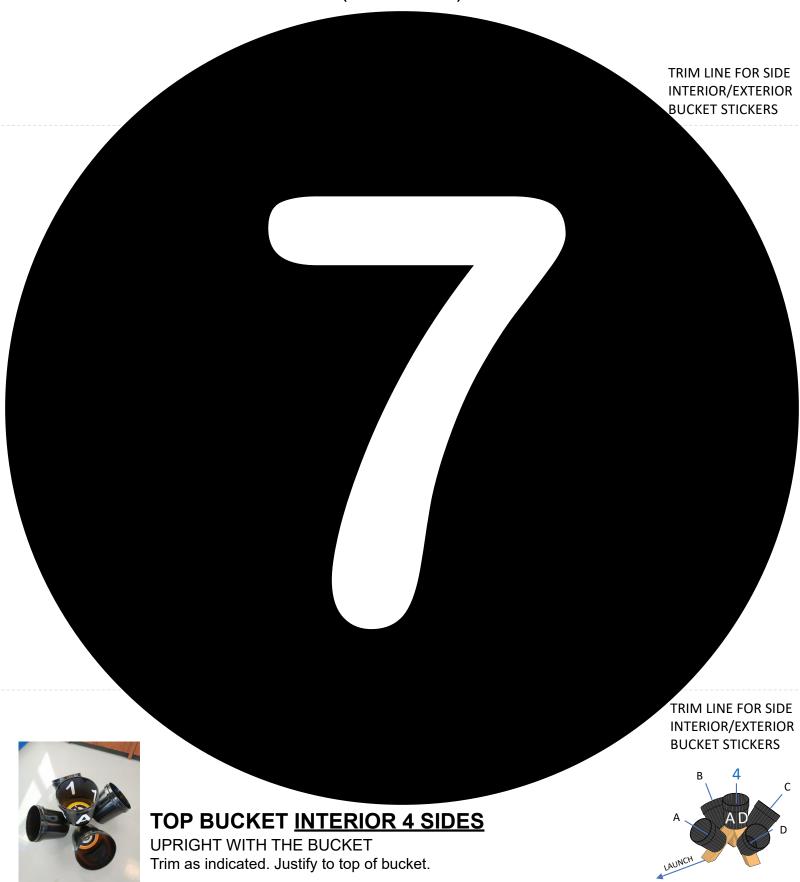
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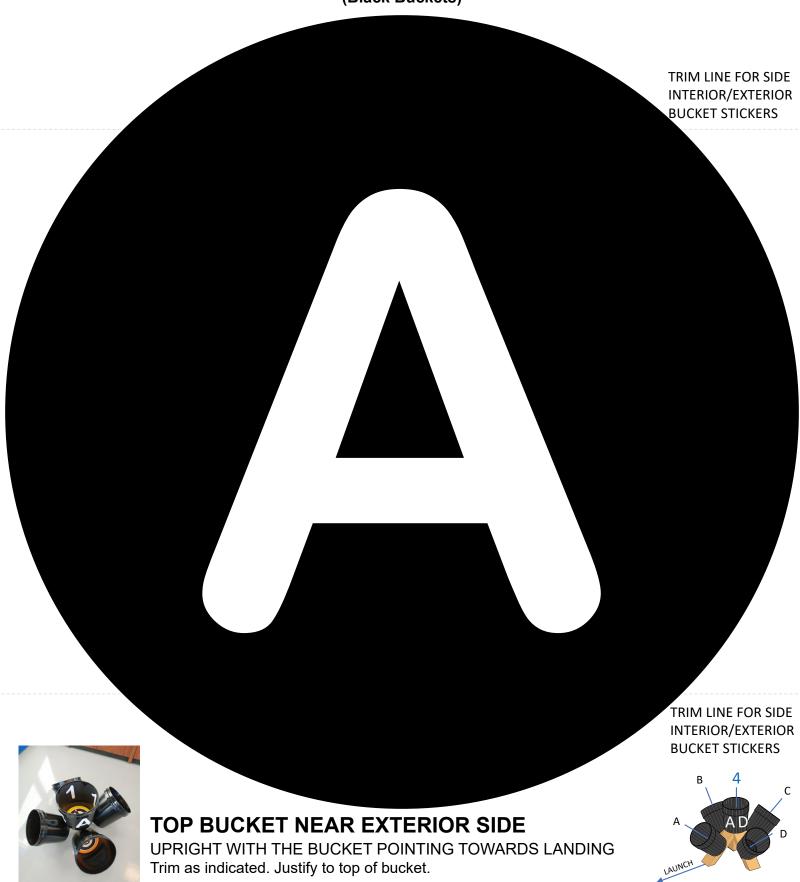






**Test Methods for Evaluating Aerial Drones** 

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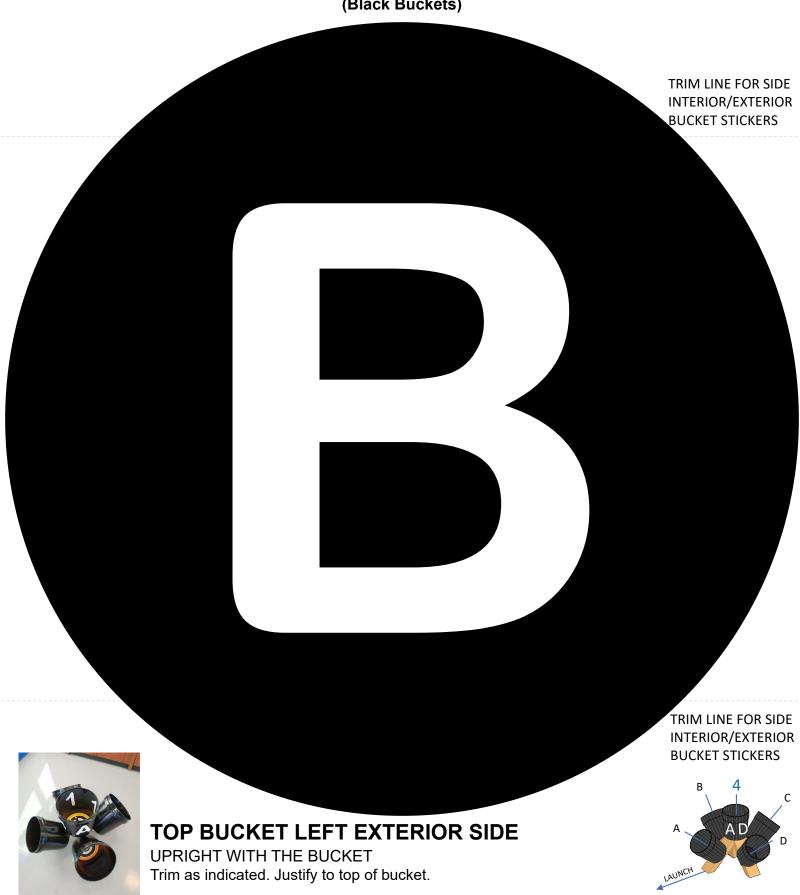




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



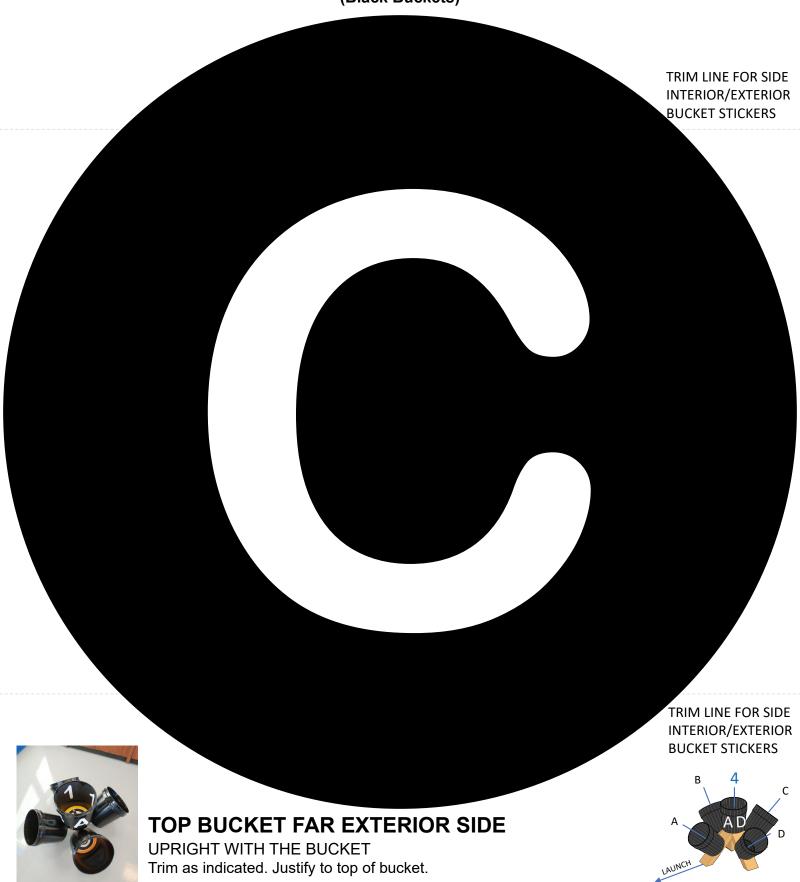




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



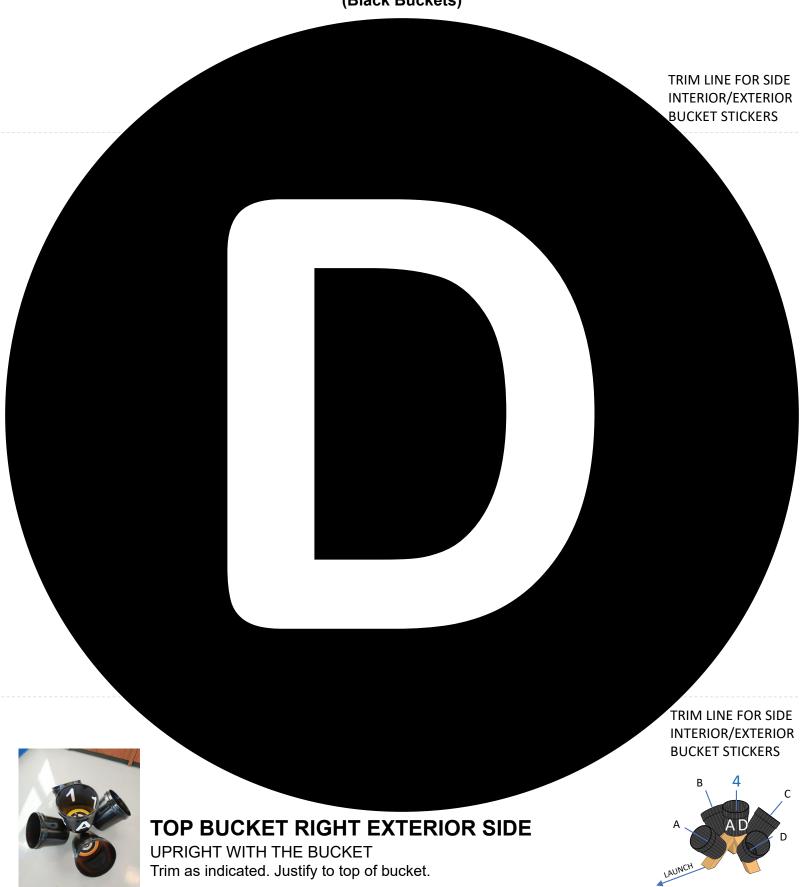




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov





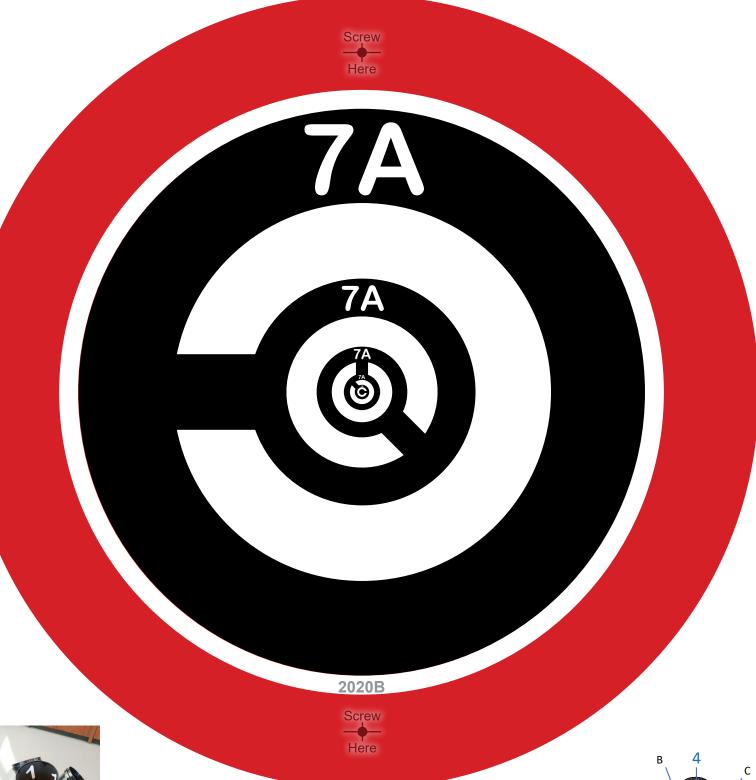


**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED

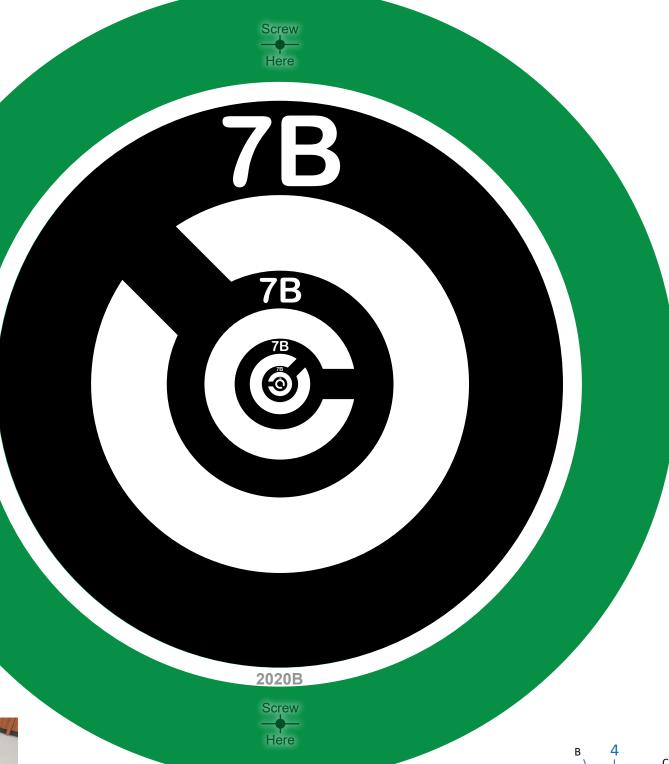


**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



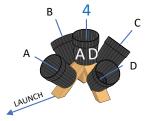
SCENARIO (Black Buckets)





### LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



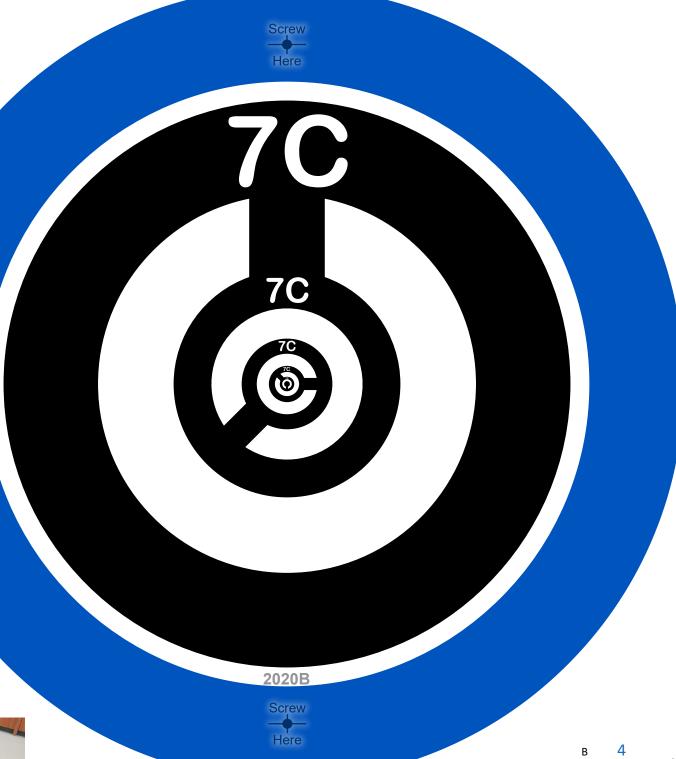


**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

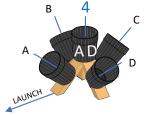


SCENARIO (Black Buckets)





FAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



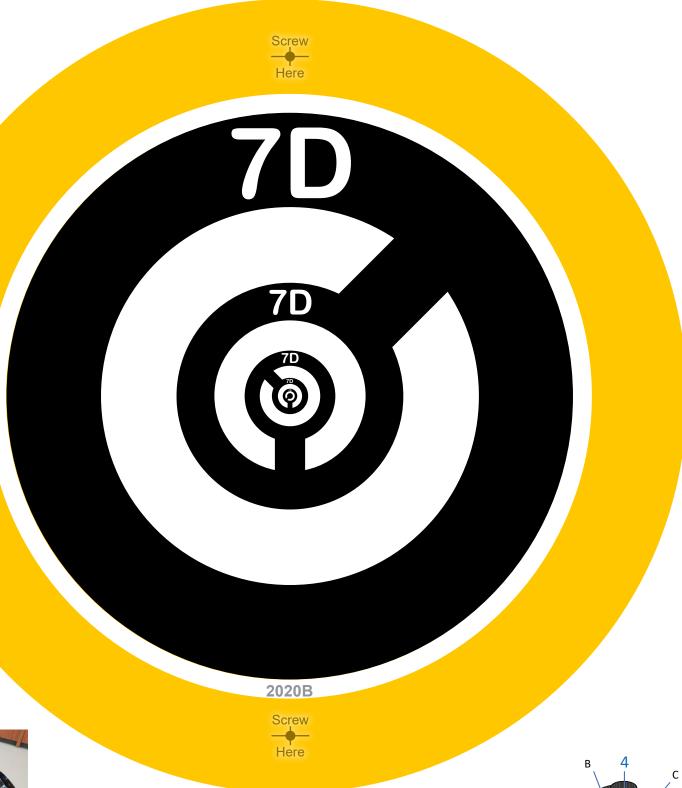


**Test Methods for Evaluating Aerial Drones** 

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SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET INTERIOR BOTTOM

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



**Test Methods for Evaluating Aerial Drones** 

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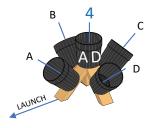


SCENARIO (Black Buckets)





**TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

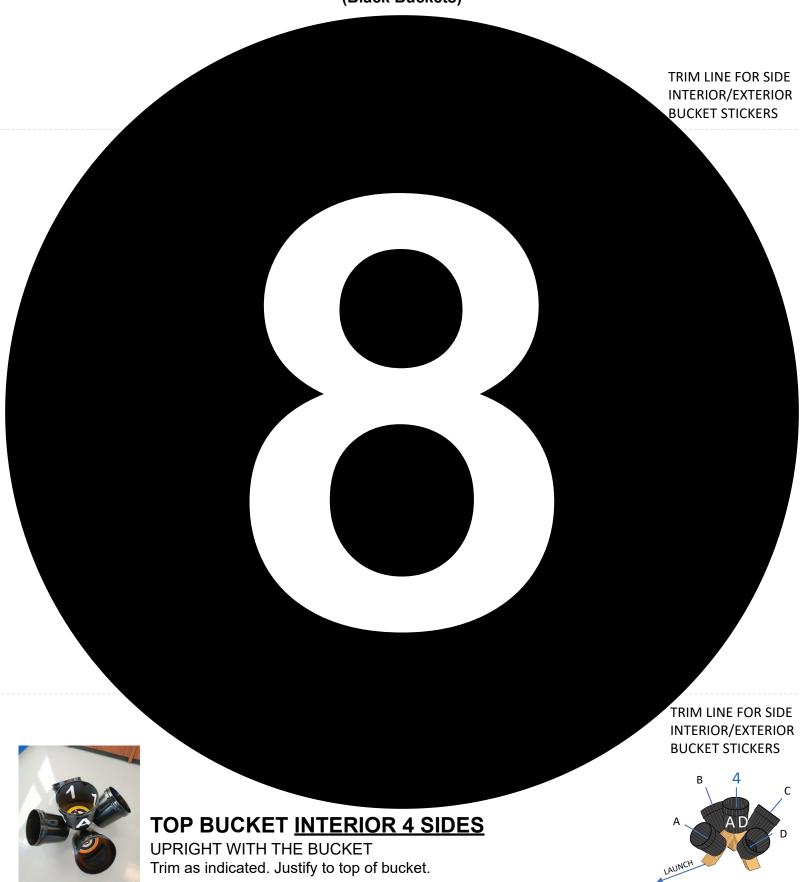




**Test Methods for Evaluating Aerial Drones** 

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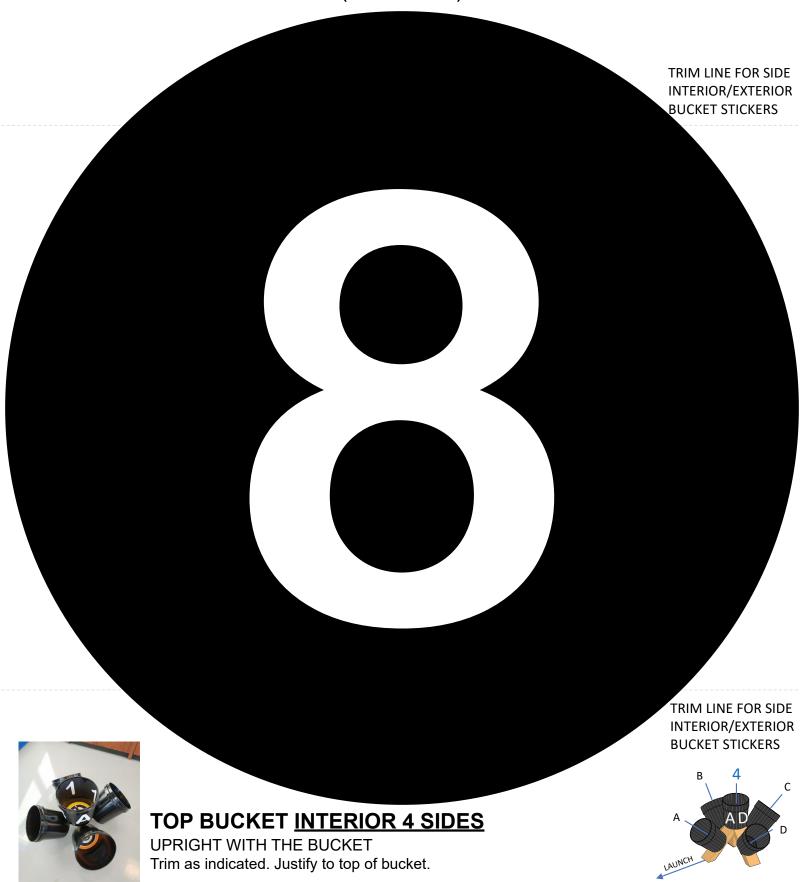




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



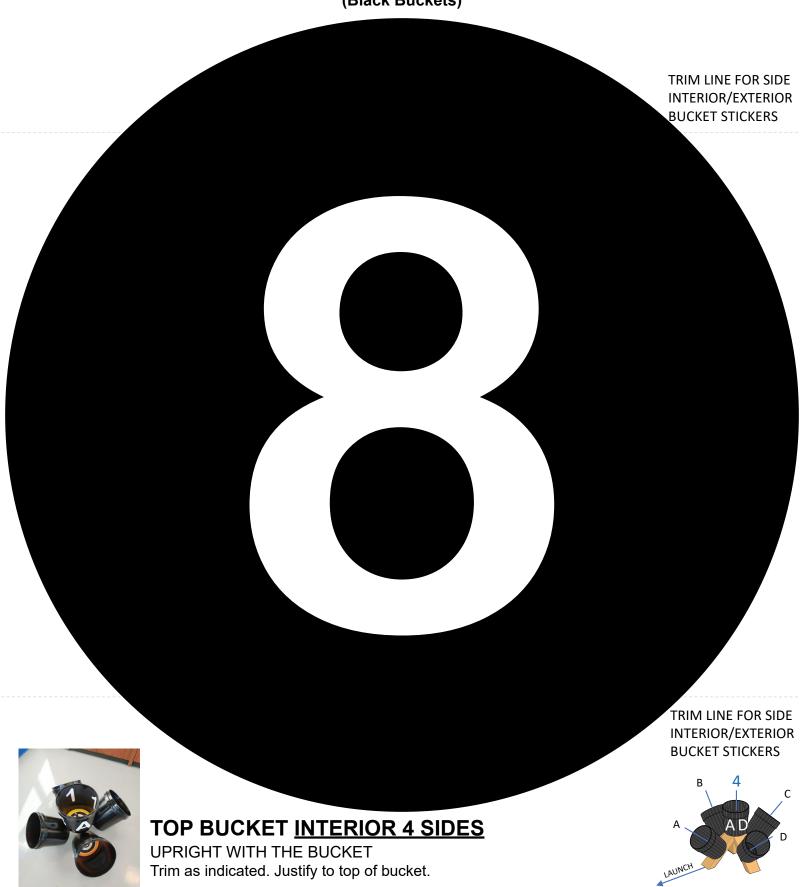




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



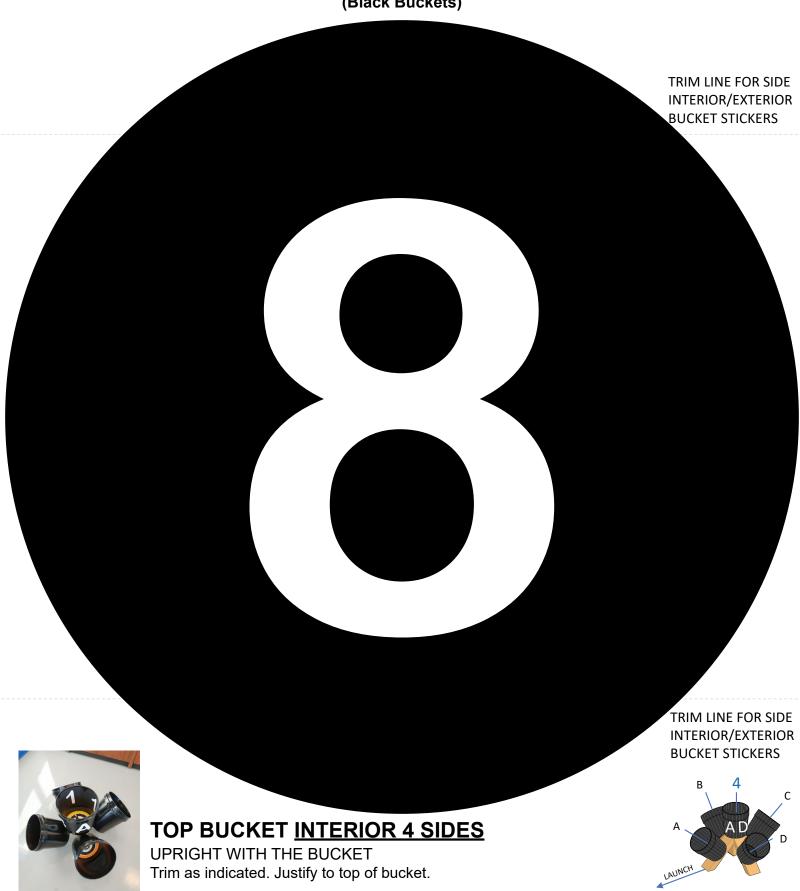




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



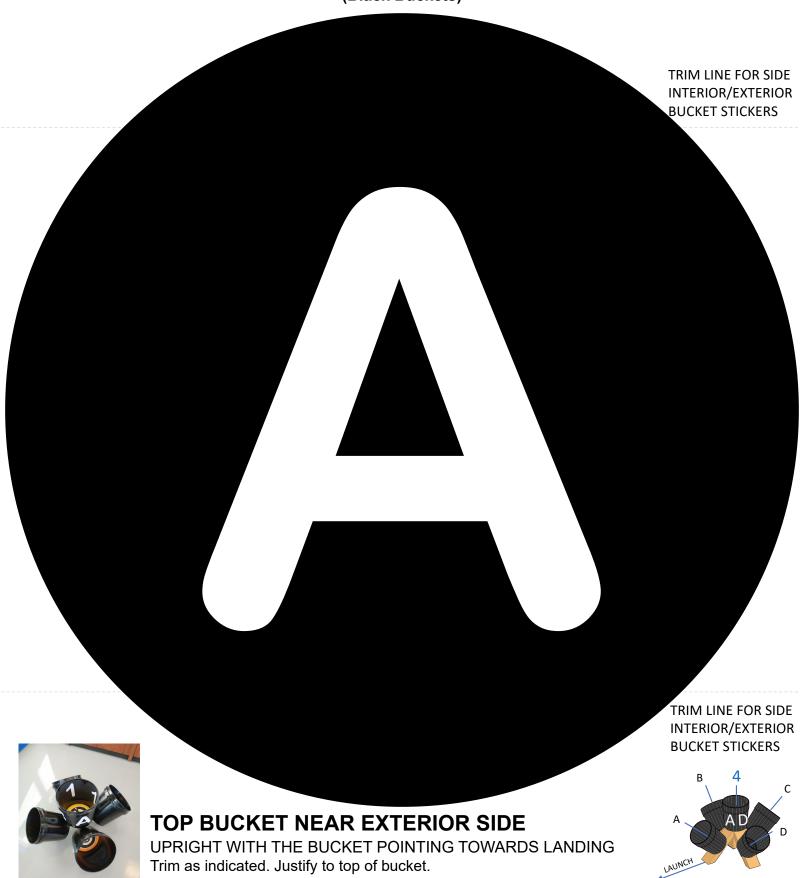




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



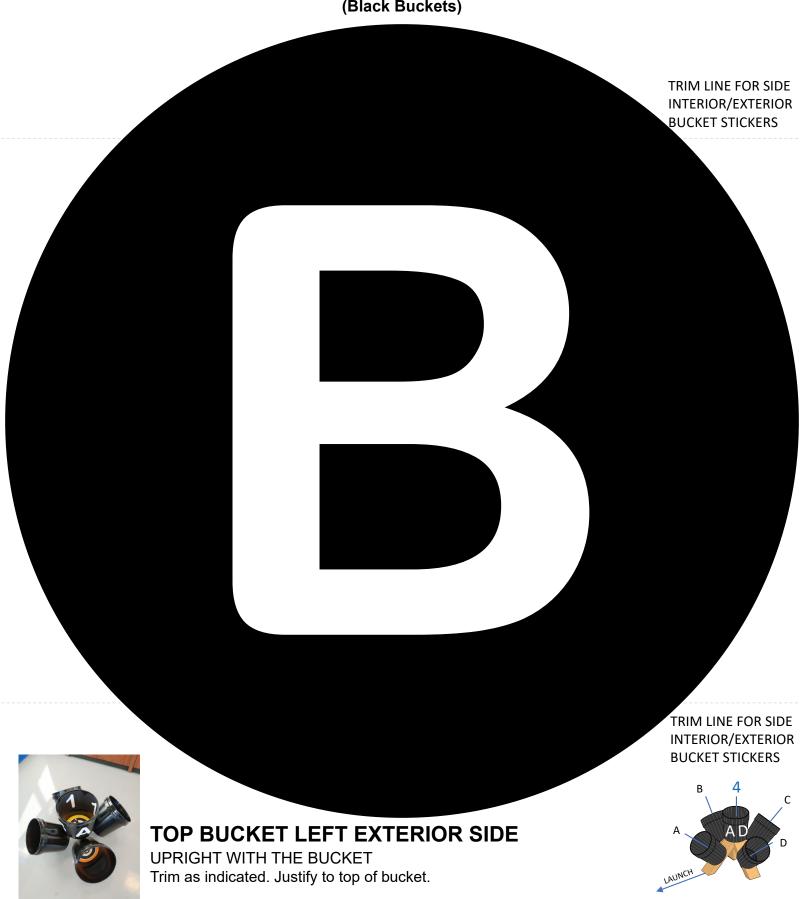




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Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

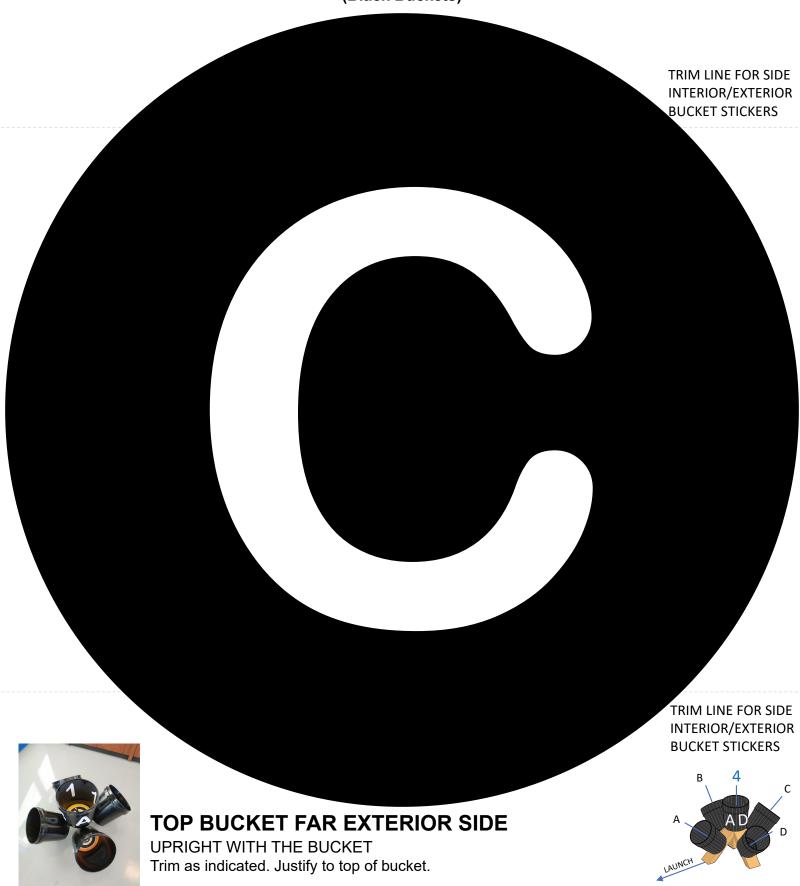






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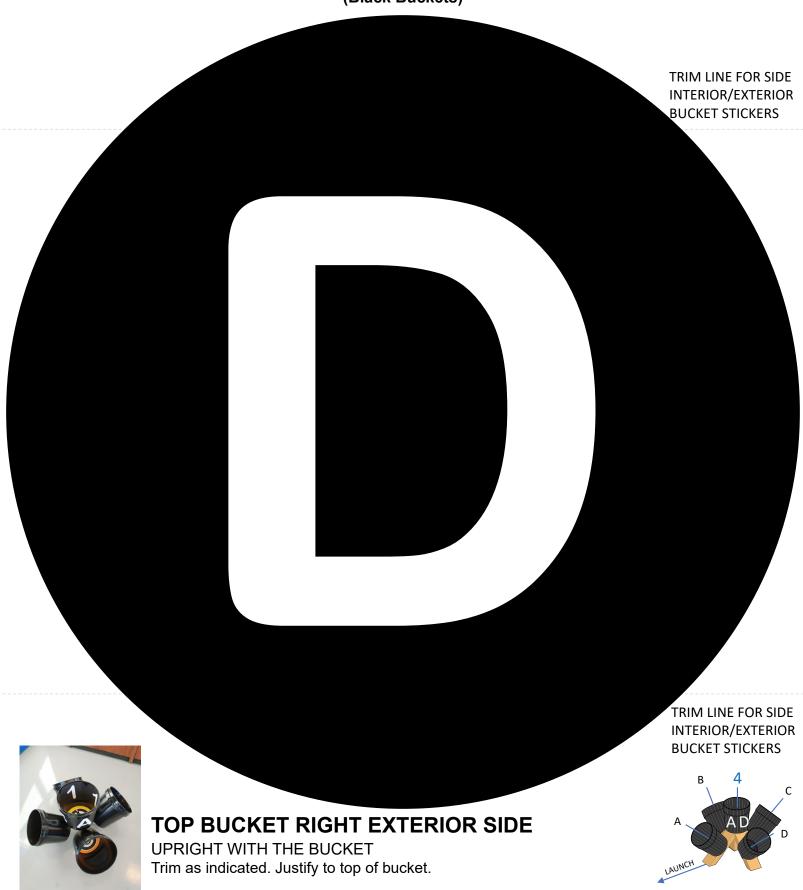
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**Test Methods for Evaluating Aerial Drones** 

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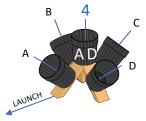


SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



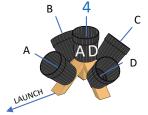
SCENARIO (Black Buckets)





LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

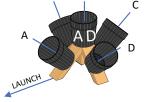


SCENARIO (Black Buckets)





FAR ANGLED BUCKET INTERIOR BOTTOM ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



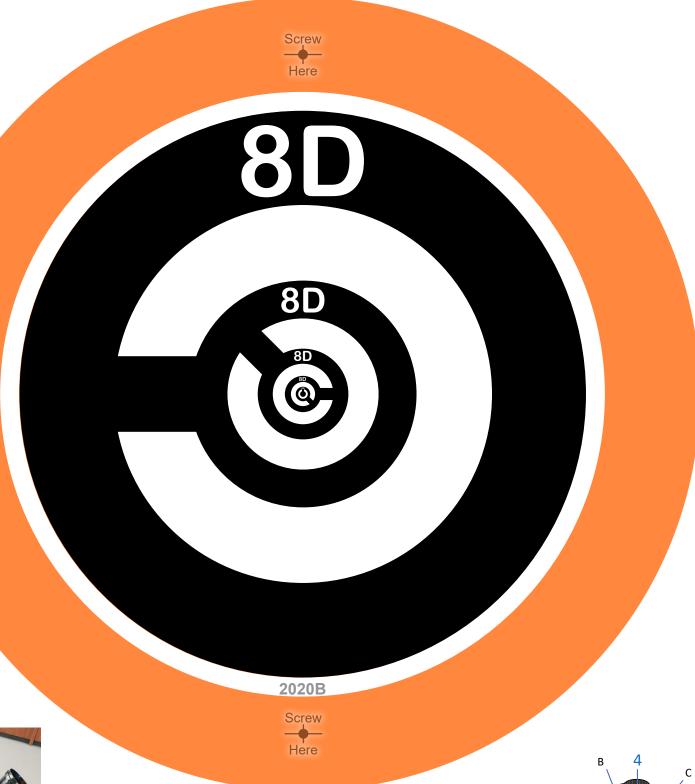


**Test Methods for Evaluating Aerial Drones** 

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SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET INTERIOR BOTTOM

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

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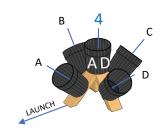


SCENARIO (Black Buckets)





**TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

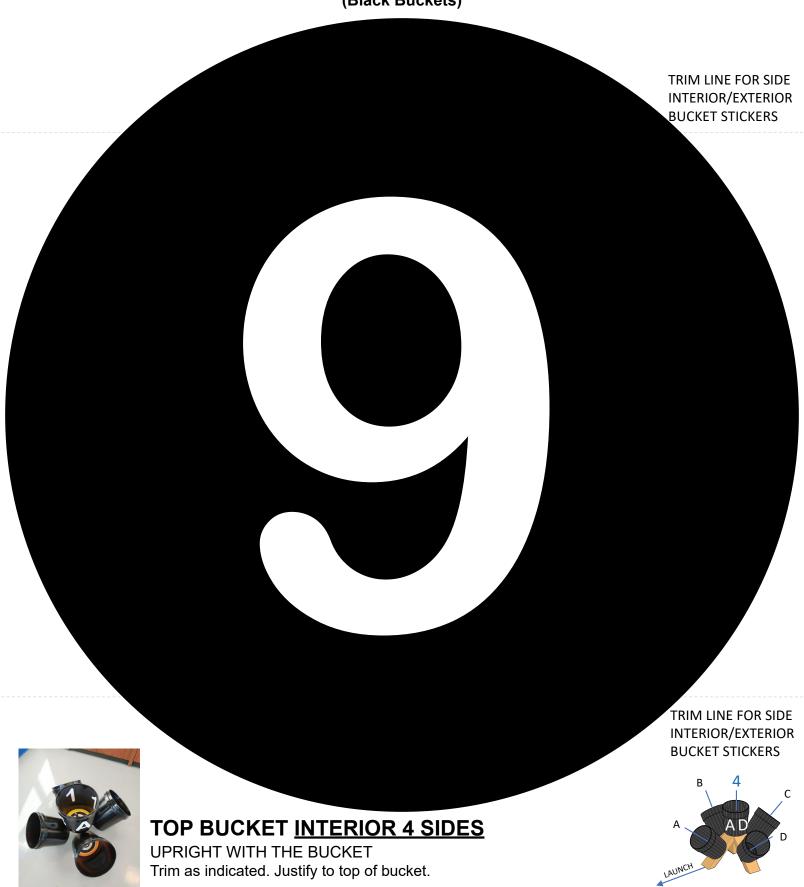




### **Test Methods for Evaluating Aerial Drones**

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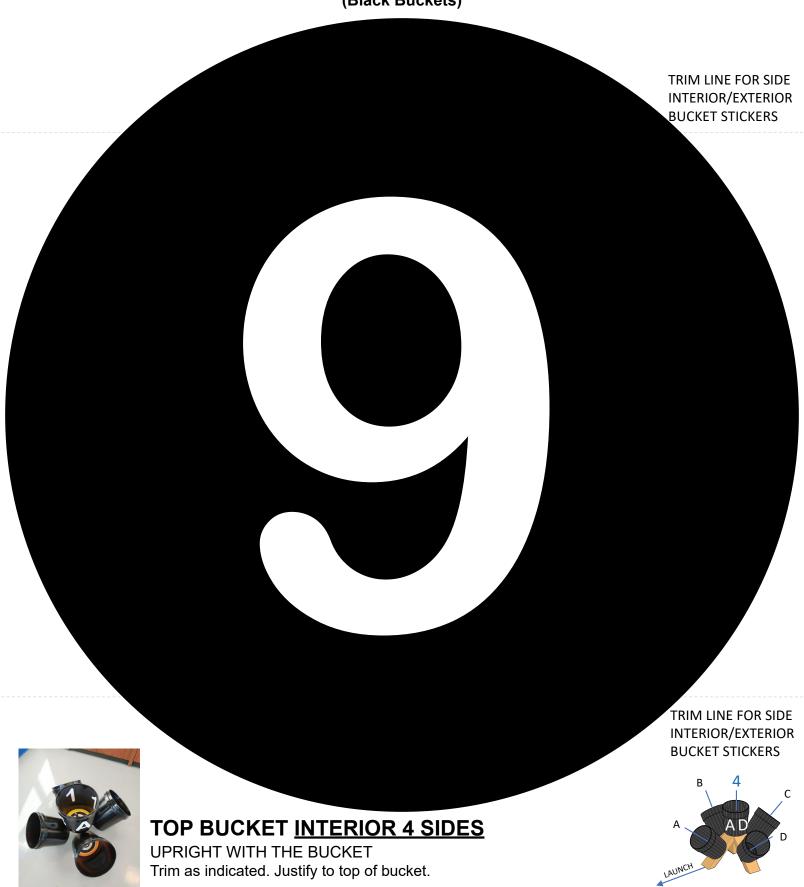




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



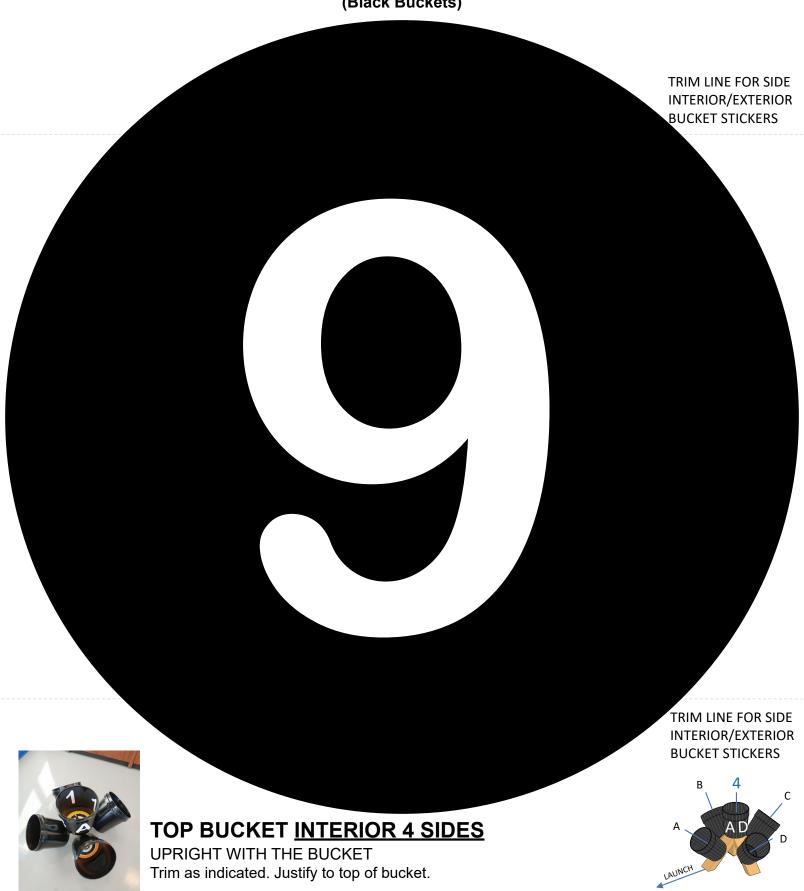




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



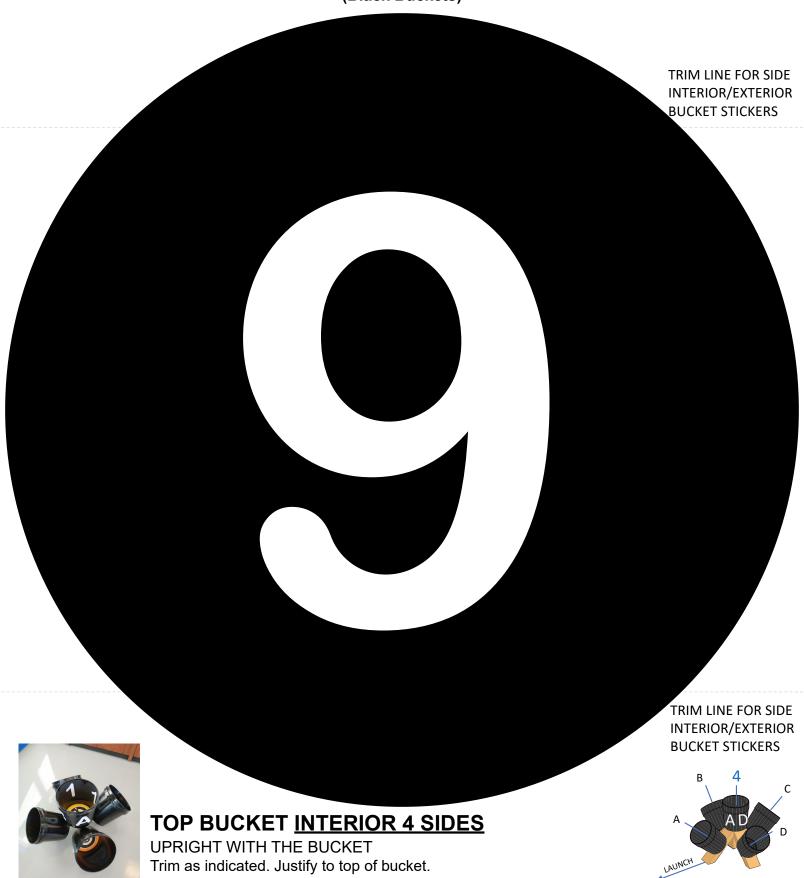




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



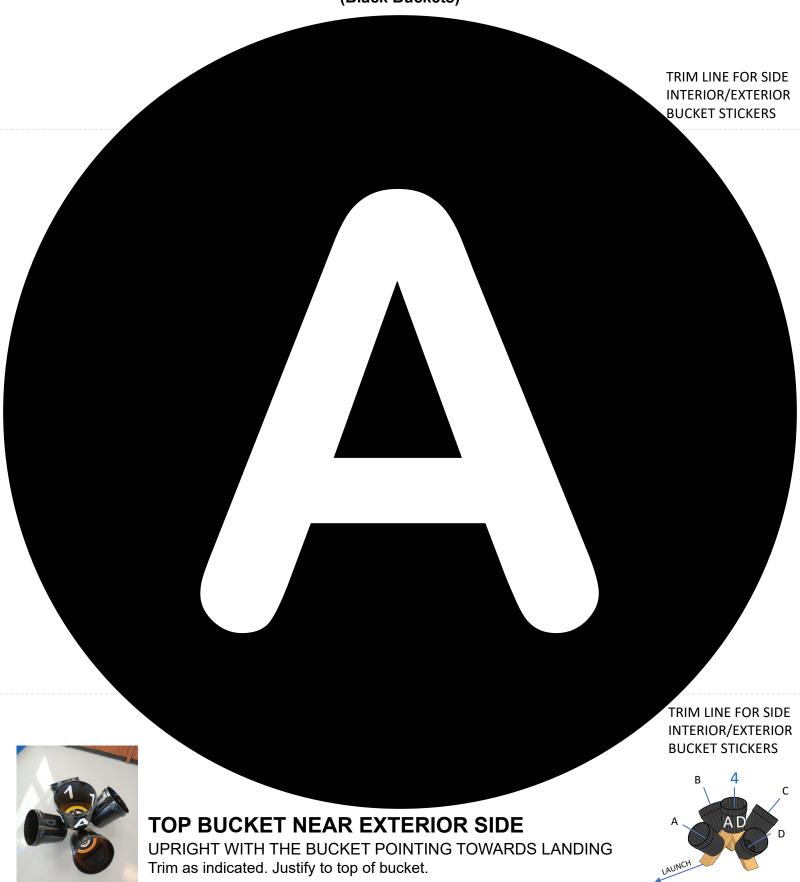




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



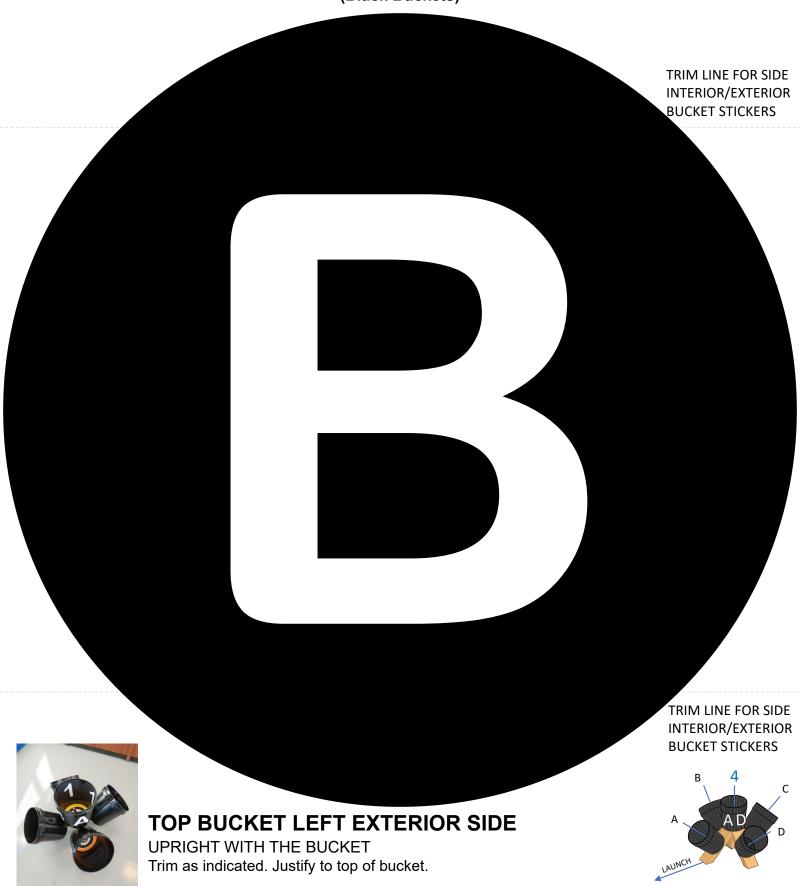




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov







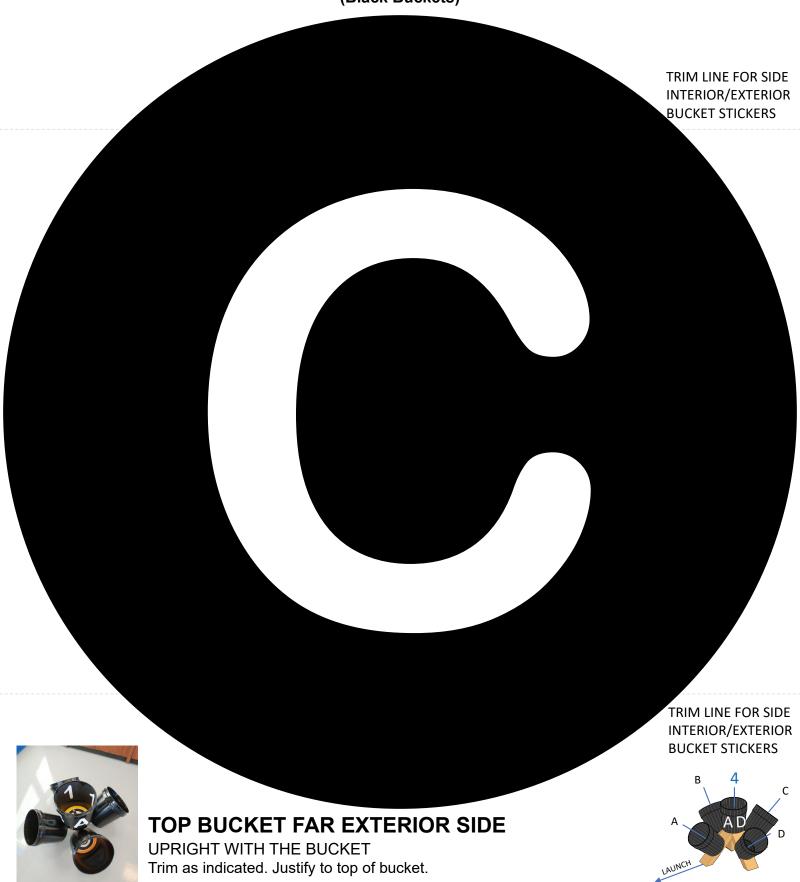
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**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



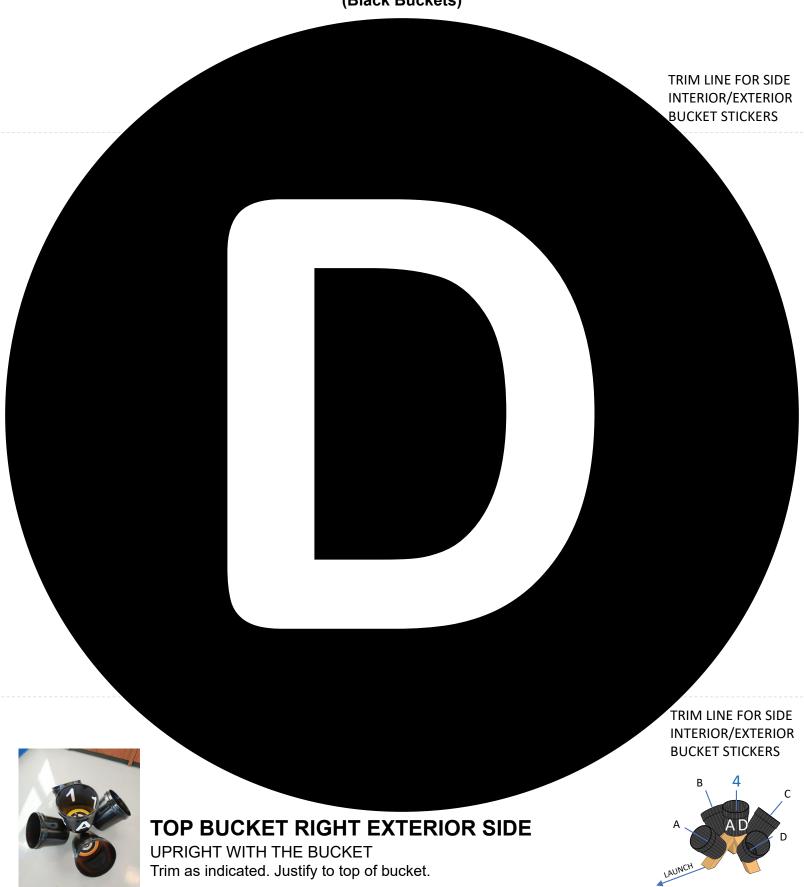




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov







**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

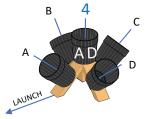


SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



SCENARIO (Black Buckets)





LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



SCENARIO (Black Buckets)





FAR ANGLED BUCKET INTERIOR BOTTOM ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov









**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

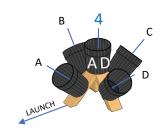


SCENARIO (Black Buckets)





**TOP BUCKET INTERIOR BOTTOM**ORIENTED TO READ LETTER UPRIGHT WHEN IN FRONT OF BUCKET A

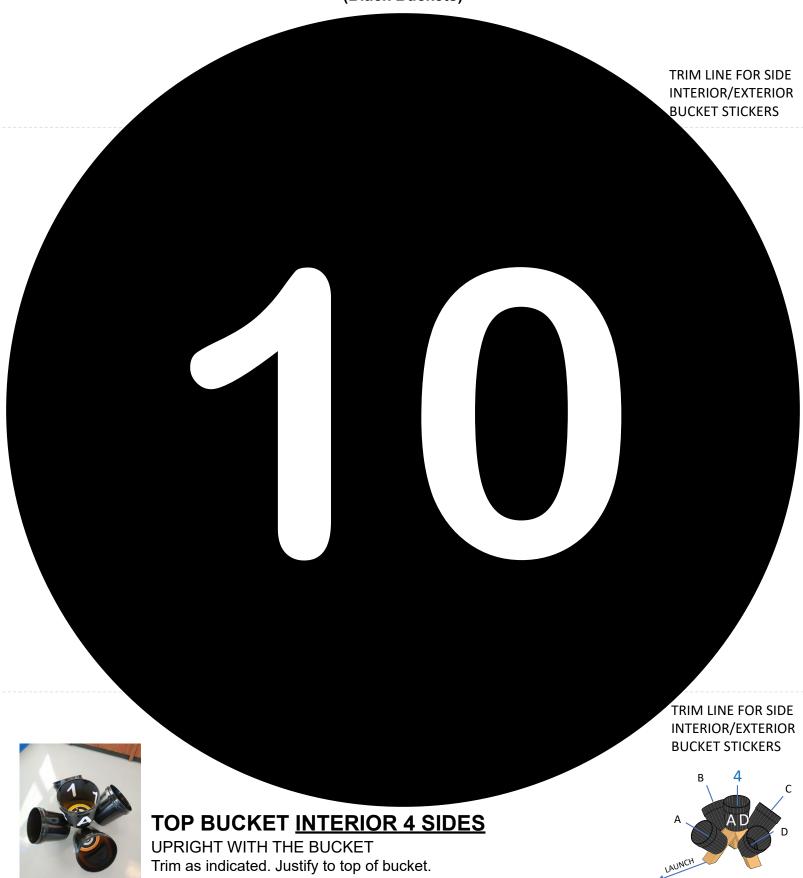




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



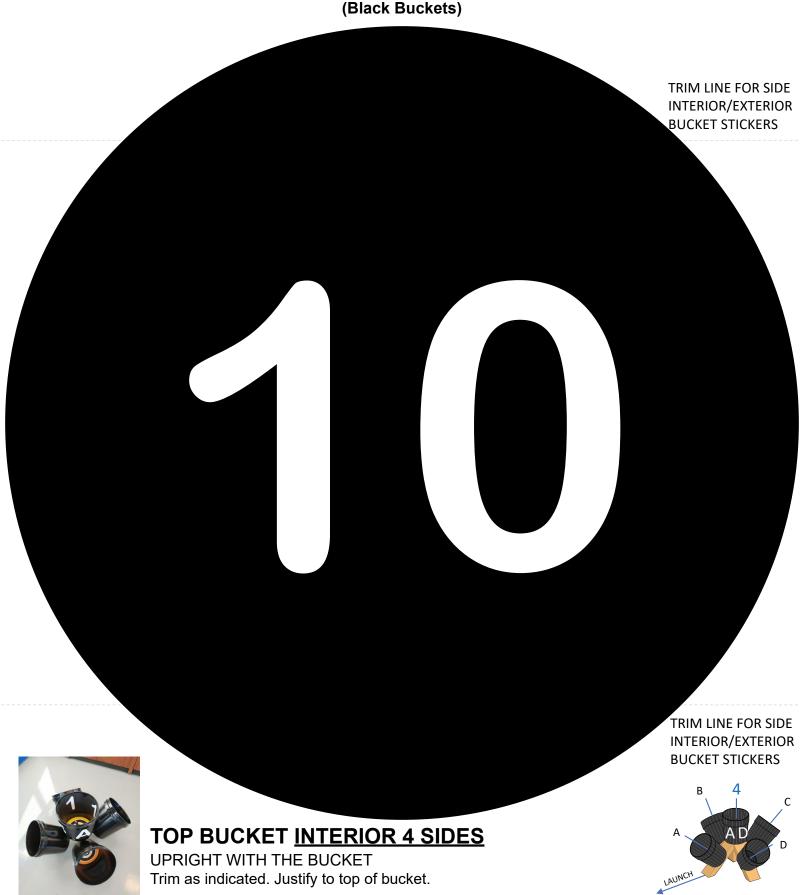




**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



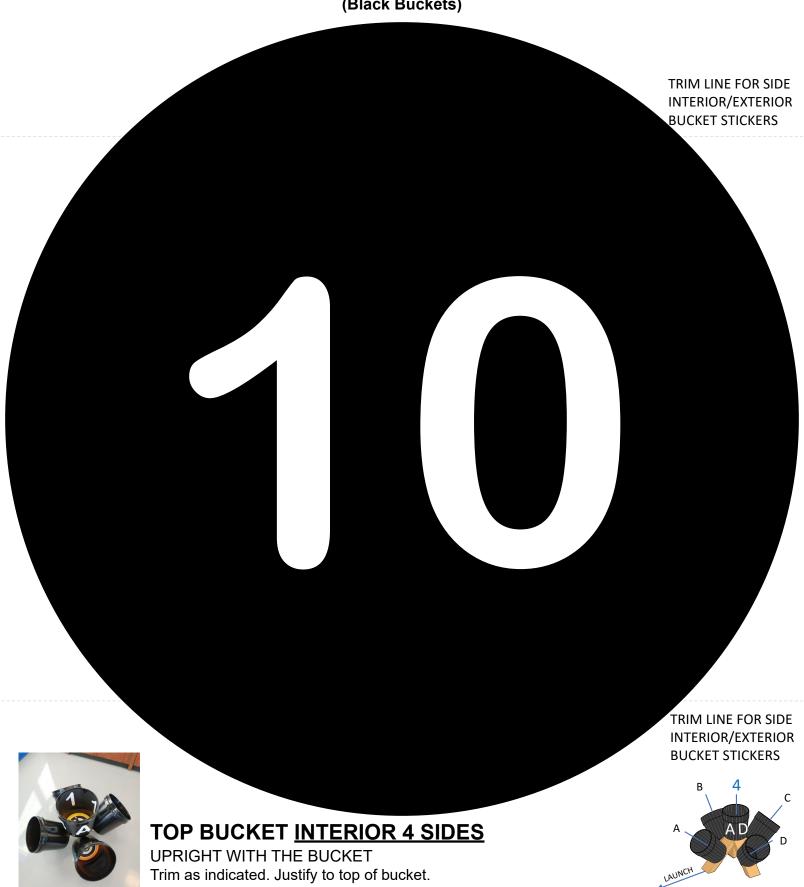




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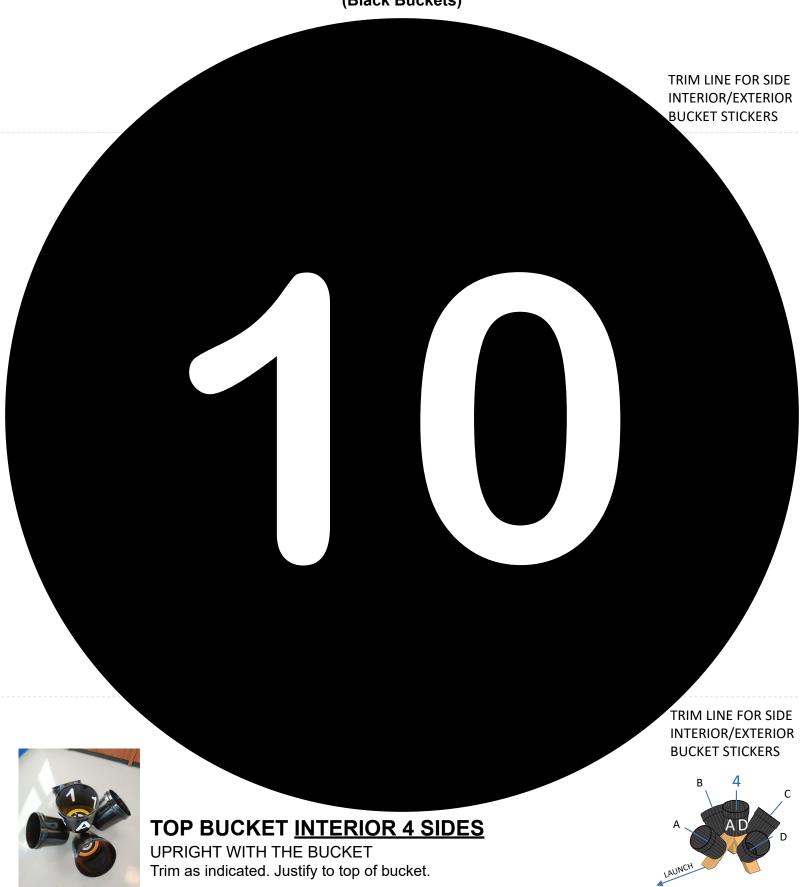




**Test Methods for Evaluating Aerial Drones** 

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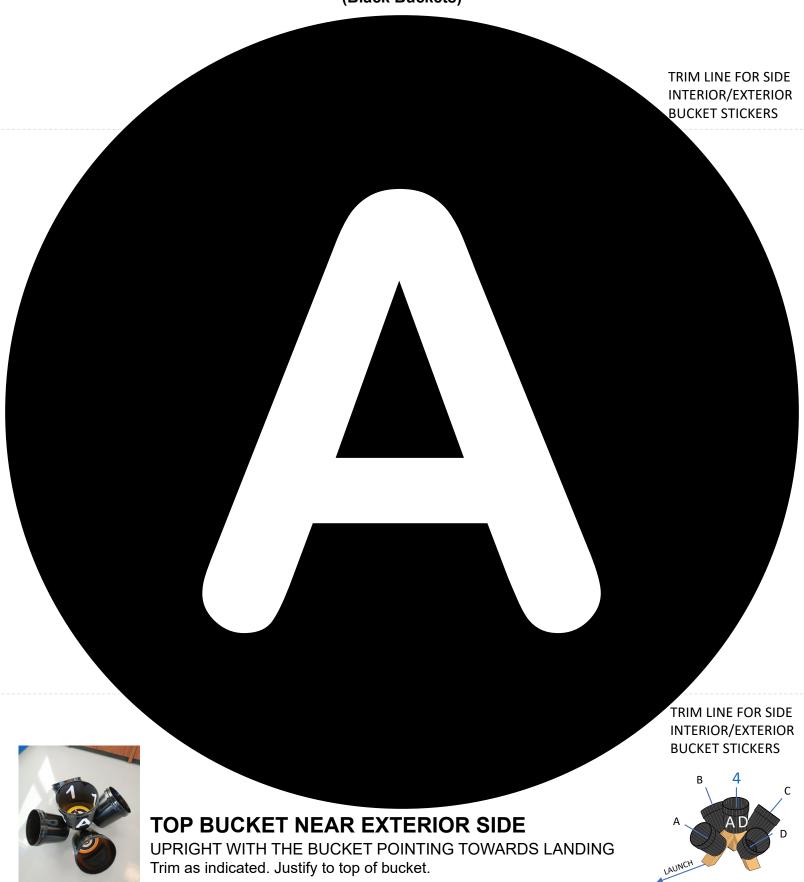
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### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



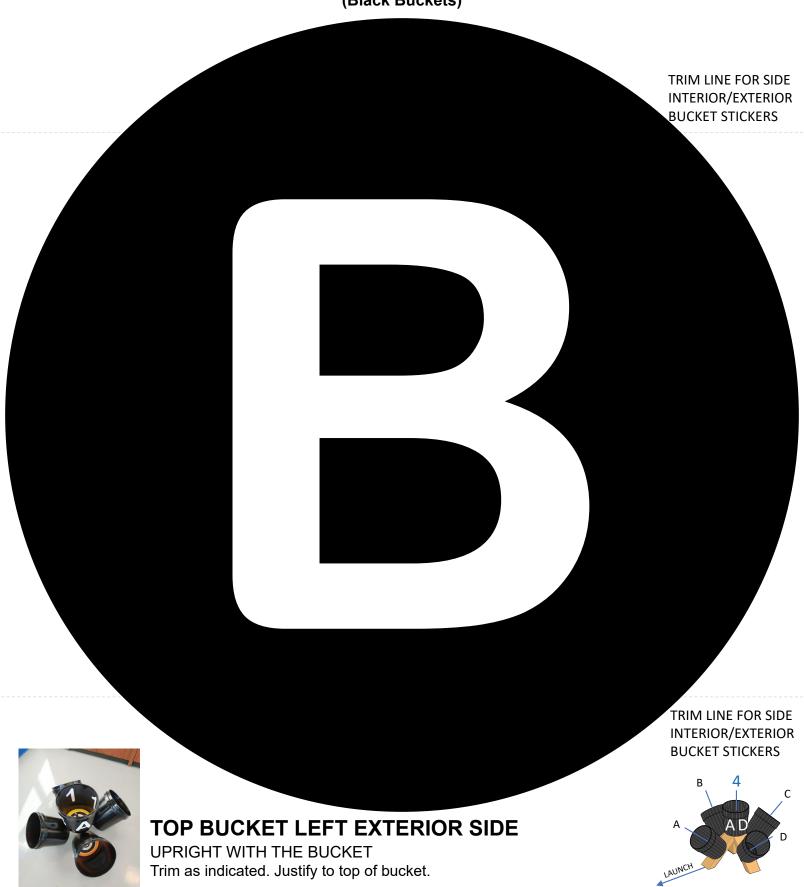




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



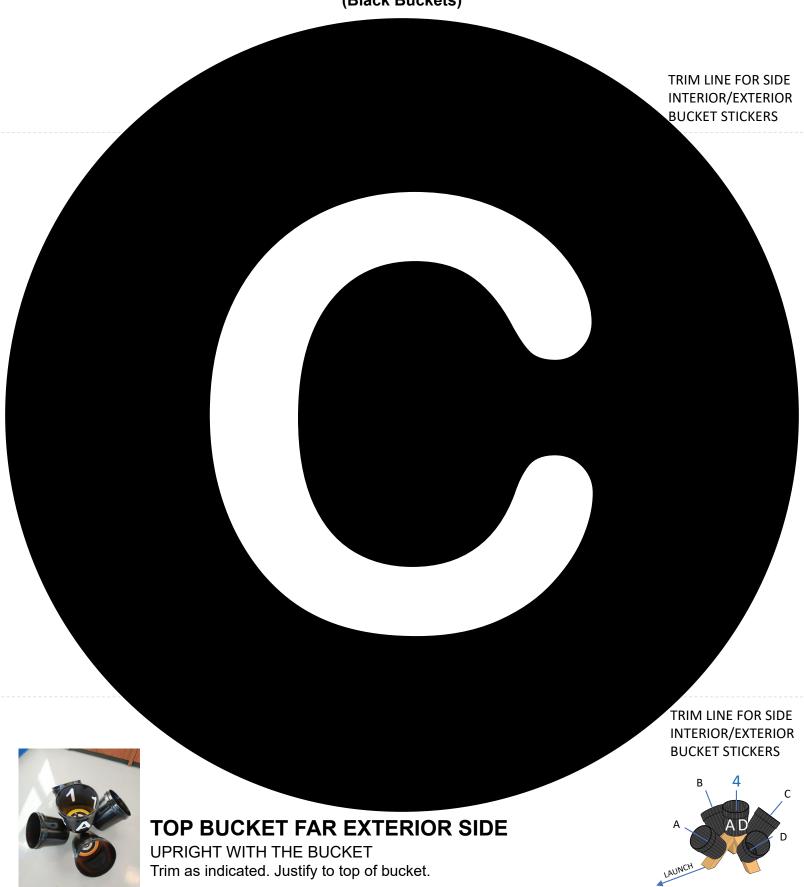




### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



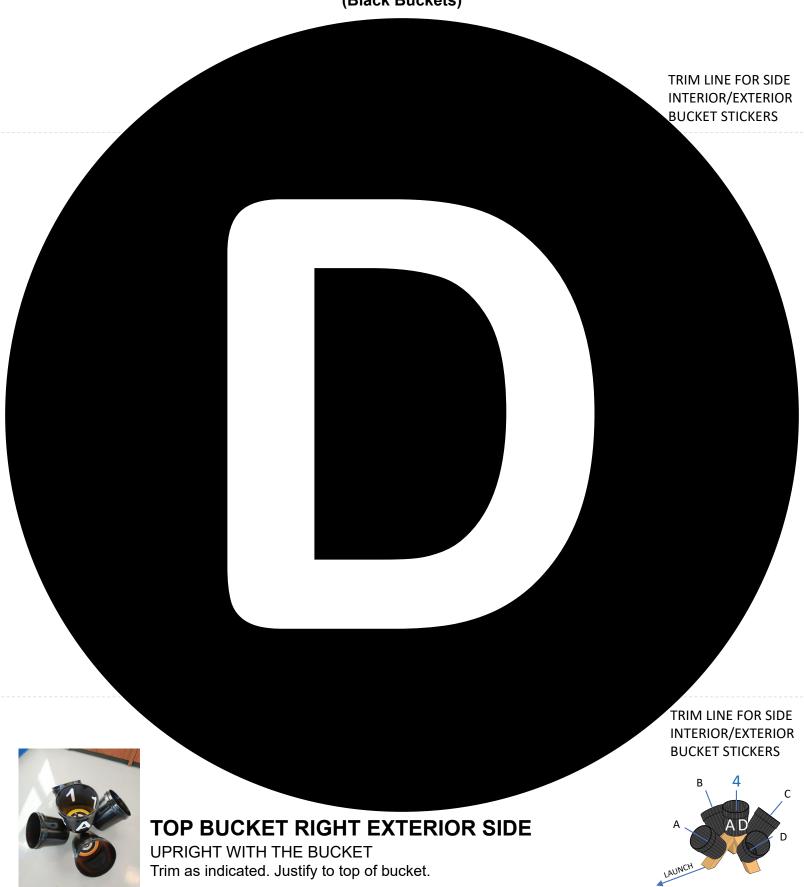




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**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov

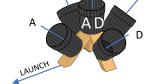


SCENARIO (Black Buckets)





NEAR ANGLED BUCKET <u>INTERIOR BOTTOM</u>
ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED



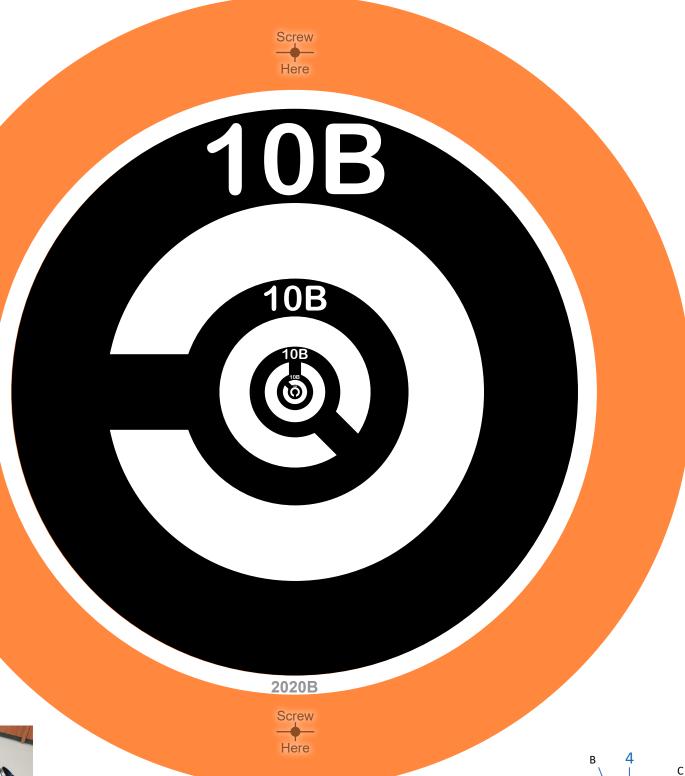


**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



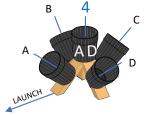
SCENARIO (Black Buckets)





LEFT ANGLED BUCKET <u>INTERIOR BOTTOM</u>

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



SCENARIO (Black Buckets)





FAR ANGLED BUCKET INTERIOR BOTTOM ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED

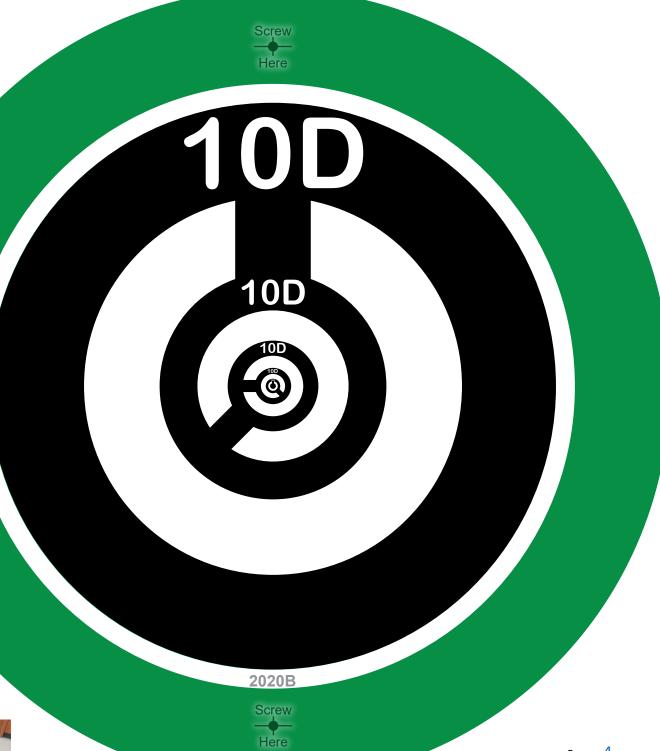


**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



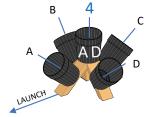
SCENARIO (Black Buckets)





RIGHT ANGLED BUCKET INTERIOR BOTTOM

ORIENTED TO READ LETTER UPRIGHT WHEN MOUNTED





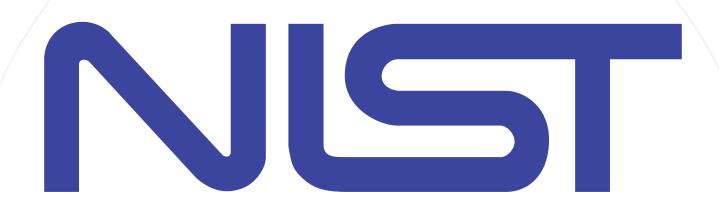
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**Test Methods for Evaluating Aerial Drones** 

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SCENARIO (Black Buckets)



# National Institute of Standards and Technology

U.S. Department of Commerce

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## LAUNCH/LAND PLATFORM

ORIENTED TO READ CORRECTLY WHEN FACING CENTER OF LANE

Place at bottom of panel, beyond landing circle if there is room.





### **Test Methods for Evaluating Aerial Drones**

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



**SCENARIO** (Black Buckets)





ORIENTED TO READ CORRECTLY WHEN FACING CENTER OF **LANE** 

Place at top of panel, beyond landing circle if there is room.





**Test Methods for Evaluating Aerial Drones** 

Safety | Capabilities | Proficiency RobotTestMethods.nist.gov



SCENARIO (Black Buckets)





# LAUNCH/LAND PLATFORM

ORIENTED TO READ CORRECTLY WHEN FACING CENTER OF LANE

Place in middle of panel.

