UFO
Ultra Flat Overrunable robot platform

PARTS CATALOG – UFO-20201B
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1. Front Wheel KIT
   UFO-99-0010
   Includes:
   1x Front wheel
   1x countersunk screw
   2x countersunk screw

2. Rear Wheel KIT
   UFO-99-0020
   Includes:
   1x Rear wheel
   1x countersunk screw

3. UFO Mini Front Wheel
   6100018
   Includes:
   1x front wheel

4. Joint Shaft Front KIT
   UFO-99-0030
   Includes:
   1x Cardan Joint
   1x Bearing
   1x Wheel axis
   1x Countersunk screw

*ships preassembled*
5. **Brake Disk KIT**  
**UFO-99-0040**  
**Includes:**  
4x Brake disk  
4x Brake pad set

6. **Steering Servo**  
**6005703**  
**Includes:**  
1x Steering servo (with connectors)

7. **Damper KIT**  
**UFO-99-0070**  
**Includes:**  
1x Damper  
2x reduction Set  
*ships preassembled*

8. **Swing Front Left KIT**  
**UFO-99-0080**  
**Includes:**  
1x Swing front left  
1x Linkage flange front left  
1x Screws and bolt  
*ships preassembled*
9. Swing Front Right KIT
UFO-99-0090

Includes:
1x Swing front right
1x Linkage flange front right
1x Screws and bolt

*ships preassembled

10. Running Gear Rear Left KIT
UFO-99-0100

Includes:
1x Landing gear
1x Axis
1x Gear
8x countersunk screw

*ships preassembled

11. Running Gear Rear Left KIT Black Series
UFO-99-0370

Includes:
1x Landing gear
1x Axis
1x Gear
8x countersunk screw

*ships preassembled
12. Running Gear Rear Right KIT
   UFO-99-0110
   Includes:
   1x Landing gear
   1x Axis
   1x Gear
   8x countersunk screw
   *ships preassembled

13. Running Gear Rear Right KIT Black Series
    UFO-99-0380
    Includes:
    1x Landing gear
    1x Axis
    1x Gear
    8x countersunk screw
    *ships preassembled

14. Force Redirection Front KIT
    UFO-99-0120
    Includes:
    1x force redirection front
    *ships preassembled

15. Force redirection rear KIT
    UFO-99-0130
    Includes:
    1x force redirection rear
    *ships preassembled
16. Sensorplate with Velcros UFO PRO
   UFO-99-0520
   Includes:
   1x Sensorplate with Velcros (Plastic)

17. Sensorplate with Velcros UFO PRO BLACK SERIES
   UFO-99-0530
   Includes:
   1x Sensorplate with Velcros (Carbon)

18. Ball Joint KIT
    UFO-99-0140
    Includes:
    1x Ball joint
    1x TNC Adapter
    4x screw with washer and nut

19. DRI GPS Antenna
    6005535
    Includes:
    1x DRI GPS Antenna
20. Overrunable GPS Antenna KIT
   UFO-99-0150
   Includes:
   1x GPS Antenna
   4x Screw with nuts & washer

21. DRI GPS Antenna Strain Relief
   UFO-1-8120
   Includes:
   1x DRI GPS Antenna strain relief
   1x TNC Adapter
   1x 3m TNC Cable

   *ships preassembled

22. Buffer Battery
    6005399
    Includes:
    1x Buffer Battery

23. Rocket
    6005542
    Includes:
    1x Rocket

24. Bullet for VUT
    6005541
    Includes:
    1x Bullet
25. Antenna for Bullet 6005538
   Includes:
   1x Antenna

26. Bullet for VUT KIT UFO-1-8410
   Includes:
   1x Bullet
   1x Antenna
   1x Suction Cup
   *ships preassembled

27. Electronic Box UFO-1-2070
   Includes:
   1x Electronic Box

28. Electronic Box II UFO-1-2100
   Includes:
   1x Electronic Box II

29. Rocket Antenna KIT UFO-1-8420
   Includes:
   1x Rocket Antenna
   4x Thread inserts (mounted)
   4x Handle
30. Tripod for Rocket  
6100094  
Includes:  
1x Tripod

31. Lead Battery  
6005631  
Includes:  
1x Lead Battery  
*fits Control Box / Pedestrian Box / Multifunction Box

32. DRI Front Ramp  
UFO-1-1010-0047  
Includes:  
1x Front Ramp  
1x Velcros for Front Ramp  
*ships preassembled

33. DRI Rear Ramp  
UFO-1-1010-0048  
Includes:  
1x Rear Ramp  
1x Velcros for Rear Ramp  
*ships preassembled

34. DRI Side Ramp Left  
UFO-1-1010-0049  
Includes:  
1x Side Ramp left  
1x Velcros for Side Ramp left  
*ships preassembled
35. DRI Side Ramp Right  
UFO-1-1010-0050  
Includes:  
1x Side Ramp right  
1x Velcros for Side Ramp right  
*ships preassembled

36. DRI Ramp KIT  
UFO-1-1010-0051  
Includes:  
1x Front Ramp KIT  
1x Rear Ramp KIT  
1x Side Ramp left KIT  
1x Side Ramp right KIT  
*ships preassembled

37. DRI Cover Plate KIT  
UFO-99-0490  
Includes:  
1x DRI Cover Plate (fits Eibl Motors)  
27x mounting screw

38. UFO Mini Front Ramp  
UFO-1-1030-0001  
Includes:  
1x UFO Mini Front Ramp
39. UFO Mini Side Ramp  
UFO-1-1030-0002  
Includes:  
1x UFO Mini Side Ramp

40. UFO Mini Ramp KIT  
UFO-1-1030-0003  
Includes:  
2x UFO Mini Front Ramp  
2x UFO Mini Side Ramp

41. UFO Mini Cover Plate  
UFO-4-0080-0001  
Includes:  
1x UFO Mini Cover Plate

42. Arrow Ramp KIT  
UFO-99-0290  
Includes:  
1x Arrow Ramp  
1x extra wear plate (with tape on)  
3x extra wear thorn  
*ships preassembled
43. Arrow Ramp Service KIT  
UFO-99-0300  
Includes:  
  3x wear thorn  
  1x wear plate (with tape on)

44. DRI VRU Ramp  
UFO-1-1050  
Includes:  
  1x VRU Ramp

45. Foldable plastic arm  
UFO-1-1050-0001  
Includes:  
  1x Foldable Plastic arm  
  6x Mounting screws for Surfboard

46. Surfboard  
UFO-1-1050-0002  
Includes:  
  1x Surfboard with magnets  
  1x U-formed magnetic dummy holder  
  6x Mounting screws to assemble with plastic arm

47. Pedestrian Trigger Box  
UFO-1-2050  
Includes:  
  1x Pedestrian Trigger Box
48. DRI Dummy
UFO-1-5010

Includes:
1x Complete DRI Dummy
## 49. DRI Dummy separate parts

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<td>Skin 1-2 (Hood)</td>
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<td>Skin 2-3 (Windshield)</td>
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<td>Skin 3-4 (Roof Front)</td>
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<td>Skin 4-5 (Roof Rear)</td>
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<td>Skin 5-6 (Rear)</td>
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<td>LongFwd</td>
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<td>LongRear</td>
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<td>Wheel, Front</td>
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<td>Wheel, Right Rear</td>
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<td>Wheel, Left Rear</td>
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<td>Wheel Well</td>
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<td>Center Support</td>
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<td>Side Mirror</td>
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<td>Mirror Brace</td>
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<td>Windshield</td>
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<td>GPS Antenna</td>
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<td>Plastic Skids</td>
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<td>RAM Skirt, Front</td>
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<td>RAM Skirt, Side</td>
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<td>RAM Skirt, Rear</td>
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## 50. Cable replacements

<table>
<thead>
<tr>
<th>Part</th>
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<tr>
<td>3m PoE Cable for VUT/DR Bullet</td>
<td>UFO-1-4180</td>
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<td>6m PoE Cable for CB</td>
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<td>RS-232 Cable (for VB Datatransfer)</td>
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<td>CAN Cable (for VB Datatransfer)</td>
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<td>15 pol. SubD-GPS correction Cable</td>
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<td>Emergency Stop Cable</td>
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<td>Novatel Cable 13.13</td>
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<td>Novatel Cable 13.14</td>
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<td>Energy Supply Cable</td>
<td>UFO-1-4070</td>
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<td>Cablewhip for UFO</td>
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<td>DRI GPS antenna cable KIT (includes 3m TNC Cable + TNC Adapter)</td>
<td>UFO-99-0390</td>
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<td>POE Lemo 1,12m UFO Cable</td>
<td>UFO-1-4170</td>
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<td>POE Lemo 1T 3m Cable</td>
<td>UFO-1-4360</td>
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<tr>
<td>POE Lemo 1T 6m Cable</td>
<td>UFO-1-4370</td>
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51. Motor Replacement UFO PRO
   UFO-99-0310
   **Includes:**
   1x Motor
   1x Cables
   4x Head cap screw with nut
   1x Secure washer for gear
   1x countersunk screw
   1x gear
   *Note: replacement by Humanetics Specialist recommended*

52. Motor Replacement UFO PRO Black Series
   UFO-99-0320
   **Includes:**
   1x Motor
   1x Cables
   4x Head cap screw with nut
   1x Secure washer for gear
   1x countersunk screw
   1x gear
   *Note: replacement by Humanetics Specialist recommended*

53. Drivetrain Replacement UFO PRO
   UFO-99-0330
   **Includes:**
   1x Motor replacement for UFO PRO
   1x Curtis
   1x Cables
   *Note: replacement by Humanetics Specialist recommended*
54. Drivetrain Replacement UFO PRO Black Series  
**UFO-99-0340**  
**Includes:**  
1x Motor replacement for UFO PRO Black Series  
1x Curtis  
1x Cables  
*Note: replacement by Humanetics Specialist recommended*

55. Battery Service Small  
**UFO-99-0350**  
**Includes:**  
1x BMS with flashing  
*Note: replacement only by Humanetics Specialist*

56. Battery Service Full  
**UFO-99-0360**  
**Includes:**  
1x BMS with flashing  
4x Battery Cells  
*Note: replacement only by Humanetics Specialist*
57. Power Unit Left
   UFO-99-0420
   Includes:
   1x Power Unit left
   12x M6 Screw
   12x M6 Washer

58. Power Unit Left Black Series
    UFO-99-0430
    Includes:
    1x Power Unit left Black Series
    12x M6 Screw
    12x M6 Washer

59. Power Unit Right
    UFO-99-0440
    Includes:
    1x Power Unit right
    12x M6 Screw
    12x M6 Washer

60. Power Unit Right Black Series
    UFO-99-0450
    Includes:
    1x Power Unit right Black Series
    12x M6 Screw
    12x M6 Washer
61. Running Gear Front Left  
UFO-99-0460  
Includes:  
1x Running gear front left  
8x M6 Screw  
8x M6 Washer  

62. Running Gear Front Right  
UFO-99-0470  
Includes:  
1x Running gear front right  
8x M6 Screw  
8x M6 Washer  

63. Running Gear Complete  
UFO-99-0480  
Includes:  
1x Running gear complete  
16x M6 Screw  
16x M6 Washer