

Off-Road Buggy

983 LEGO® parts · 67 steps · dminspired.com/lego

Adapted from the LDraw OMR model by Philippe Hurbain · CC BY 2.0

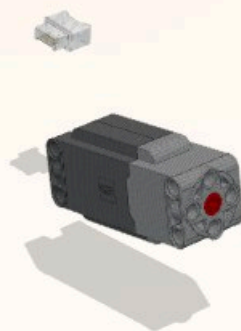
Source: <https://library.ldraw.org/library/omr/42124-1.mpd>

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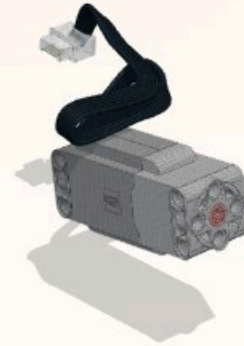
1

- 1× Electric Control+ L Motor Light Bluish Grey · 22169
- 1× Electric Power Functions 2.0 Plug with Black Cable Stub Trans Clear · 23816c01



2

■ 256× Electric Power Functions 2.0 6-Wire
Ribbon Cable Segment Rubber Black · u9218

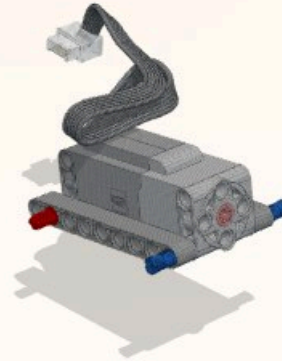


3

■ 2× Technic Axle Pin Long with Friction with 2L
Pin Red · 11214

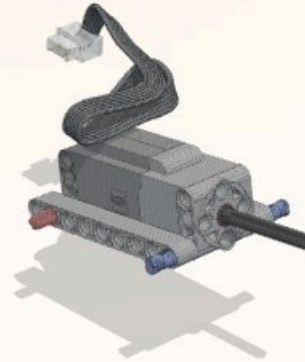
■ 2× Technic Pin Long with Friction Type 2 Blue
· 42924

■ 2× Technic Beam 9 Light Bluish Grey · 40490



4

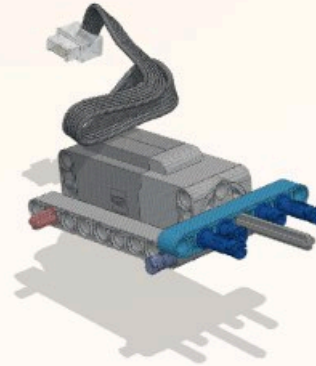
■ 1× Technic Axle 5.5 with Stop Type 2 Dark
Bluish Grey · 59426



5

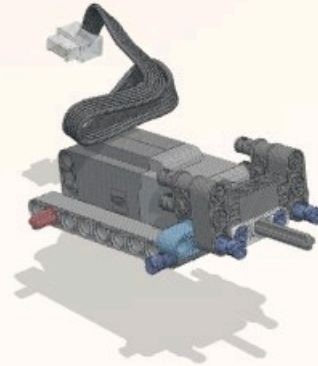
■ 1× Technic Beam 7 Dark Azure · 32524

■ 4× Technic Pin Long with Friction Type 2 Blue · 42924



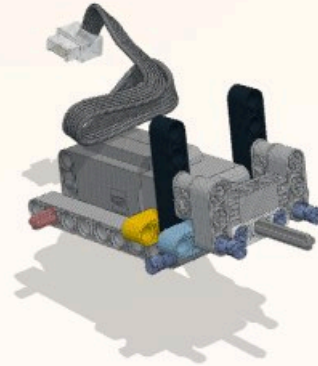
6

- 1× Technic Beam 5 × 3 H-shaped Light Bluish Grey · 14720
- 1× Technic Beam 3 White · 32523
- 2× Technic Pin 3L Double with Axlehole and Pins with Rectangular Holes Light Bluish Grey · 65098



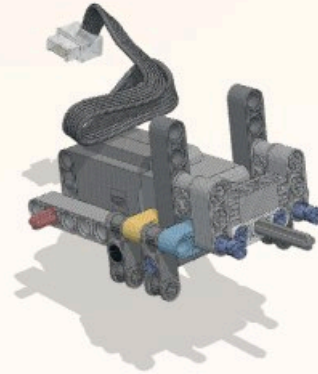
7

- 2× Technic Beam 5 Black · 32316
- 2× Technic Pin with Friction and Slots Black · 2780
- 2× Technic Beam 2 Yellow · 43857



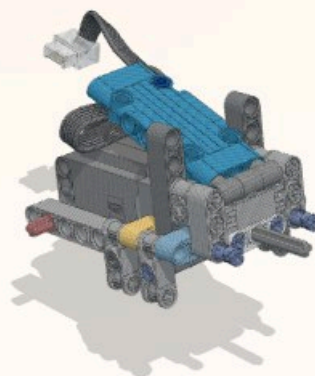
8

- 2× Technic Pin with Friction and Slots Black · 2780
- 4× Technic Cross Block 1 × 3 (Axle/Pin/Axle) Light Bluish Grey · 32184



9

- 3× Technic Pin with Friction with Perpendicular Pin Hole Type 1 Light Bluish Grey · 15100
- 1× Technic Pin Long with Friction Type 2 Blue · 42924
- 1× Technic Panel 3 × 7 Dark Azure · 71709
- 1× Technic Axle Pin with Friction Blue · 43093
- 1× Technic Cable Clip Red · 49283



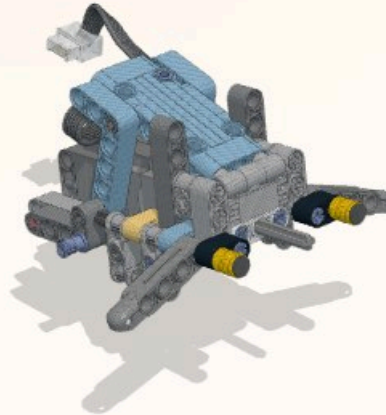
10

- 2× Technic Beam 2 × 4 Liftarm Bent 90 Black · 32140
- 2× Technic Pin Long with Friction Type 2 Blue · 42924
- 4× Technic Pin with Friction and Slots Black · 2780
- 2× Technic Beam 3 × 5 Bent 90 Dark Azure · 32526



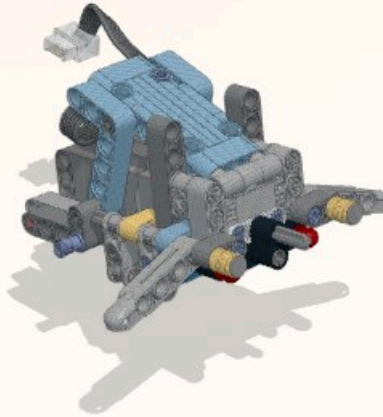
11

- 2× Technic Beam 2 Liftarm Black · 60483
- 2× Technic Axle 8 with Stop Dark Bluish Grey · 55013
- 4× Technic Bush 1/2 Smooth with Axle Hole Semi-Reduced Yellow · 32123b
- 2× Technic Suspension Arm 1 × 5 Type 2 Light Bluish Grey · 31794



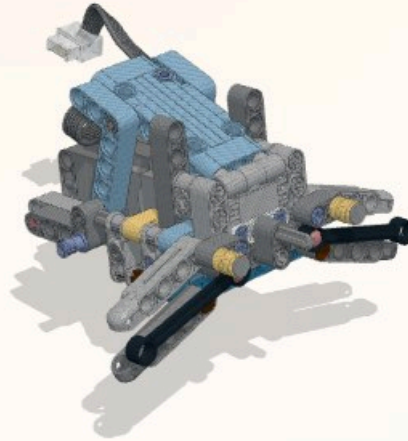
12

- 1× Technic Beam 2 Liftarm Black · 60483
- 1× Technic Pin Light Bluish Grey · 3673
- 1× Technic Beam 5 Black · 32316
- 2× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Beam 7 Dark Azure · 32524
- 2× Technic Pin Towball with Friction Red · 6628



13

- 2× Technic Steering Link 6L Type 1 Black · 2739a
- 2× Technic Axle 5 with Stop Reddish Brown · 15462
- 2× Technic Suspension Arm 1 × 5 Type 2 Light Bluish Grey · 31794
- 1× Technic Beam 7 Dark Azure · 32524



14

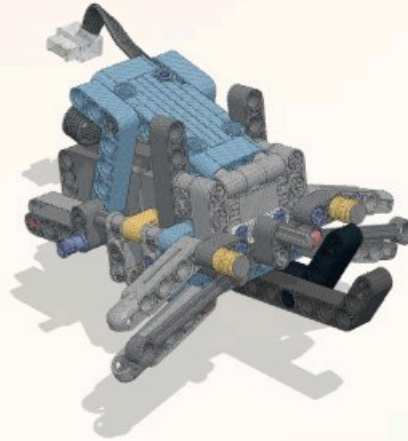
■ 1× Technic Beam 3 × 7 Liftarm Bent 53.13

Dark Bluish Grey · 32271

■ 1× Technic Axle Pin Long with Friction with 2L
Pin Red · 11214

■ 1× Technic Pin with Friction and Slots Black ·
2780

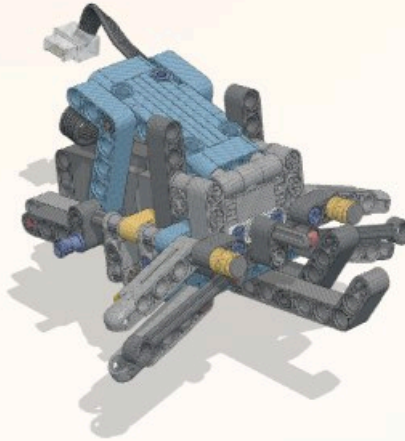
■ 1× Technic Beam 4 × 6 Liftarm Bent 53.13
Black · 6629



15

■ 2× Technic Axle 3 Yellow · 4519

■ 1× Technic Axle Joiner 3L Light Bluish Grey · 26287



16

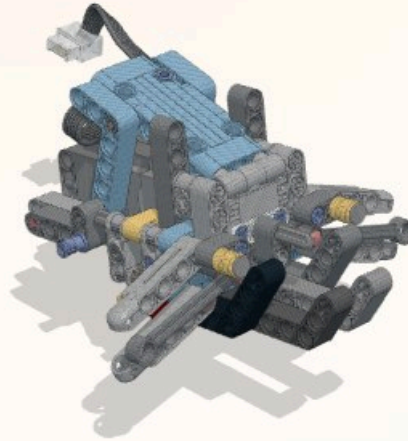
■ 1× Technic Beam 3 × 7 Liftarm Bent 53.13

Dark Bluish Grey · 32271

■ 1× Technic Axle Pin Long with Friction with 2L
Pin Red · 11214

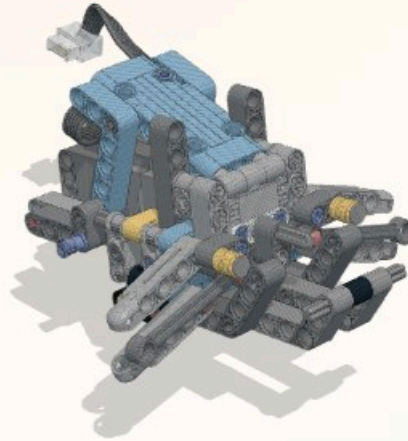
■ 1× Technic Pin with Friction and Slots Black ·
2780

■ 1× Technic Beam 4 × 6 Liftarm Bent 53.13
Black · 6629



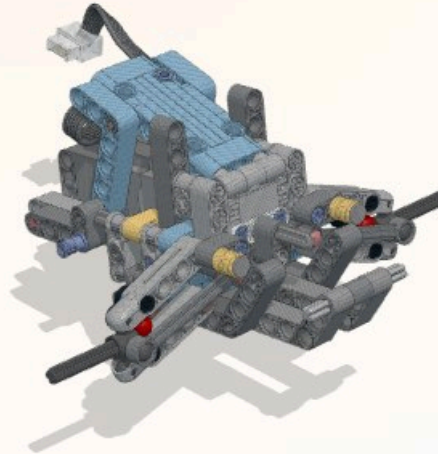
17

- 2× Technic Cross Block 3 × 2 (Axle/Triple Pin) Black · 63869
- 1× Technic Axle 5 Light Bluish Grey · 32073
- 1× Technic Beam 1 Black · 18654



18

- 2× Technic Steering Arm with 3 Ball Joints with 1L Arm Side Connection Dark Bluish Grey · 15460
- 2× Technic Axle 4 with Stop Dark Bluish Grey · 87083
- 2× Technic Connector 3 × 1 × 2 with Peghole and Two Pins (Inline Slits) Black · 15461
- 2× Technic Pin Towball with Friction Red · 6628



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- 2× Technic Axle Pin Long with Friction with 2L Axle Black · 18651
- 2× Technic Beam 2 Liftarm Black · 60483
- 1× Technic Pin Long with Pin Hole Type 2 Black · 44874



20

- 2× Technic Pin Long with Stop Bush Light Bluish Grey · 32054
- 2× Technic Pin with Friction and Slots Black · 2780
- 2× Technic Shock Absorber 6.5L Extra Stiff (Complete) Yellow · 76537



21

- 2× Technic Angle Connector #3 (157.5 degree) Black · 32016
- 2× Technic Pin 3/4 Tan · 32002
- 1× Technic Beam 7 × 0.5 Black · 32065



22

■ 2× Technic Pin with Friction and Slots Black · 2780

■ 2× Technic Beam 2 Yellow · 43857

■ 2× Technic Pin Long with Stop Bush Light Bluish Grey · 32054

■ 1× Technic Axle 5 Light Bluish Grey · 32073

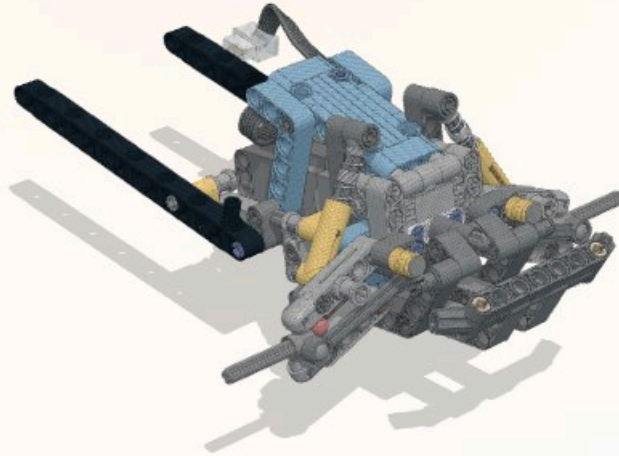


23

■ 2× Technic Beam 15 with Alternating Holes
Black · 71710

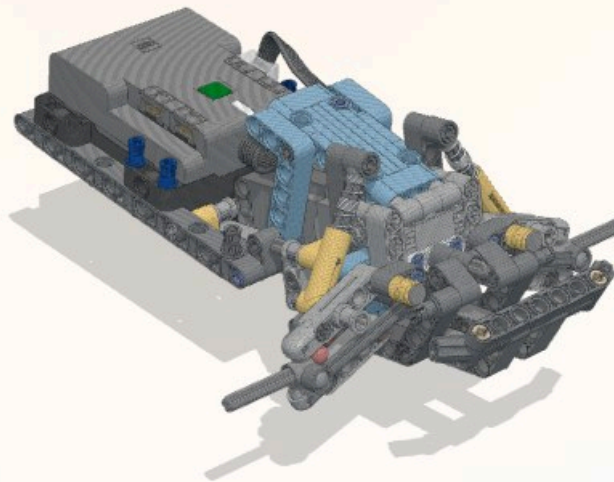
Black · 71710

■ 2× Technic Pin with Friction and Slots Black ·
2780



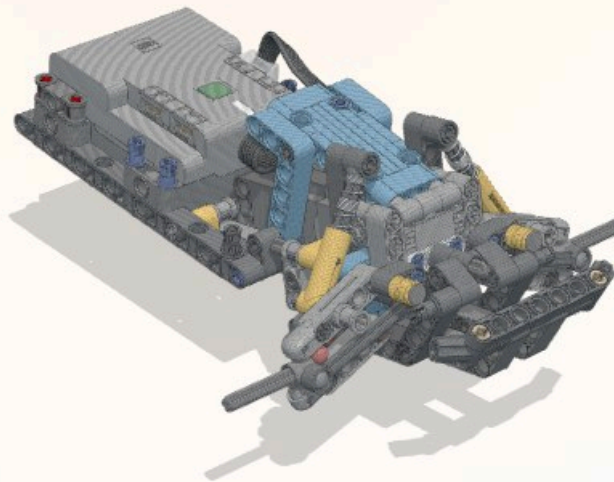
24

- 4× Technic Pin Long with Friction Type 2 Blue · 42924
- 1× Electric Control+ Hub Light Bluish Grey · 22127



25

- 4× Technic Axle Pin Long with Friction with 2L
Pin Red · 11214
- 2× Technic Cross Block 1 × 3 (Axle/Pin/Axle)
Light Bluish Grey · 32184



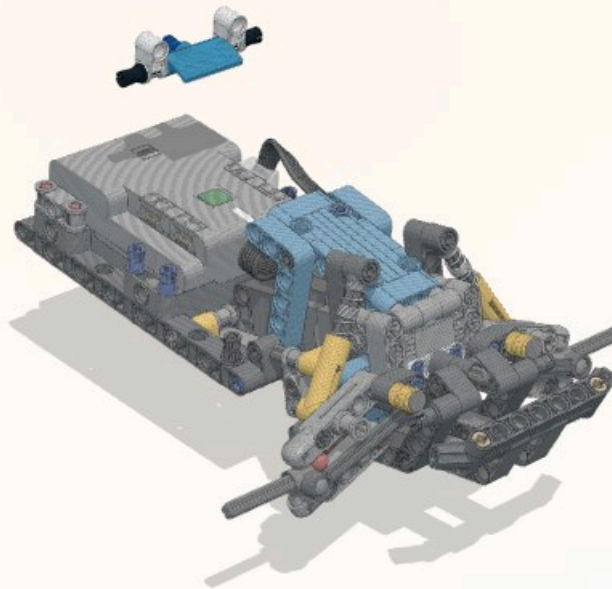
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■ 1× Technic Panel Curved 3 × 2 × 1 Dark Azure
· 71682

■ 1× Technic Axle Pin with Friction Blue · 43093

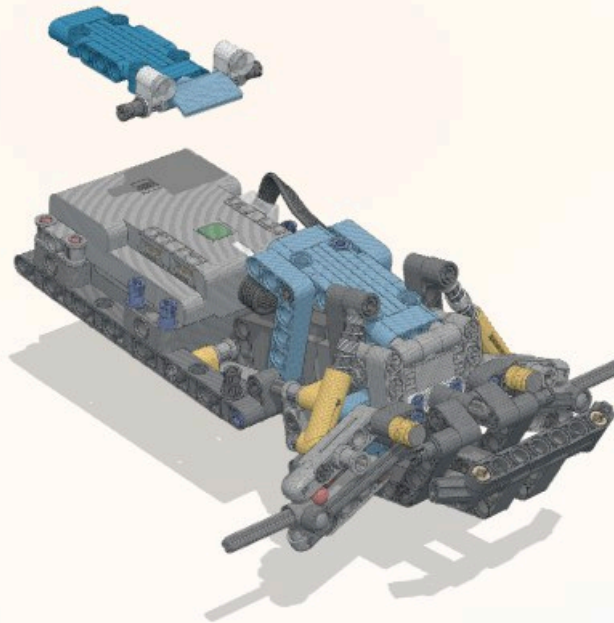
■ 2× Technic Axle Pin Long with Friction with 2L
Axle Black · 18651

□ 2× Technic Cross Block 1 × 2 (Axle/Pin) White
· 6536



27

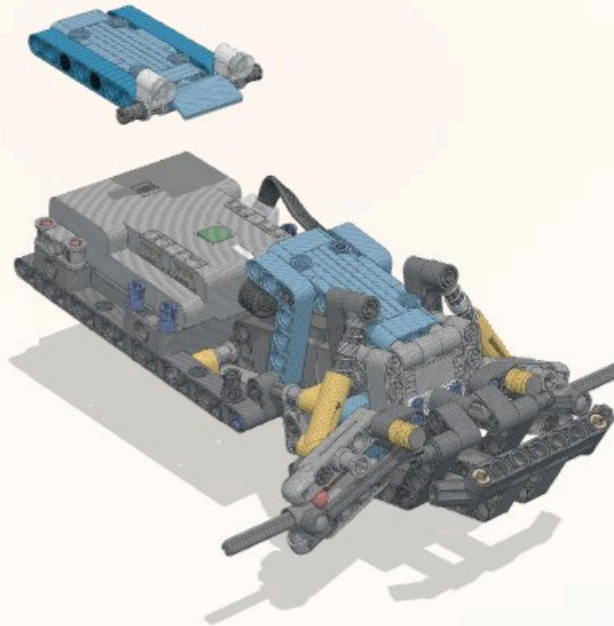
- 2× Technic Pin 1/2 Light Bluish Grey · 4274
- 2× Tile 1 × 1 Round with Groove Trans Clear · 98138
- 1× Technic Panel 3 × 7 Dark Azure · 71709



28

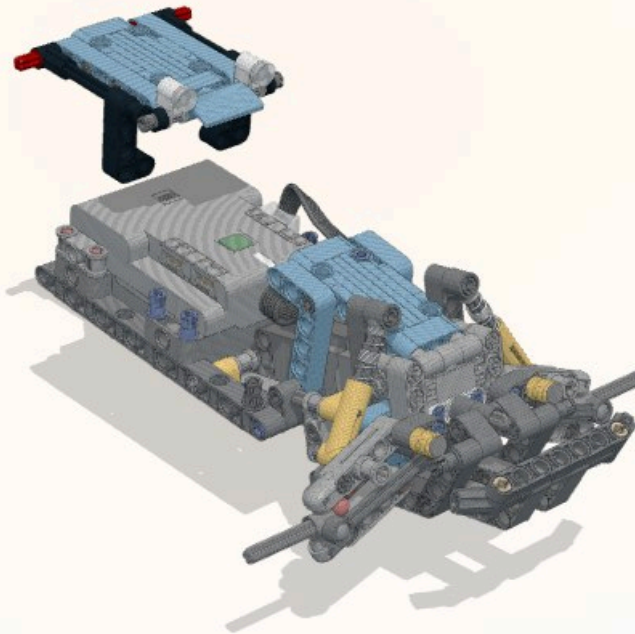
■ 4× Technic Pin with Friction and Slots Black · 2780

■ 2× Technic Beam 7 Dark Azure · 32524



29

- 2× Technic Axle Pin Long with Friction with 2L Pin Red · 11214
- 2× Technic Angle Connector #1 Black · 32013
- 2× Technic Axle 6 Black · 3706
- 2× Technic Connector Toggle Joint Smooth Black · 32126
- 2× Technic Beam 2 × 4 Liftarm Bent 90 Black · 32140

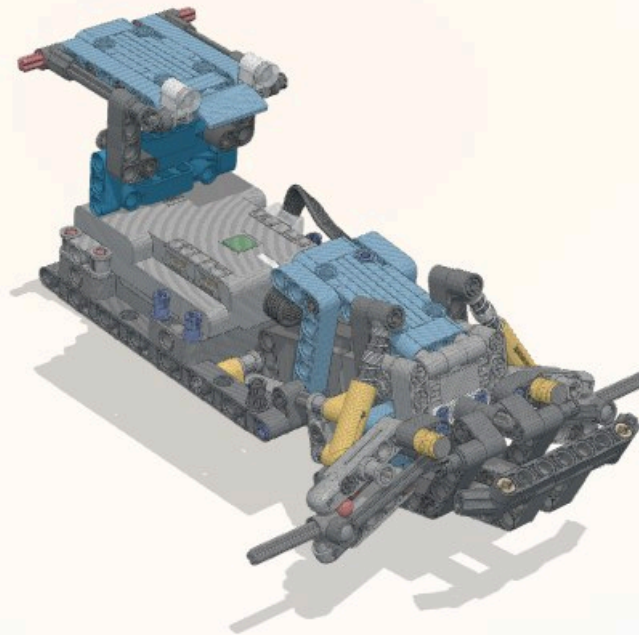


30

■ 2× Technic Pin Long with Stop Bush Light

Bluish Grey · 32054

■ 1× Technic Panel 3 × 7 Dark Azure · 71709



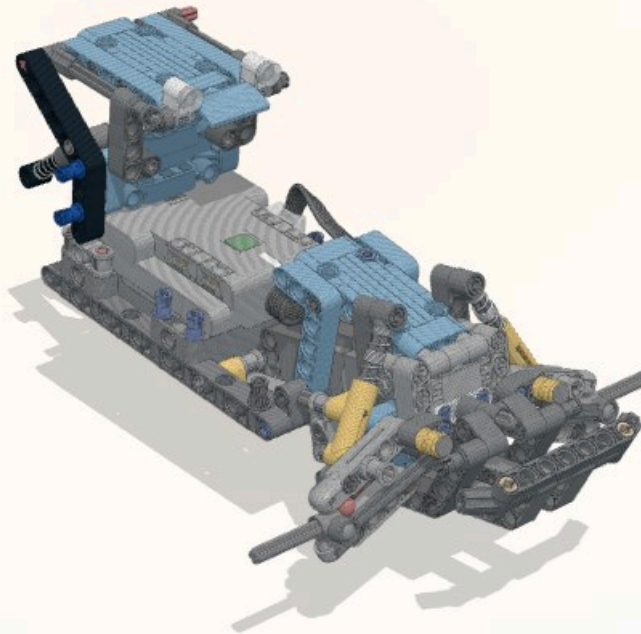
31

■ 2× Technic Pin Long with Friction Type 2 Blue
· 42924

■ 1× Technic Beam 4 × 6 Liftarm Bent 53.13
Black · 6629

■ 1× Technic Pin Light Bluish Grey · 3673

■ 1× Technic Shock Absorber 6.5L Soft
(Complete) Light Bluish Grey · 41838

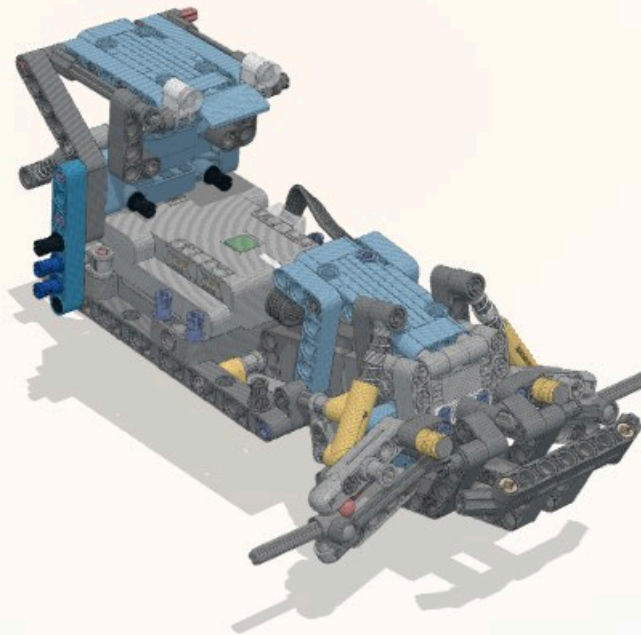


32

■ 1× Technic Beam 7 Dark Azure · 32524

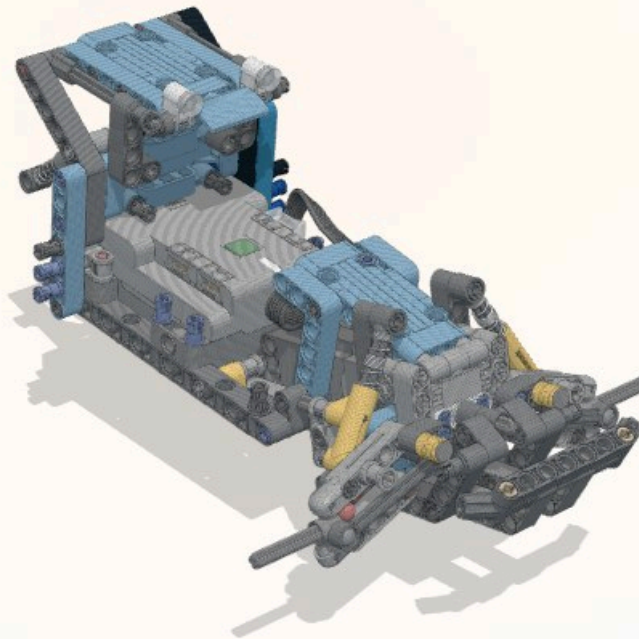
■ 4× Technic Pin with Friction and Slots Black · 2780

■ 2× Technic Pin Long with Friction Type 2 Blue · 42924



33

- 4× Technic Pin Long with Friction Type 2 Blue · 42924
- 1× Technic Beam 4 × 6 Liftarm Bent 53.13 Black · 6629
- 1× Technic Beam 7 Dark Azure · 32524
- 2× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Pin Light Bluish Grey · 3673
- 1× Technic Shock Absorber 6.5L Soft (Complete) Light Bluish Grey · 41838



34

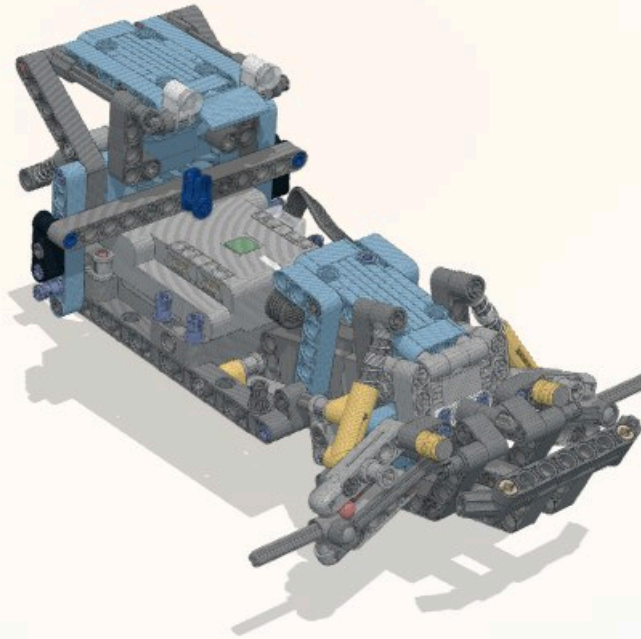
■ 2× Technic Cross Block 1 × 3 (Axle/Pin/Pin)

Black · 42003

■ 3× Technic Axle Pin with Friction Blue · 43093

■ 1× Technic Beam 13 Light Bluish Grey · 41239

■ 1× Technic Cable Clip Blue · 49283



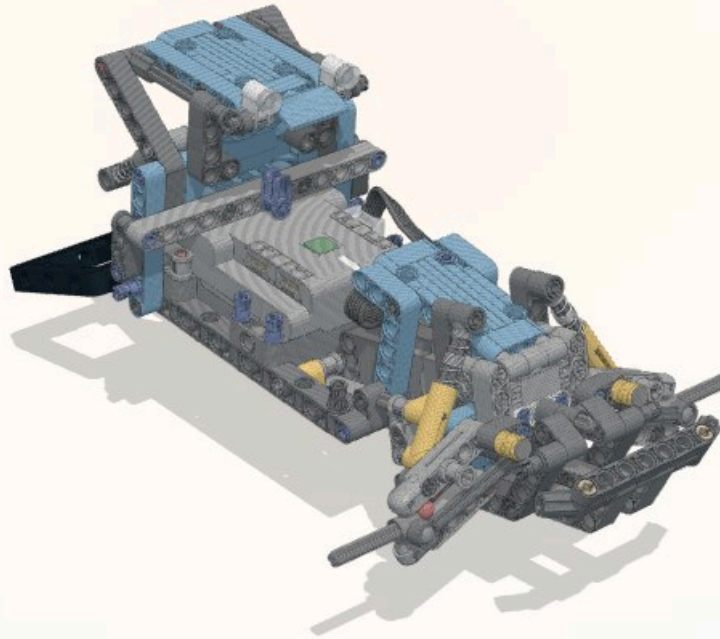
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■ 1× Technic Beam 11 × 7 with Open Center 9 × 5 Black · 39794

■ 2× Technic Pin Long with Stop Bush Light Bluish Grey · 32054

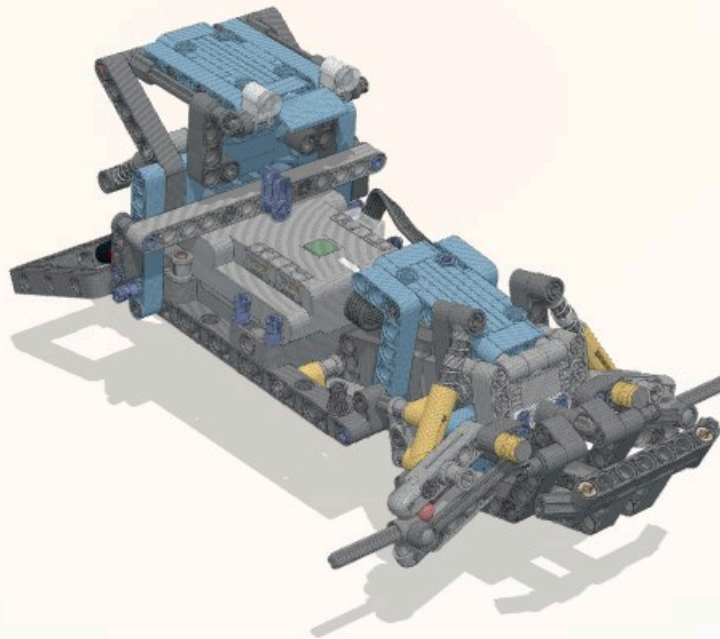
■ 1× Technic Pin with Friction and Slots Black · 2780

■ 1× Technic Pin Joiner Round with Slot Blue · 62462



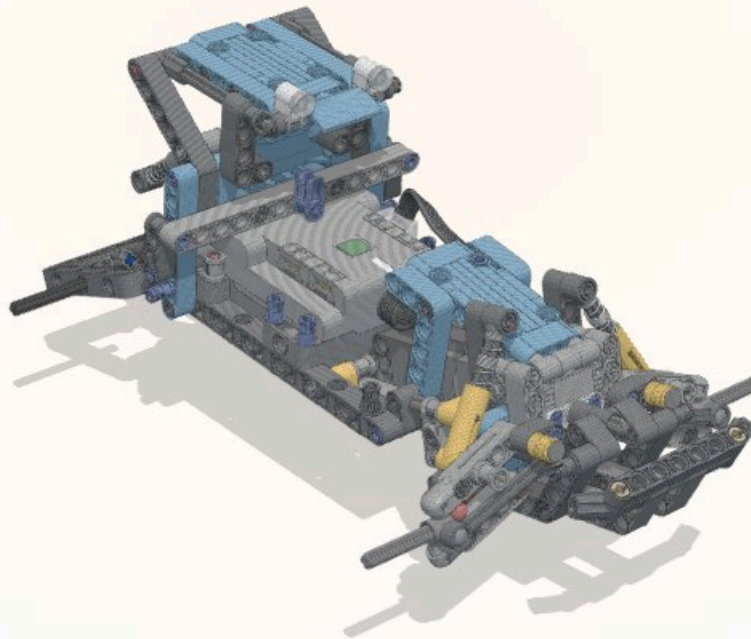
36

- 1× Technic Pin with Friction and Slots Black · 2780
- 2× Technic Beam 2 × 4 Liftarm Bent 90 Black · 32140
- 2× Technic Axle 2 Notched Red · 32062
- 1× Technic Angle Connector #2 (180 degree) Red · 32034



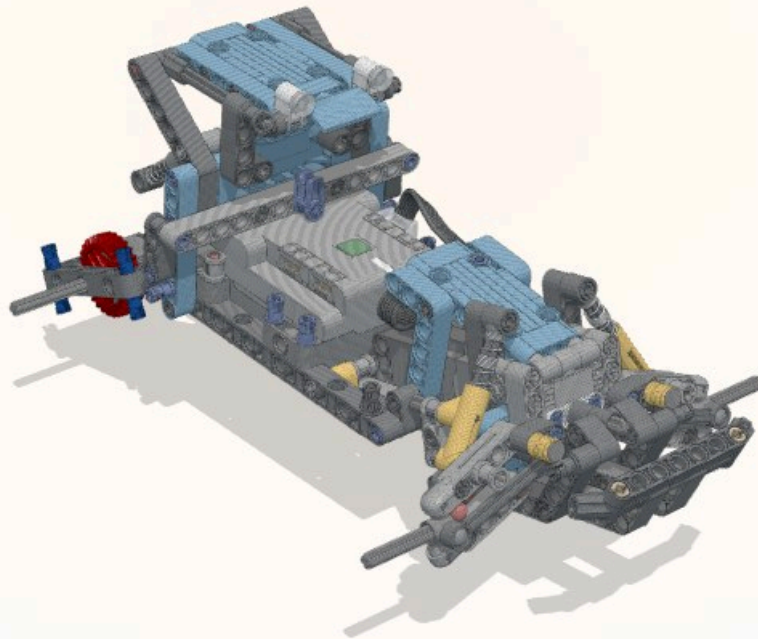
37

- 2× Technic Axle Pin with Friction Blue · 43093
- 2× Technic Beam 3 × 0.5 Liftarm with Boss and Pin with Open Central Axle Hole Light Bluish Grey · 33299b
- 1× Technic Axle 5.5 with Stop Type 2 Dark Bluish Grey · 59426



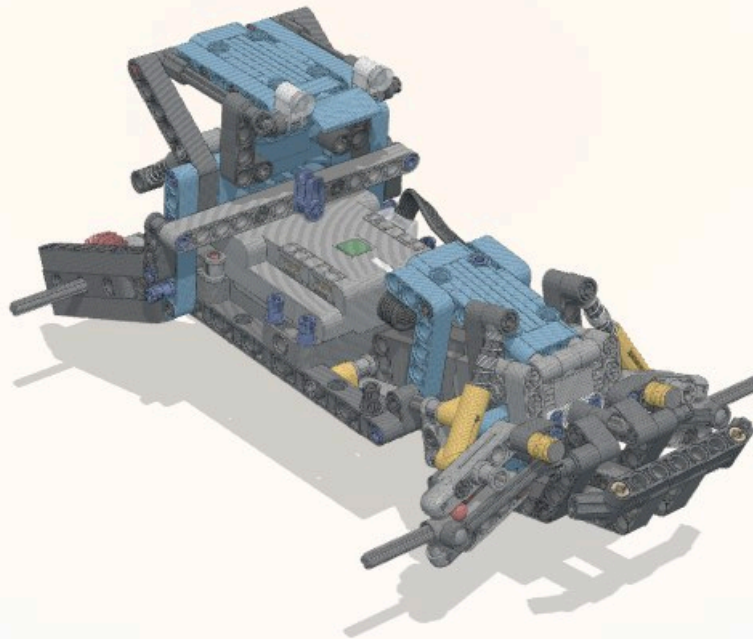
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- 1× Technic Differential with Red 28 Tooth Drive Gear and Tan Satellites Light Bluish Grey · 65414c01
- 4× Technic Pin Long with Friction Type 2 Blue · 42924



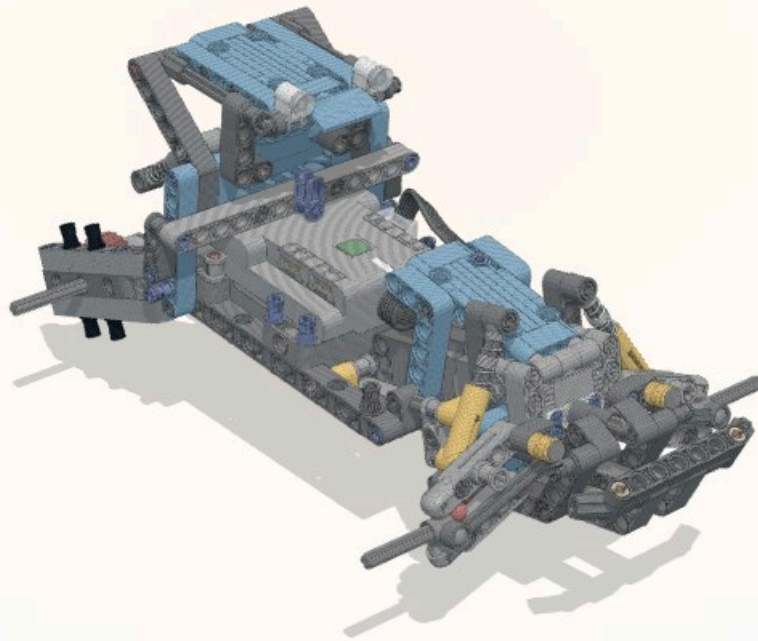
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- 4× Technic Beam 9 Light Bluish Grey · 40490
- 2× Technic Pin 3L Double with Axlehole and Pins with Rectangular Holes Light Bluish Grey · 65098



40

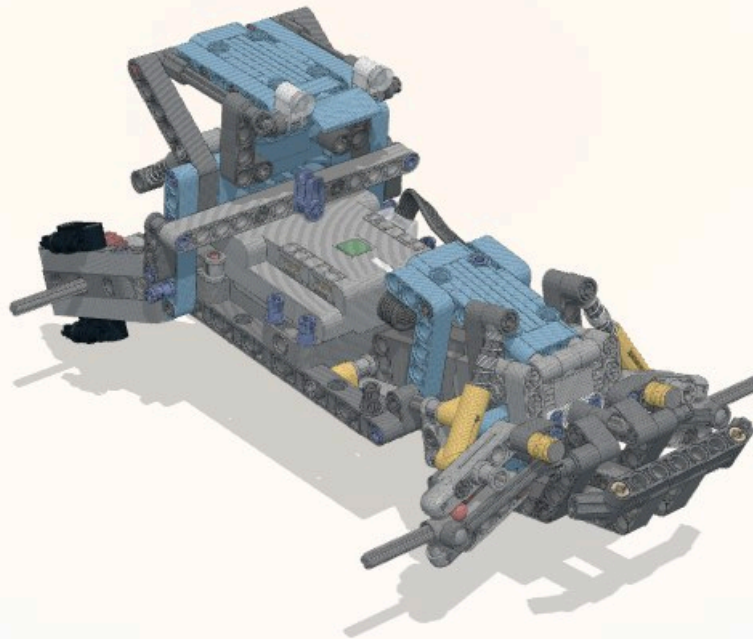
■ 8× Technic Pin with Friction and Slots Black ·
2780



41

■ 4× Technic Cross Block 3 × 2 (Axle/Triple Pin) Black · 63869

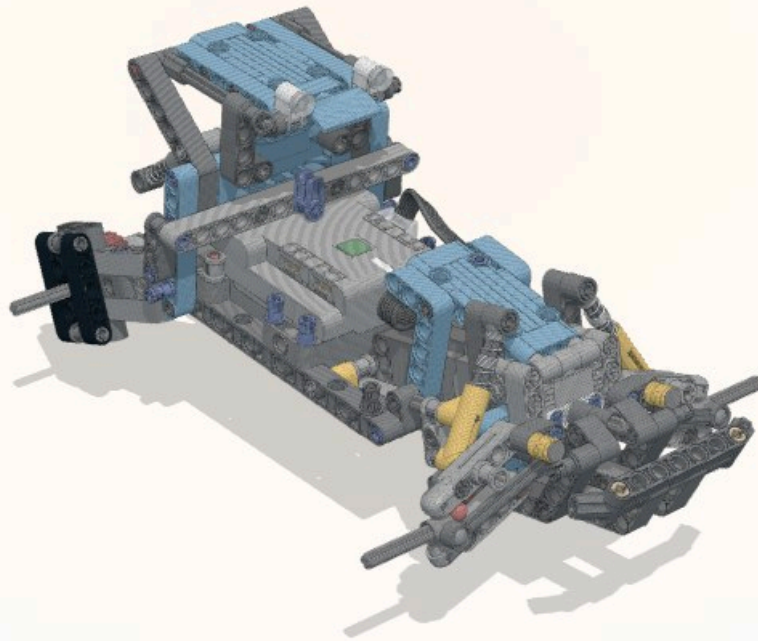
■ 4× Technic Axle Pin Long with Friction with 2L Axle Black · 18651



42

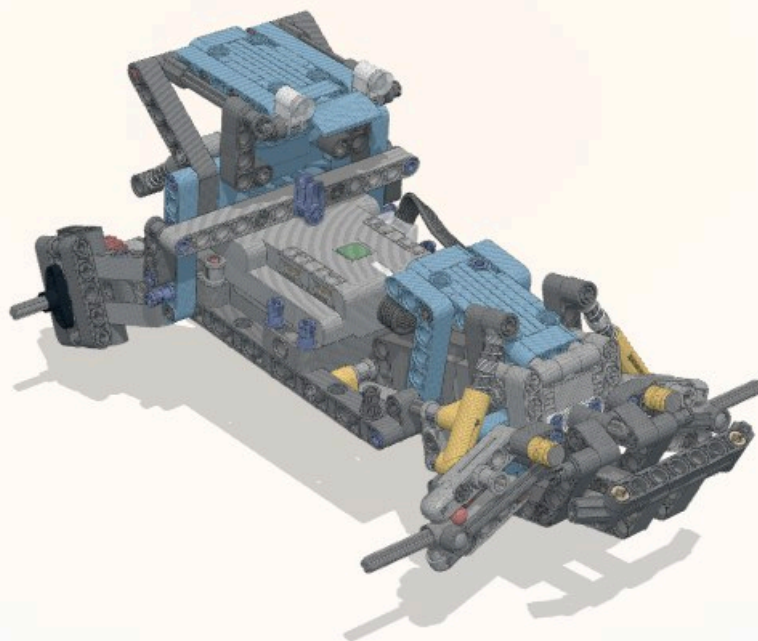
■ 4× Technic Beam 5 Black · 32316

■ 4× Technic Pin Long with Pin Hole Type 2
Black · 44874



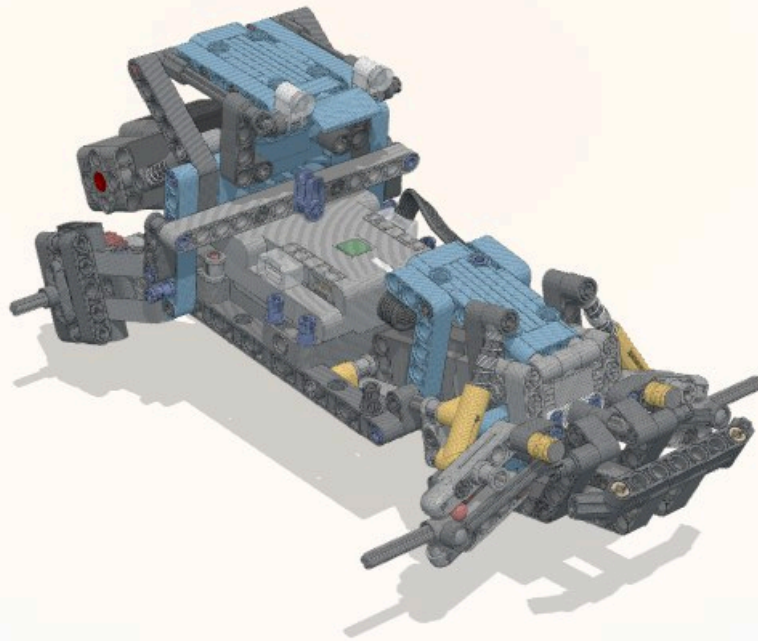
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■ 2× Technic Connector 3 × 1 × 2 with Peghole
and Two Pins (Inline Slits) Black · 15461



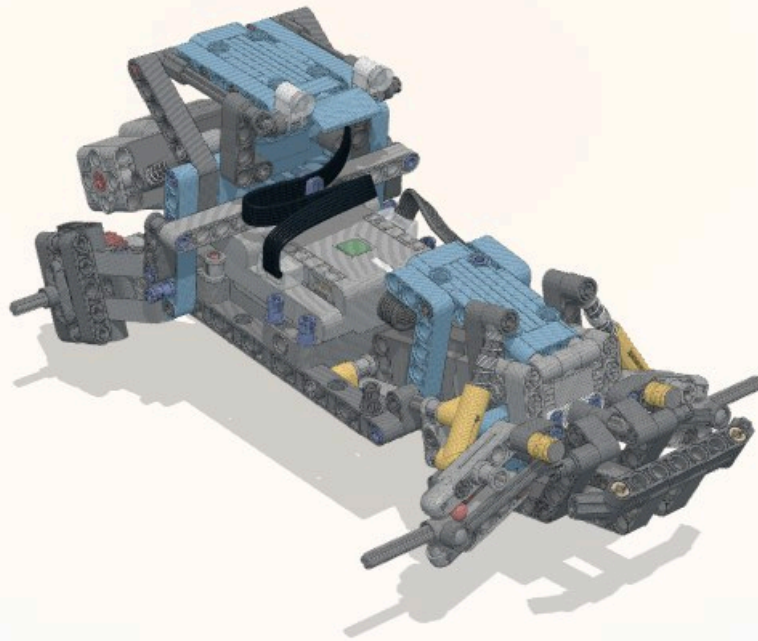
44

- 1× Electric Control+ L Motor Light Bluish Grey · 22169
- 1× Electric Power Functions 2.0 Plug with White Cable Stub Trans Clear · 23816c02



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■ 358× Electric Power Functions 2.0 6-Wire
Ribbon Cable Segment Rubber Black · u9218



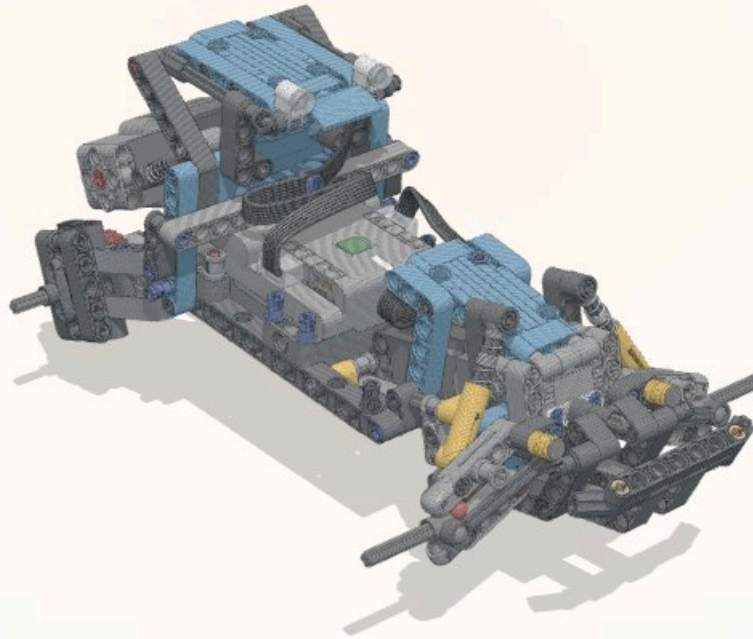
46

■ 2× Technic Axle Pin Long with Friction with 2L
Pin Red · 11214

■ 1× Technic Beam 5 Black · 32316

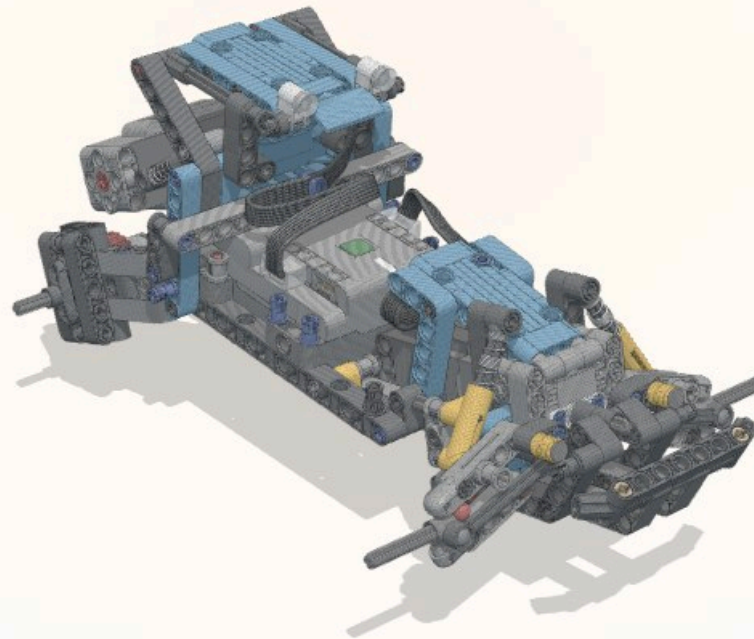
■ 1× Technic Cross Block 1 × 3 (Axle/Pin/Axle)
Light Bluish Grey · 32184

■ 1× Technic Pin with Friction and Slots Black ·
2780



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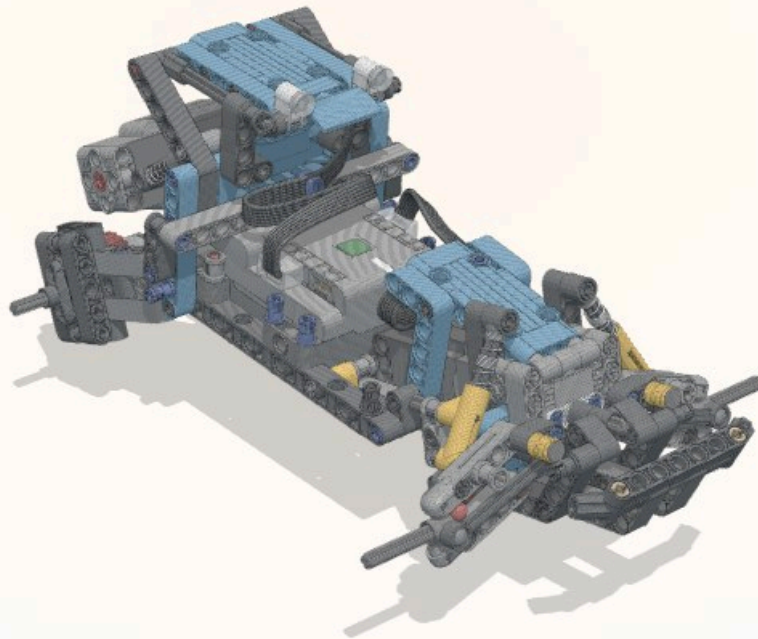
- 1× Technic Connector 3 × 1 × 2 with Peghole and Two Pins (Inline Slits) Black · 15461
- 2× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Axle 5 Light Bluish Grey · 32073
- 2× Technic Beam 2 Liftarm Black · 60483
- 1× Technic Cross Block 1 × 2 (Axle/Pin) White · 6536



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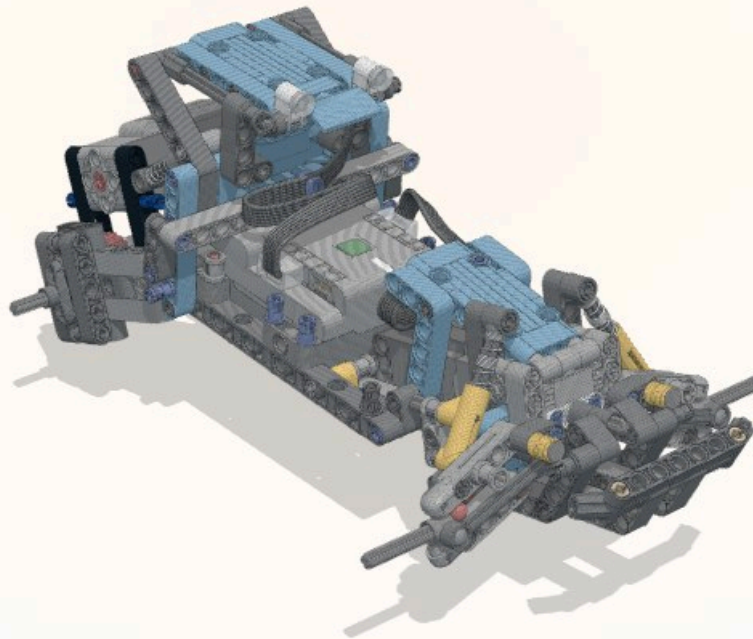
■ 2× Technic Pin with Friction and Slots Black · 2780

■ 1× Technic Beam 7 Dark Azure · 32524



49

- 3× Technic Pin with Friction and Slots Black · 2780
- 2× Technic Pin Long with Friction Type 2 Blue · 42924
- 2× Technic Beam 5 Black · 32316

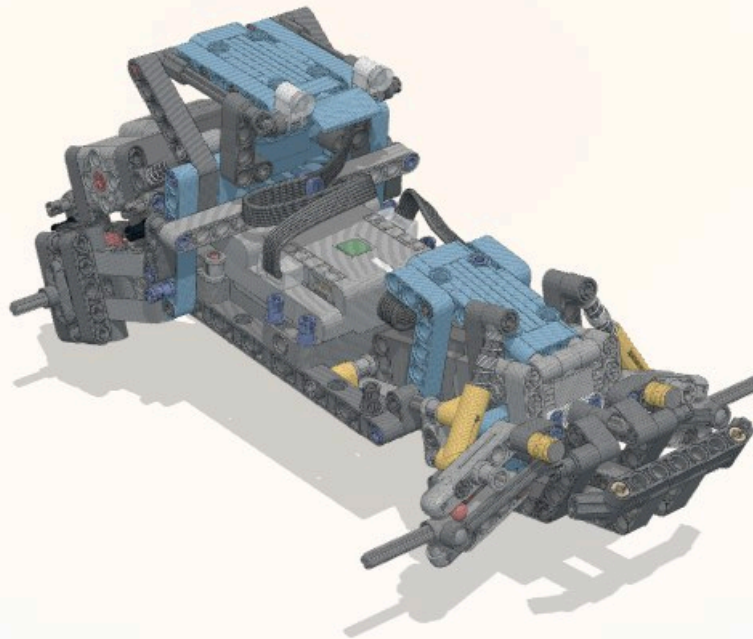


50

■ 2× Technic Pin Connector Perpendicular 3 ×
3 Bent 90 with 4 Pins, Slots Along Beam Light
Bluish Grey · 55615

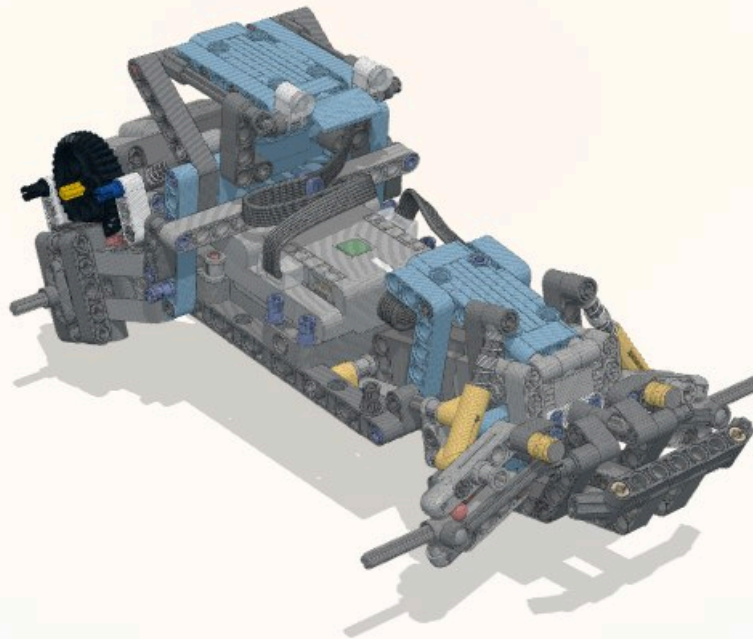
■ 2× Technic Pin with Friction and Slots Black ·
2780

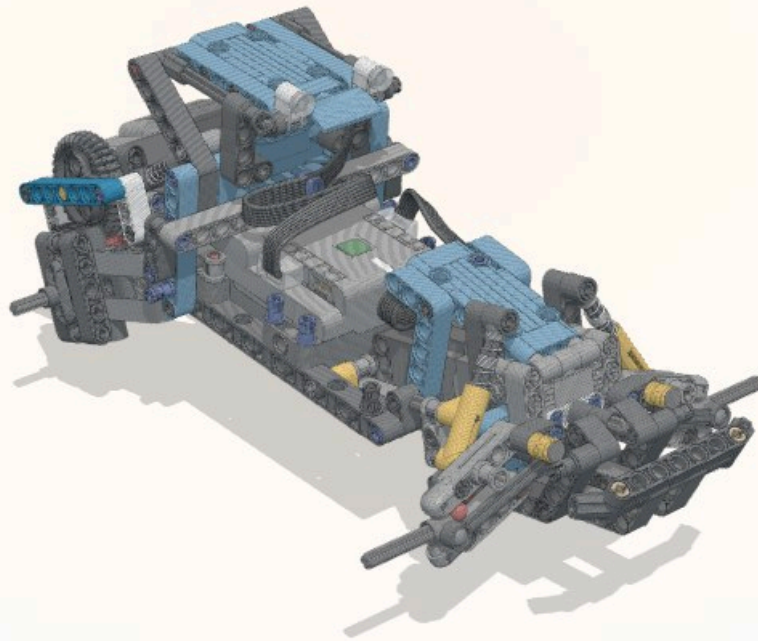
■ 1× Technic Pin Long with Friction Type 2 Blue
· 42924



51

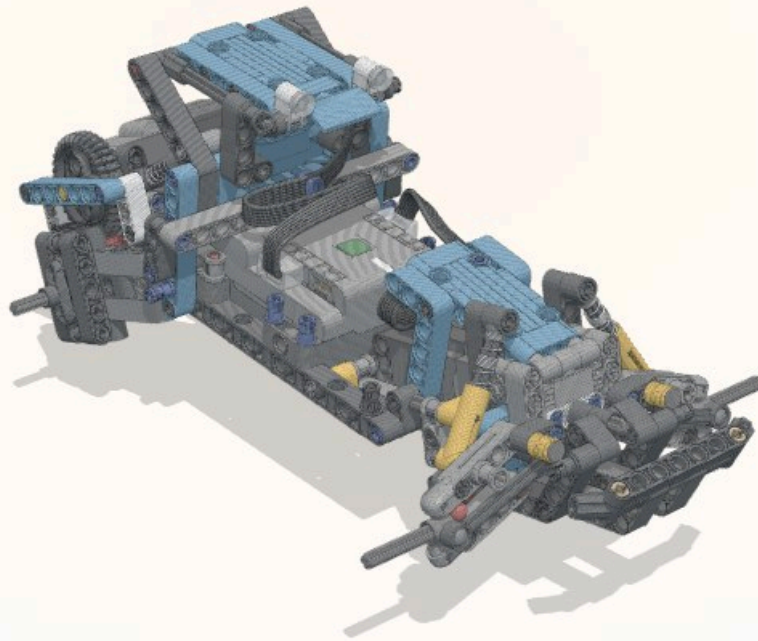
- 1× Technic Axle 3 Yellow · 4519
- 1× Technic Gear 36 Tooth Double Bevel Black · 32498
- 2× Technic Beam 3 White · 32523
- 1× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Pin Long with Friction Type 2 Blue · 42924





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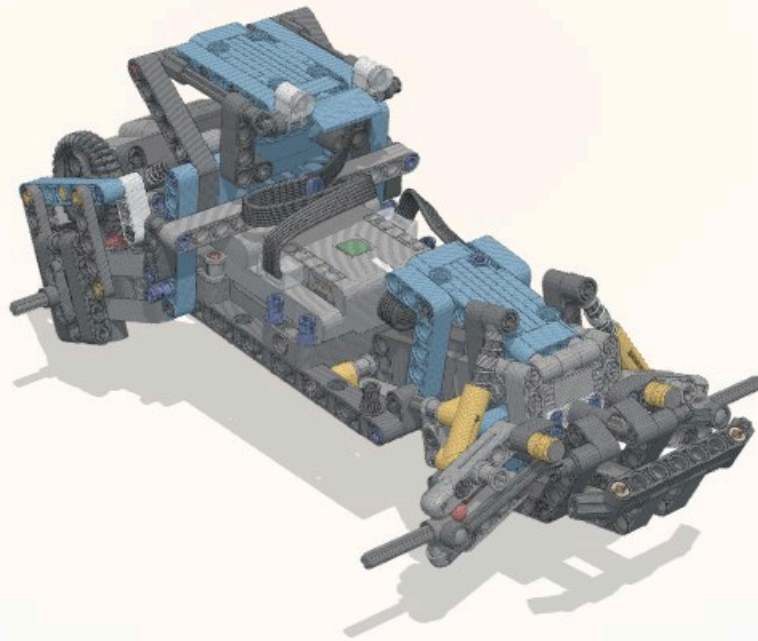
■ 1× Technic Pin Long with Stop Bush Light
Bluish Grey · 32054



54

4× Technic Pin 3/4 Tan · 32002

2× Technic Beam 5 × 0.5 Light Bluish Grey · 32017



55

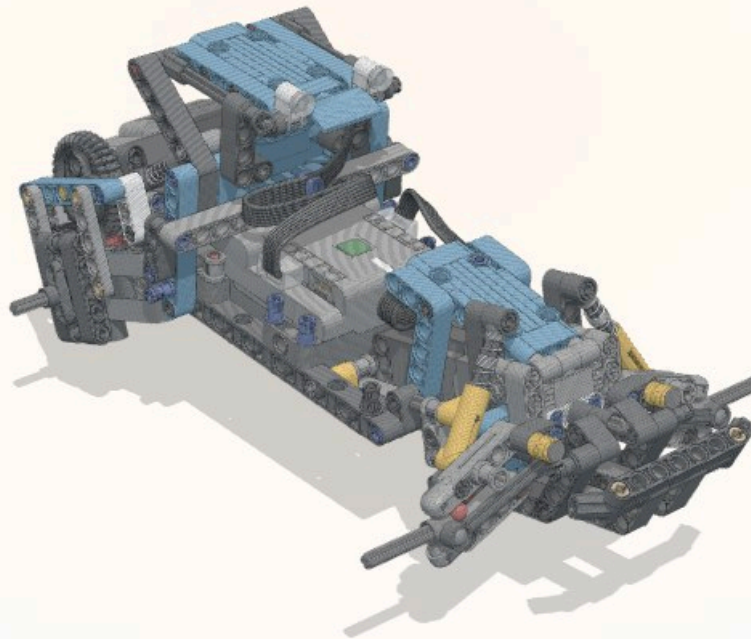
■ 1× Technic Axle Pin Long with Friction with 2L
Pin Red · 11214

■ 1× Technic Beam 2 × 4 Liftarm Bent 90 Black
· 32140

■ 1× Technic Axle 12 Red · 3708

■ 1× Technic Pin Joiner Round with Slot Blue ·
62462

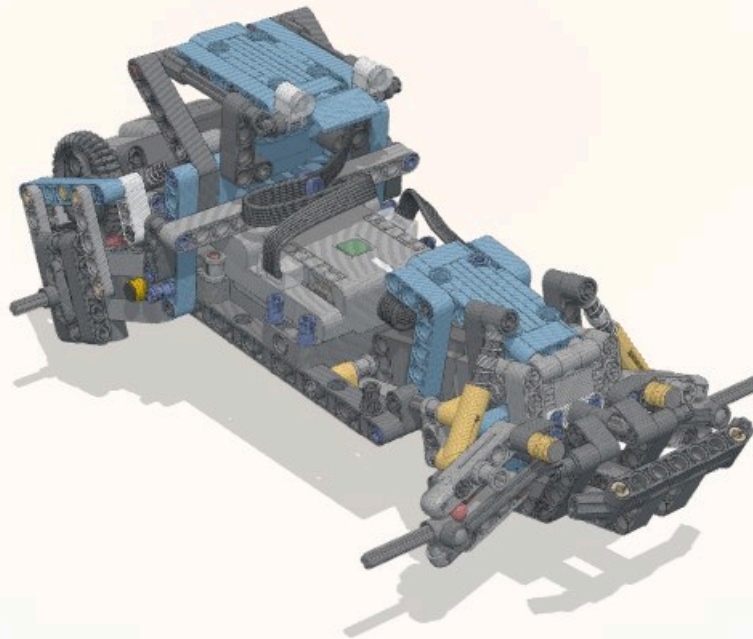
■ 2× Technic Bush with Two Flanges Red · 3713



56

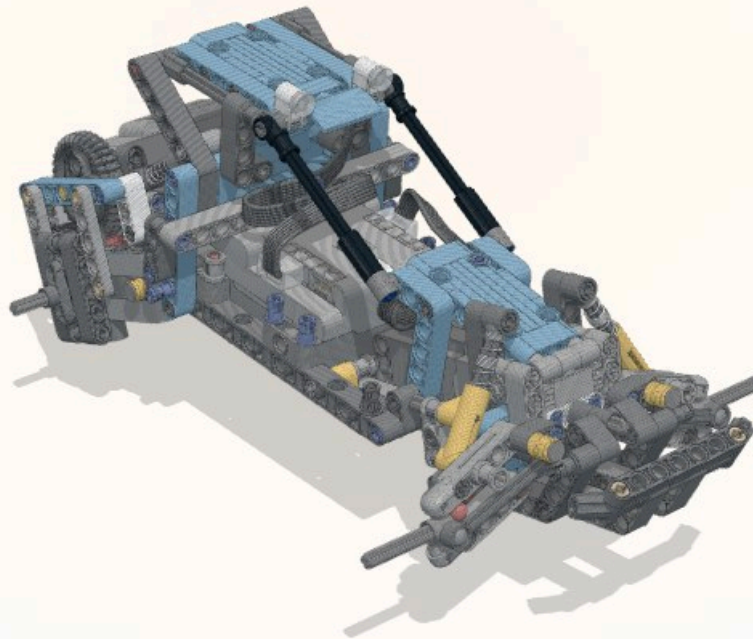
■ 2× Technic Axle 4 with Stop Dark Bluish Grey · 87083

■ 2× Technic Bush 1/2 Smooth with Axle Hole
Semi-Reduced Yellow · 32123b



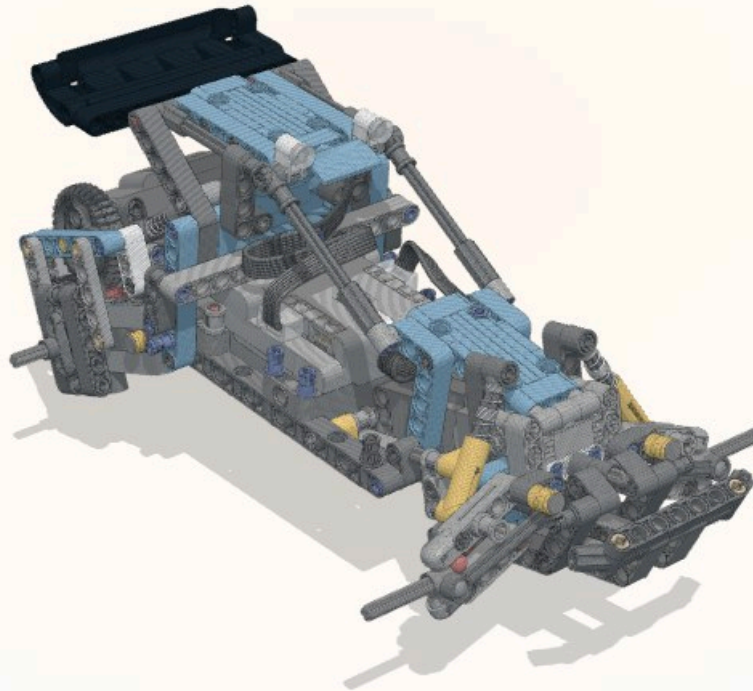
57

- 2× Technic Pin with Friction with Perpendicular Pin Hole Type 1 Light Bluish Grey · 15100
- 2× Technic Axle Pin with Friction Blue · 43093
- 2× Technic Axle Joiner Inline Smooth Black · 59443
- 2× Technic Axle 6 Black · 3706
- 2× Technic Connector Toggle Joint Smooth Black · 32126



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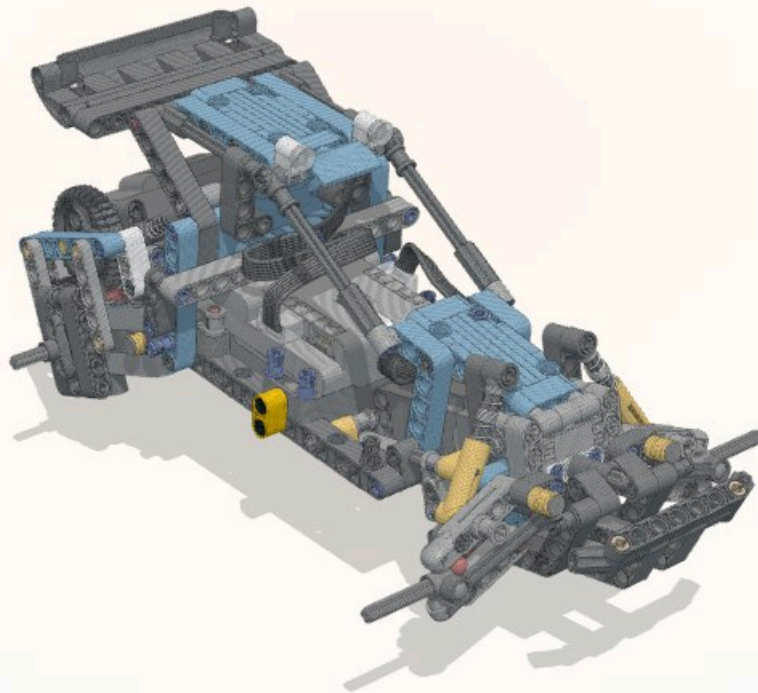
- 4× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Beam 11 Black · 32525
- 1× Technic Panel Smooth 11 × 2 × 3 Black · 62531



59

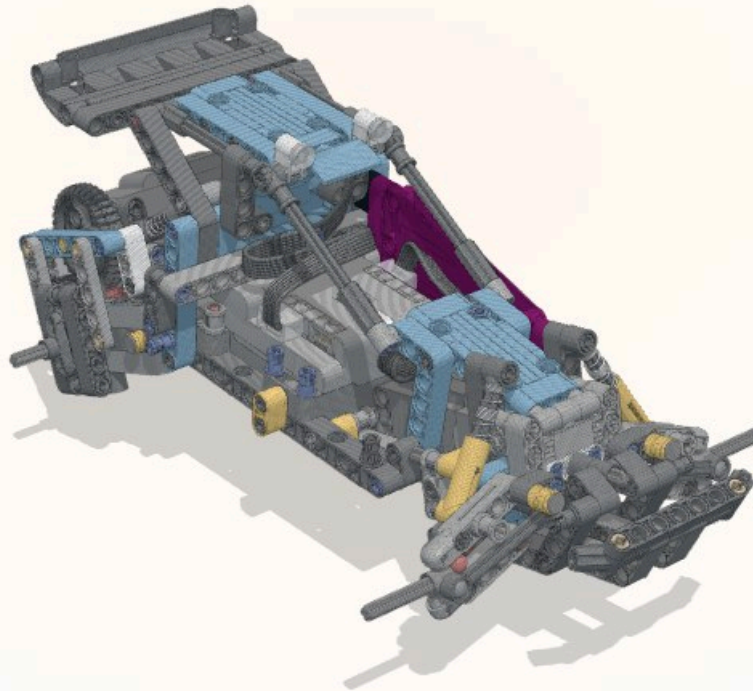
■ 4× Technic Pin with Friction and Slots Black · 2780

■ 2× Technic Beam 2 Yellow · 43857



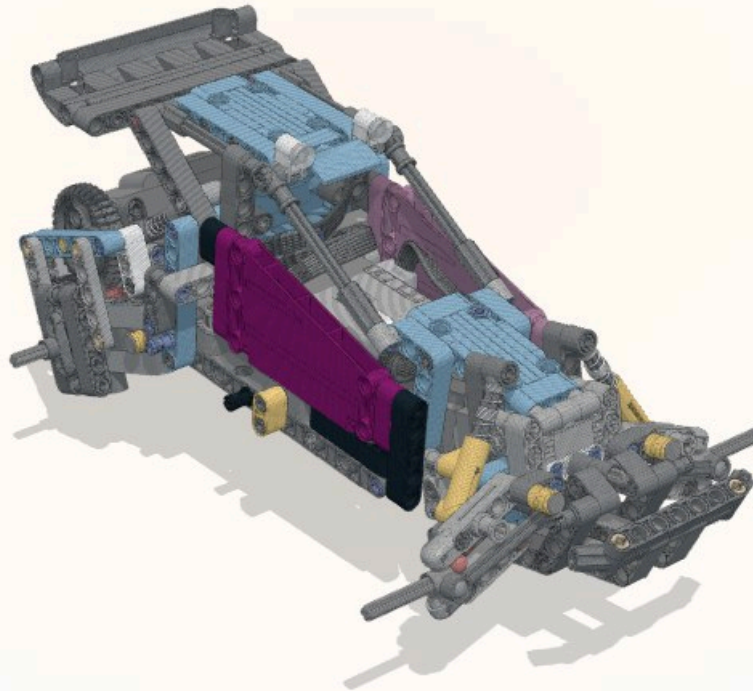
60

- 2× Technic Beam 5 Black · 32316
- 5× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Panel 5 × 11 Trapezium Magenta · 18945
- 1× Technic Axle Pin with Friction Blue · 43093
- 1× Technic Beam 2 Liftarm Black · 60483



61

- 2× Technic Beam 5 Black · 32316
- 7× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Panel 5 × 11 Trapezium Magenta · 18945
- 1× Technic Axle Pin with Friction Blue · 43093
- 1× Technic Beam 2 Liftarm Black · 60483



62

■ 1× Technic Panel Fairing Smooth #2 (Short)

Black · 87086

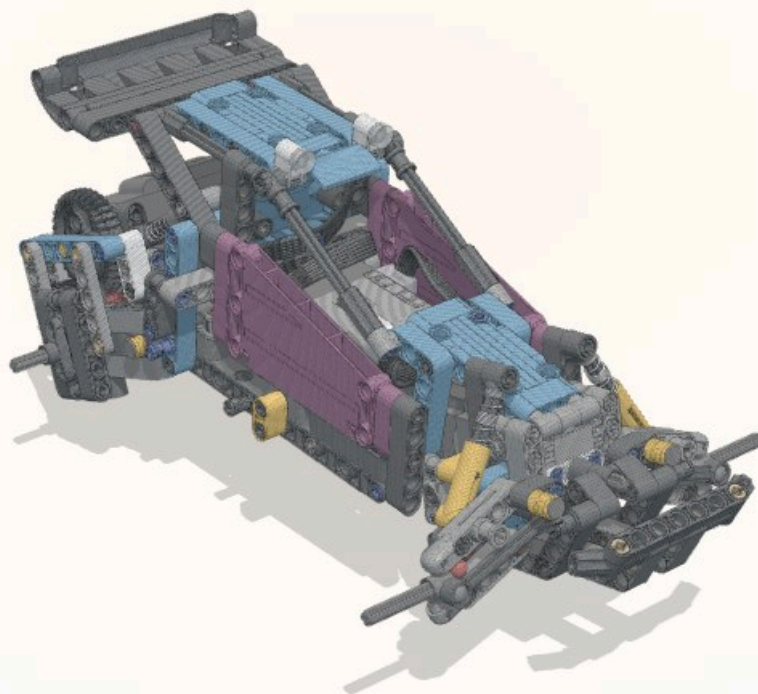
■ 1× Technic Pin with Friction with

Perpendicular Pin Hole Type 1 Light Bluish Grey

· 15100

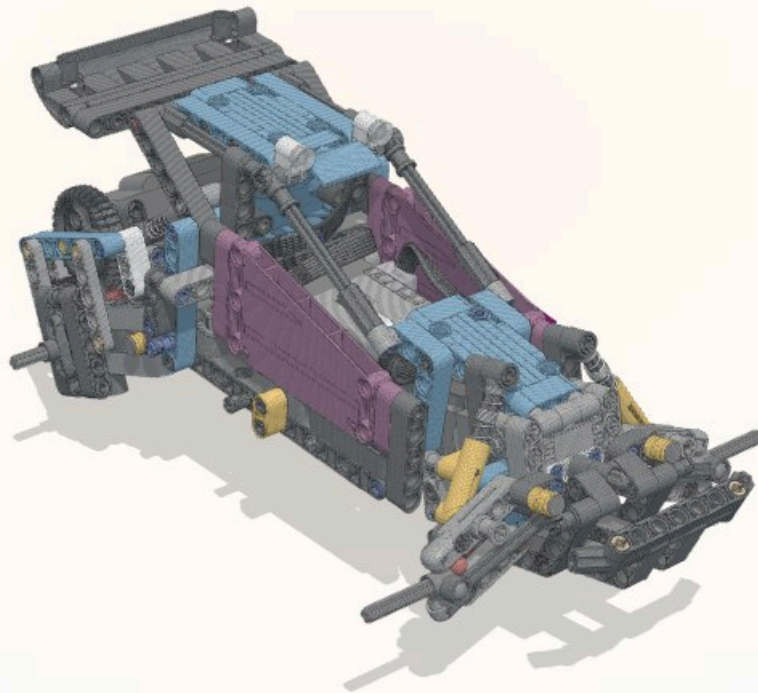
■ 1× Technic Pin with Friction and Slots Black ·

2780



63

- 1× Technic Panel Faring Smooth #5 (Long)
Magenta · 64681
- 2× Technic Pin with Friction and Slots Black ·
2780
- 1× Technic Beam 2 Yellow · 43857



64

■ 1× Technic Panel Faring Smooth #1 (Short)

Black · 87080

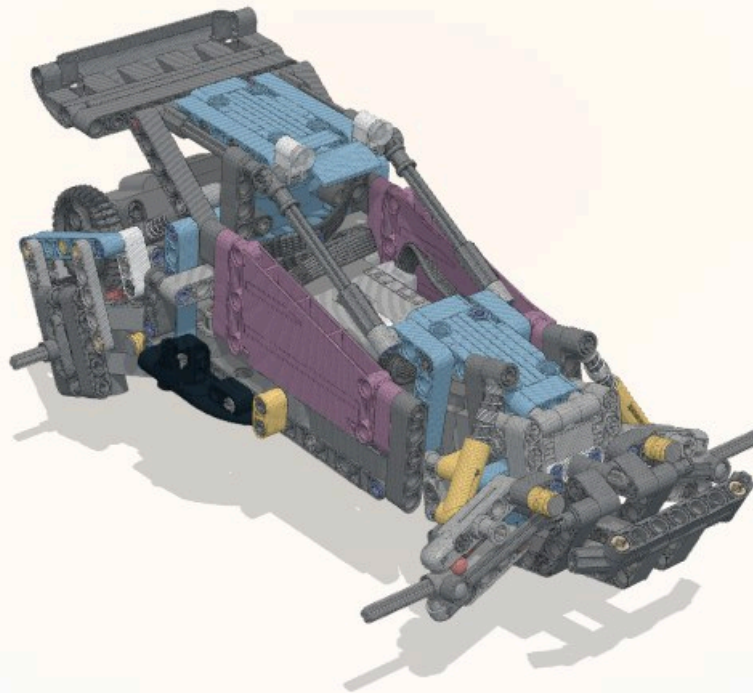
■ 1× Technic Pin with Friction with

Perpendicular Pin Hole Type 1 Light Bluish Grey

· 15100

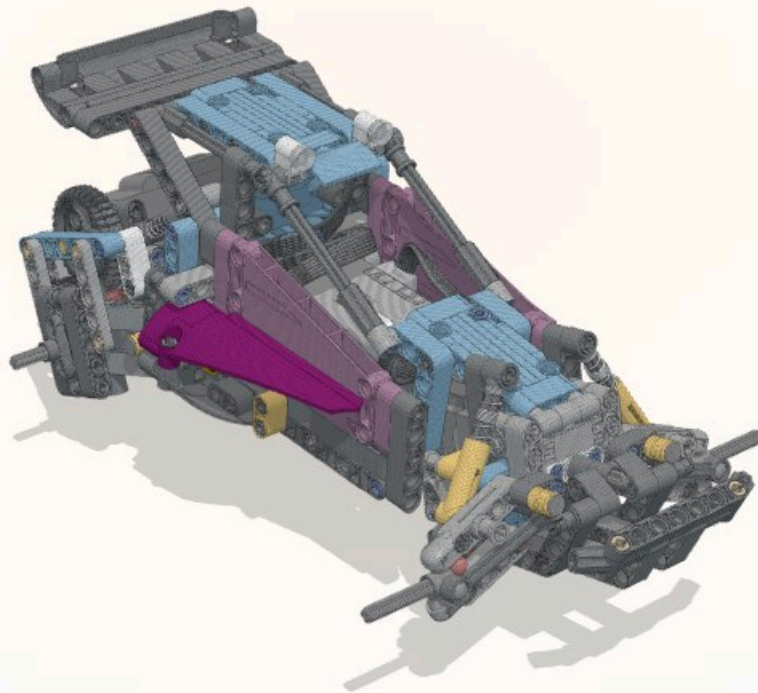
■ 1× Technic Pin with Friction and Slots Black ·

2780



65

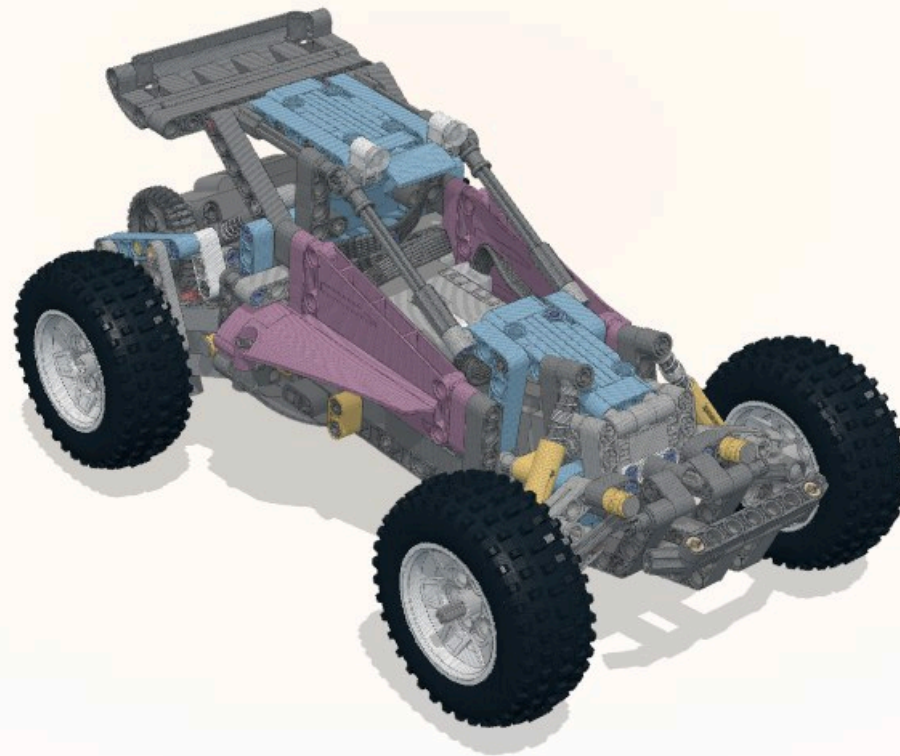
- 1× Technic Panel Fairing Smooth #6 (Long)
Magenta · 64393
- 2× Technic Pin with Friction and Slots Black ·
2780
- 1× Technic Beam 2 Yellow · 43857



66

□ 4× Wheel Rim 26 × 43 with 6 Spokes and 6 Pegholes White · 56908

■ 4× Tyre 28/ 57 × 43 Off Road Rubber Black · 69909



67

- 1× Technic Pin with Friction with Perpendicular Pin Hole Type 1 Light Bluish Grey · 15100
- 2× Technic Pin with Friction and Slots Black · 2780
- 1× Technic Flex-System Hose 14L (280LDU) Black · 71177
- 1× Technic Beam 1 White · 18654



Parts list

5x 15461	Black	Technic Connector 3 × 1 × 2	1x 71177	Black	Technic Flex-System Hose 14L
8x 18651	Black	Technic Axle Pin Long with F	2x 71710	Black	Technic Beam 15 with Alterna
1x 18654	Black	Technic Beam 1	1x 87080	Black	Technic Panel Fairing Smooth
2x 2739a	Black	Technic Steering Link 6L Typ	1x 87086	Black	Technic Panel Fairing Smooth
77x 2780	Black	Technic Pin with Friction an	29x 42924	Blue	Technic Pin Long with Fricti
2x 32013	Black	Technic Angle Connector #1	11x 43093	Blue	Technic Axle Pin with Fricti
2x 32016	Black	Technic Angle Connector #3 (	1x 49283	Blue	Technic Cable Clip
1x 32065	Black	Technic Beam 7 × 0.5	2x 62462	Blue	Technic Pin Joiner Round wit
4x 32126	Black	Technic Connector Toggle Joi	9x 32524	Dark Azure	Technic Beam 7
7x 32140	Black	Technic Beam 2 × 4 Liftarm B	2x 32526	Dark Azure	Technic Beam 3 × 5 Bent 90
14x 32316	Black	Technic Beam 5	1x 71682	Dark Azure	Technic Panel Curved 3 × 2 ×
1x 32498	Black	Technic Gear 36 Tooth Double	3x 71709	Dark Azure	Technic Panel 3 × 7
1x 32525	Black	Technic Beam 11	2x 15460	Dark Bluish Grey	Technic Steering Arm with 3
4x 3706	Black	Technic Axle 6	2x 32271	Dark Bluish Grey	Technic Beam 3 × 7 Liftarm B
1x 39794	Black	Technic Beam 11 × 7 with Ope	2x 55013	Dark Bluish Grey	Technic Axle 8 with Stop
2x 42003	Black	Technic Cross Block 1 × 3 (A	2x 59426	Dark Bluish Grey	Technic Axle 5.5 with Stop T
5x 44874	Black	Technic Pin Long with Pin Ho	4x 87083	Dark Bluish Grey	Technic Axle 4 with Stop
2x 59443	Black	Technic Axle Joiner Inline S	1x 14720	Light Bluish Grey	Technic Beam 5 × 3 H-shaped
9x 60483	Black	Technic Beam 2 Liftarm	8x 15100	Light Bluish Grey	Technic Pin with Friction wi
1x 62531	Black	Technic Panel Smooth 11 × 2	1x 22127	Light Bluish Grey	Electric Control+ Hub
6x 63869	Black	Technic Cross Block 3 × 2 (A	2x 22169	Light Bluish Grey	Electric Control+ L Motor
4x 6629	Black	Technic Beam 4 × 6 Liftarm B	1x 26287	Light Bluish Grey	Technic Axle Joiner 3L