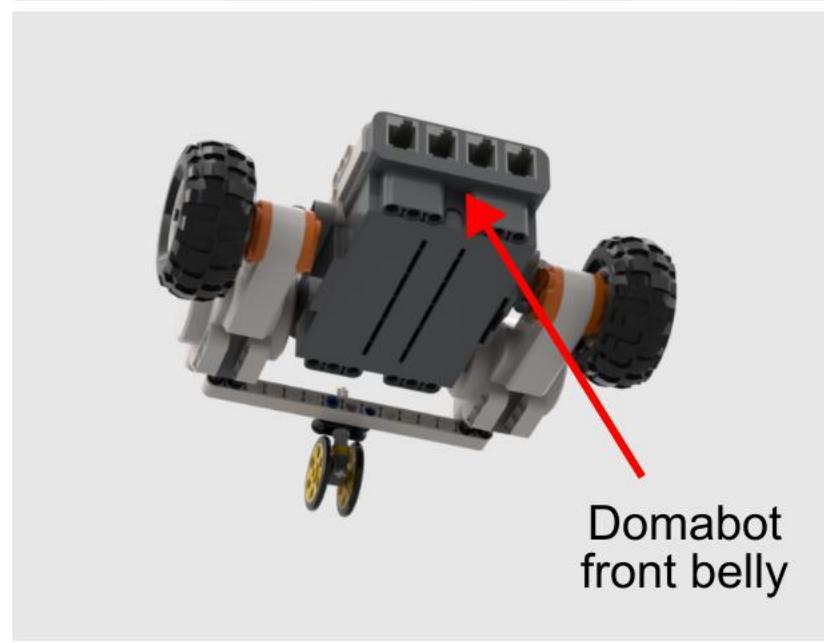
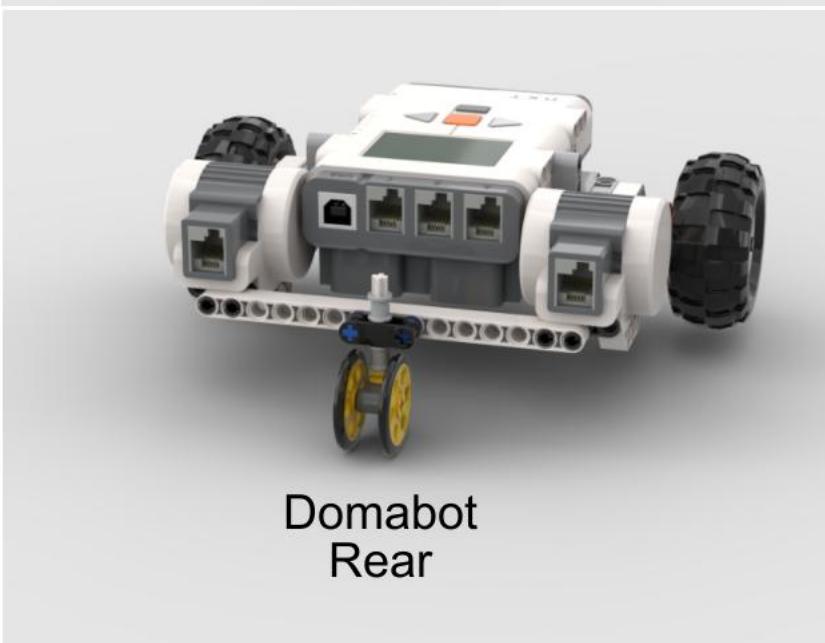
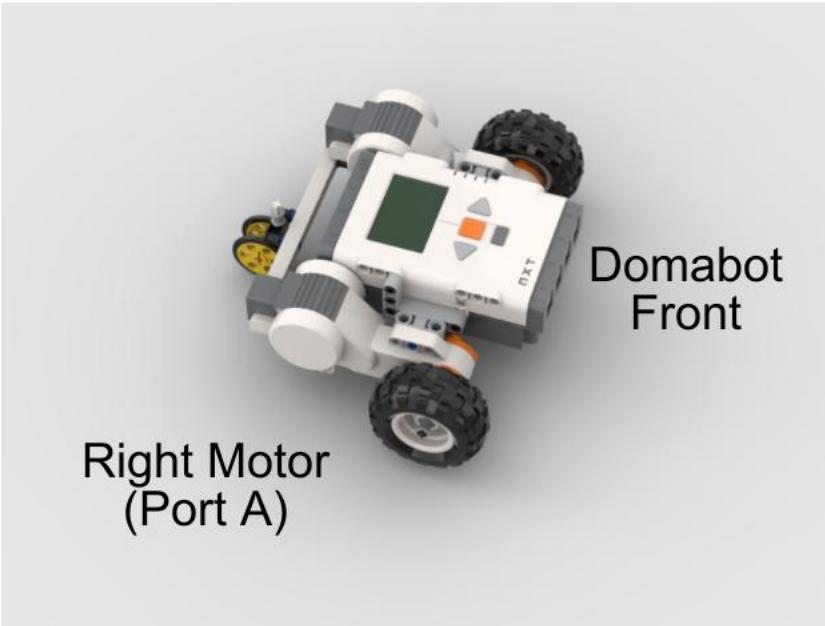


## Domabot Build Plan and domabot0\_1a.nxc





12x  
2780  
Black



1x  
32184  
Black



2x  
2815  
Black



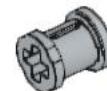
2x  
3706  
Black



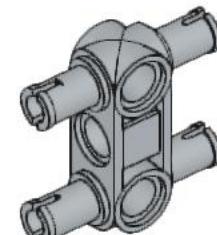
2x  
55976  
Black



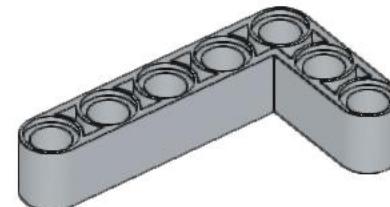
1x  
6536  
Dark Bluish Gray



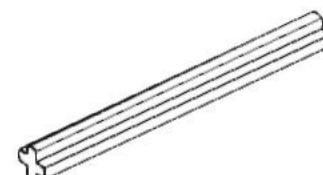
6x  
3713  
Light Bluish Gray



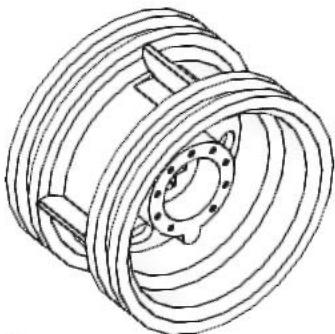
2x  
48989  
Light Bluish Gray



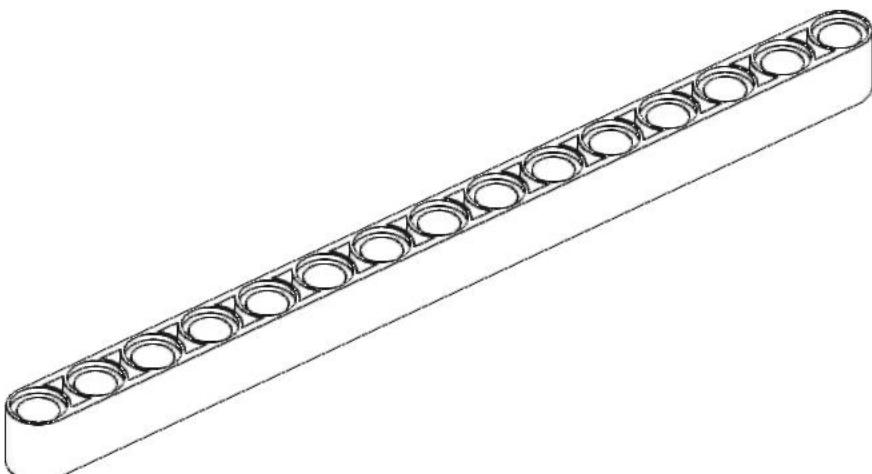
2x  
32526  
Light Bluish Gray



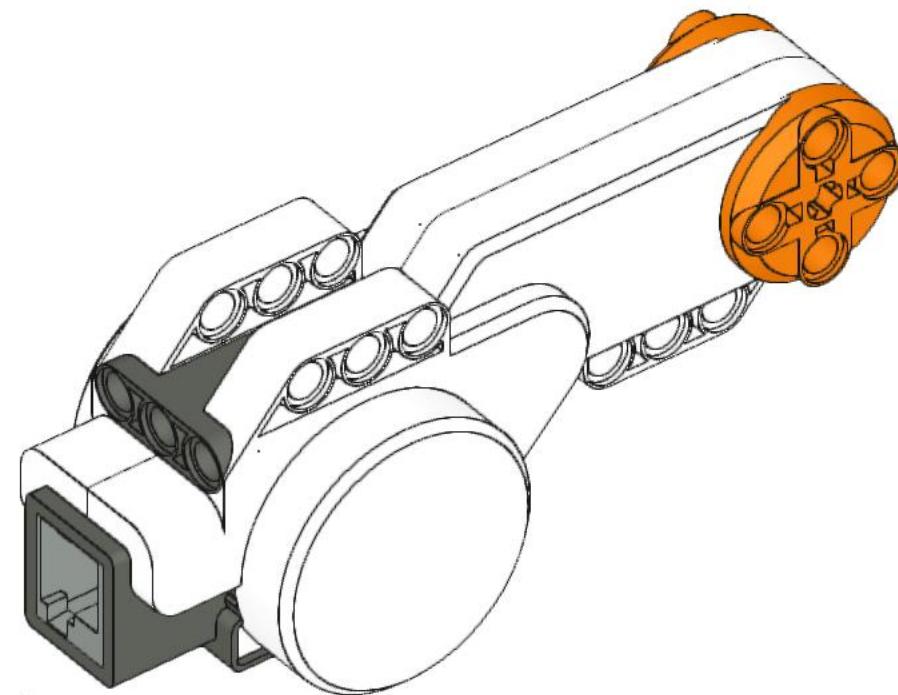
1x  
32073  
White



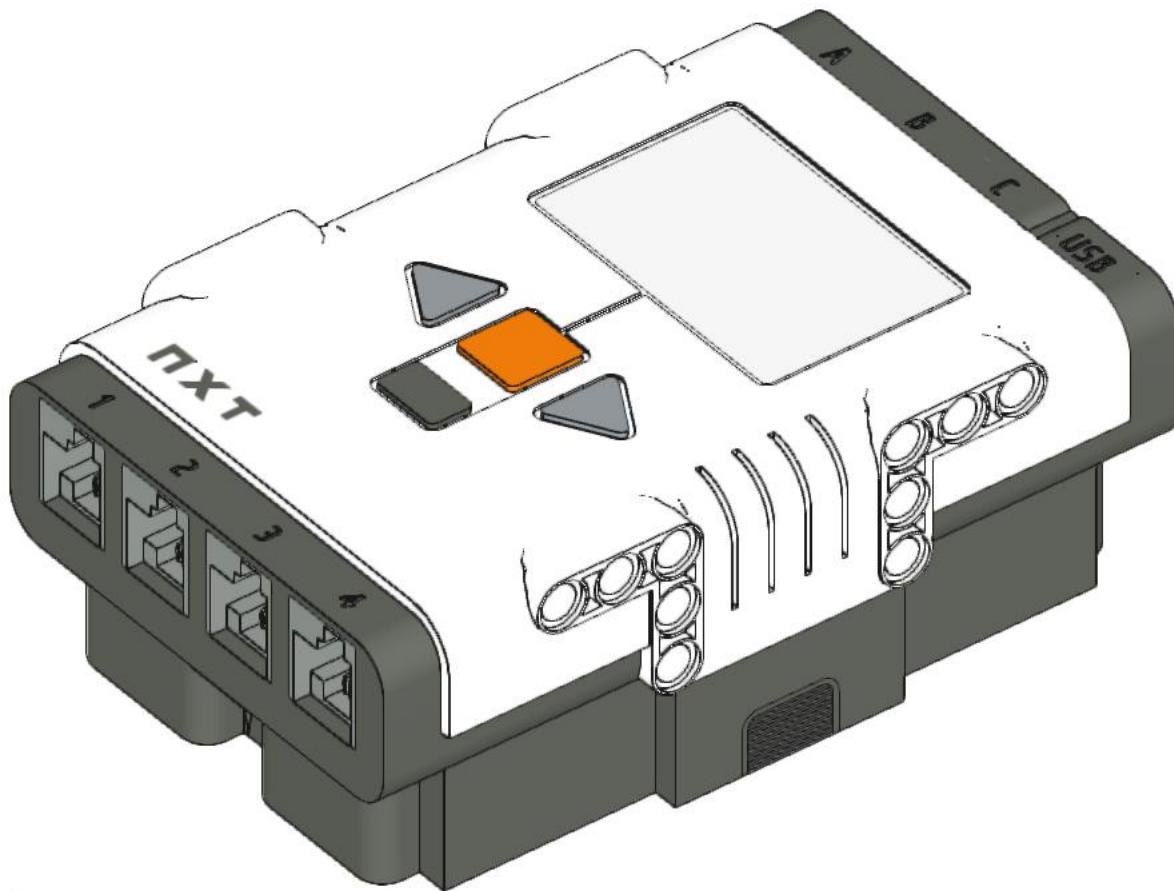
2x  
56145  
White



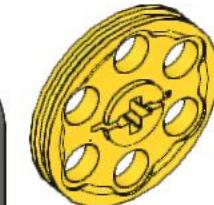
1x  
32278  
White



2x  
53787  
White



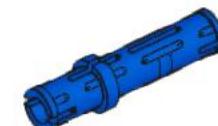
1x  
4265c  
Yellow



2x  
4185  
Yellow



2x  
43093  
Blue

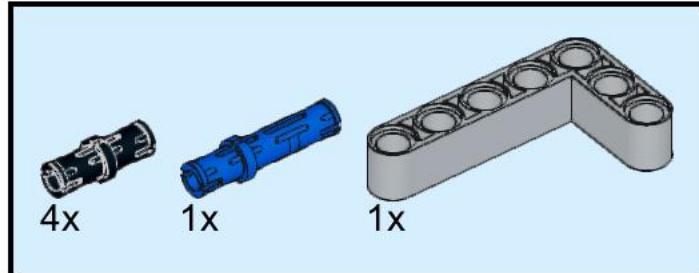
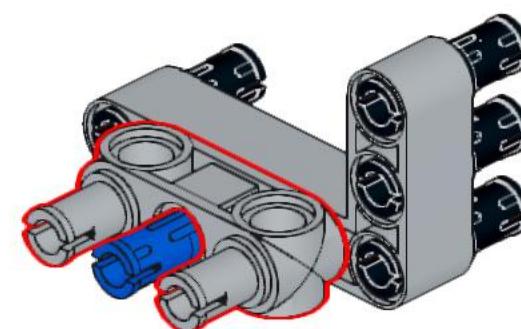
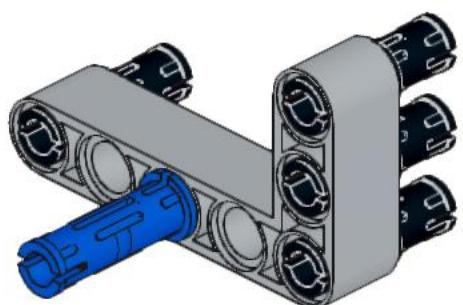
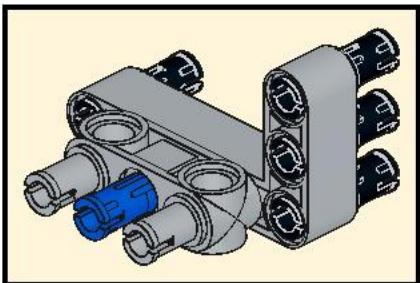
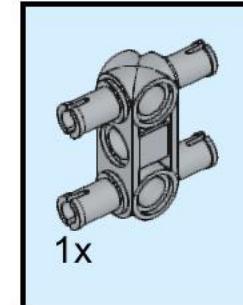


2x  
6558  
Blue

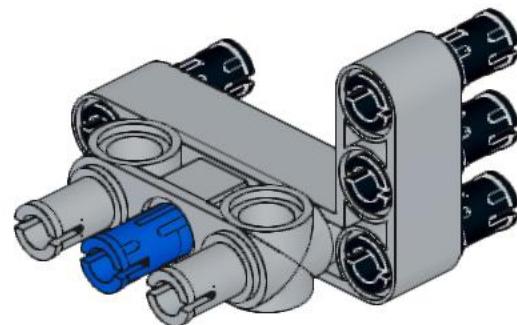
1x  
53788  
White



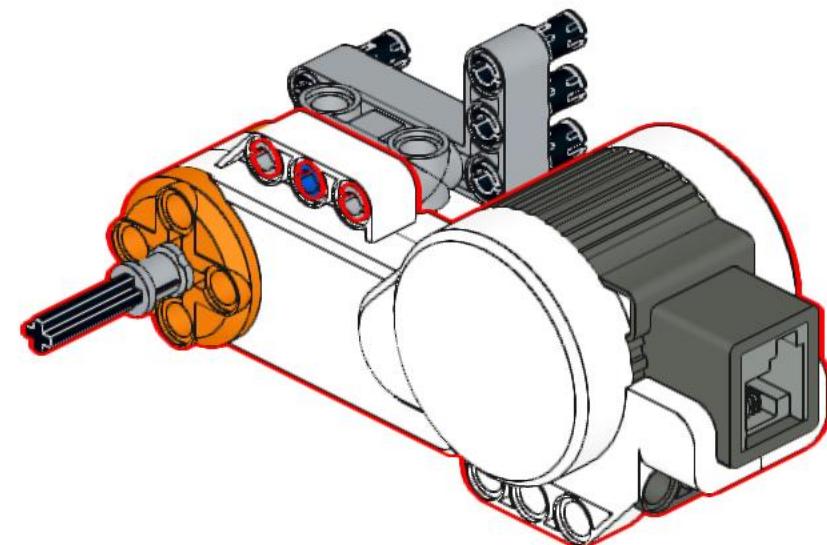
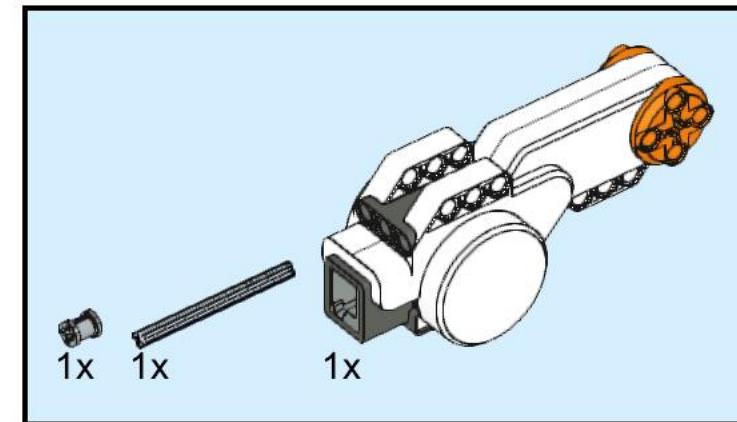
1x  
32062  
Red

**1****2**

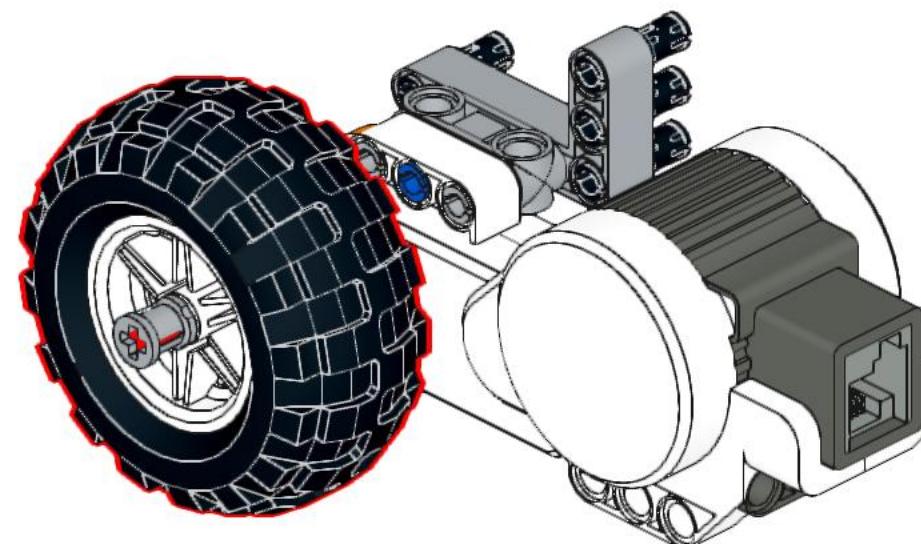
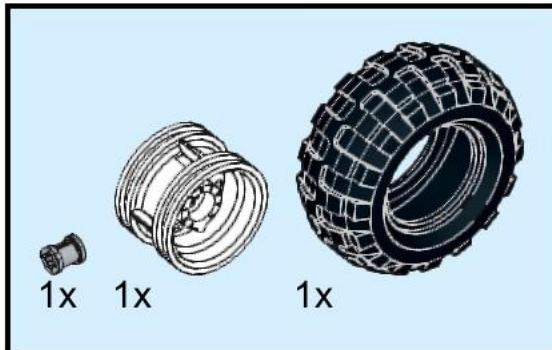
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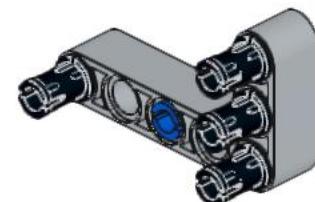
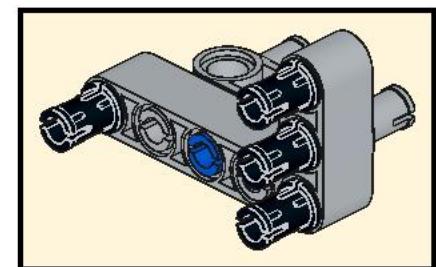
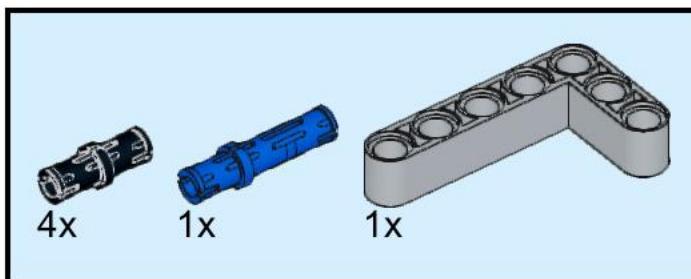
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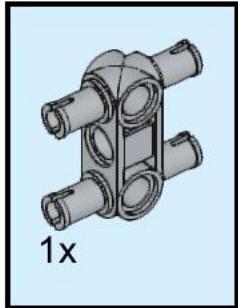
**5**



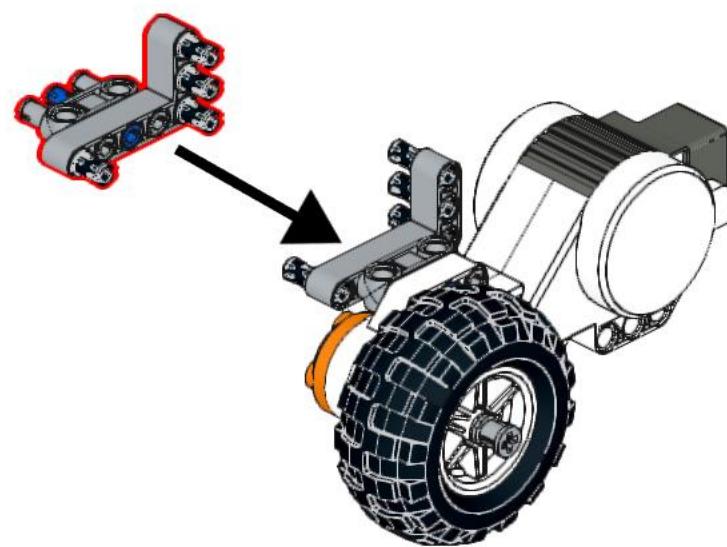
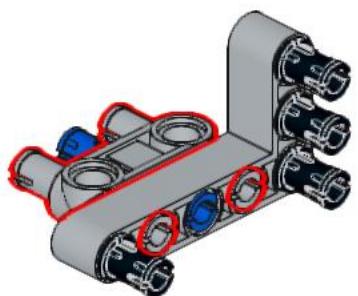
**6**



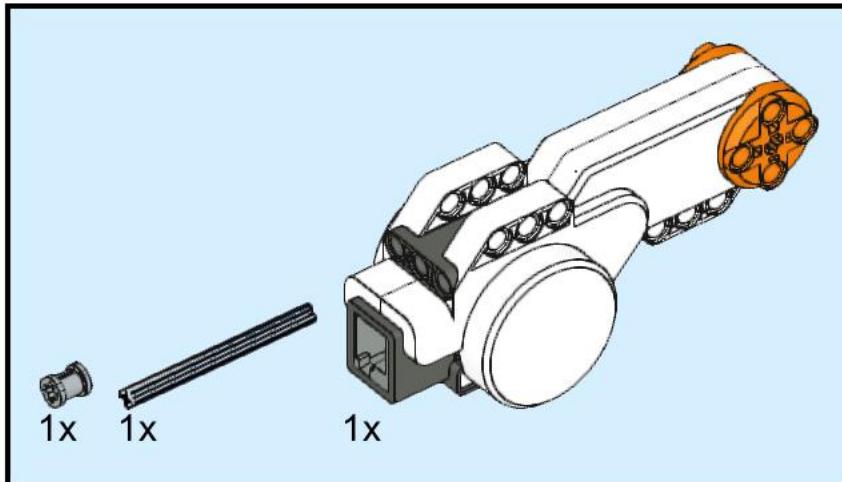
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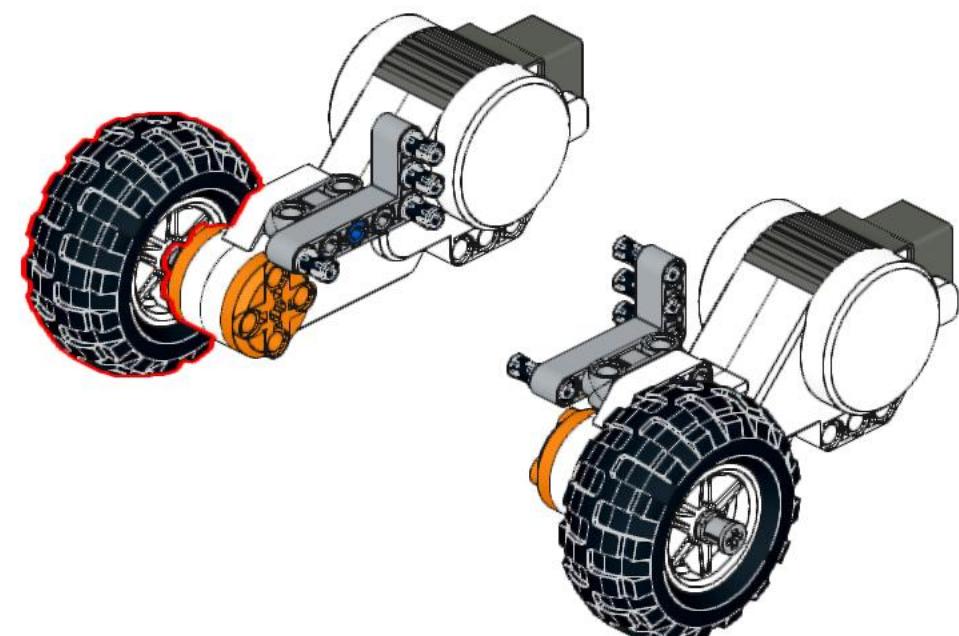
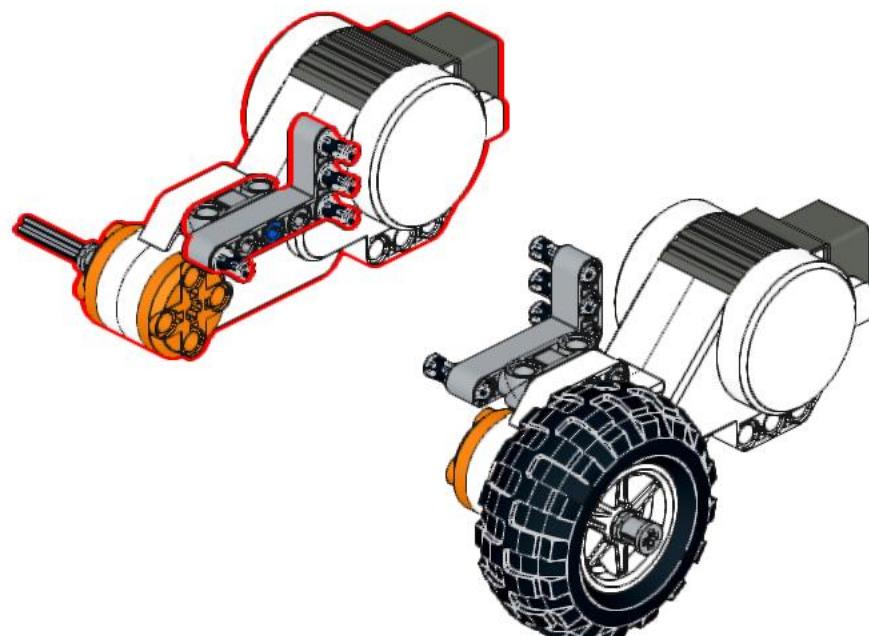
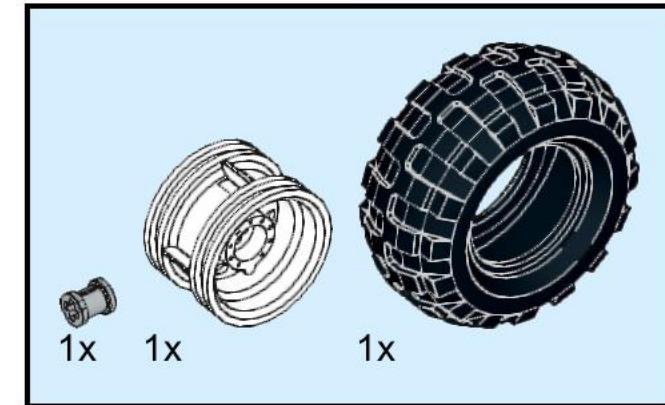
8



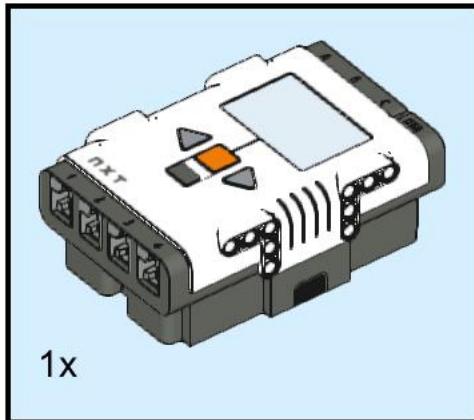
**9**



**10**

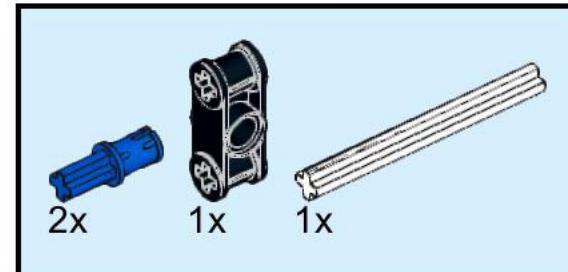


**11**



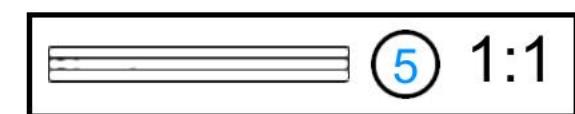
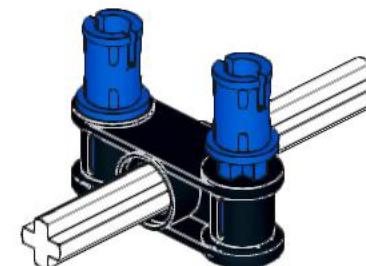
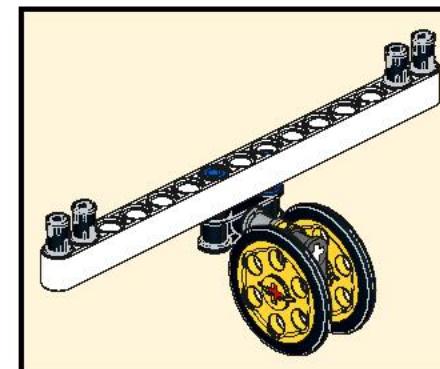
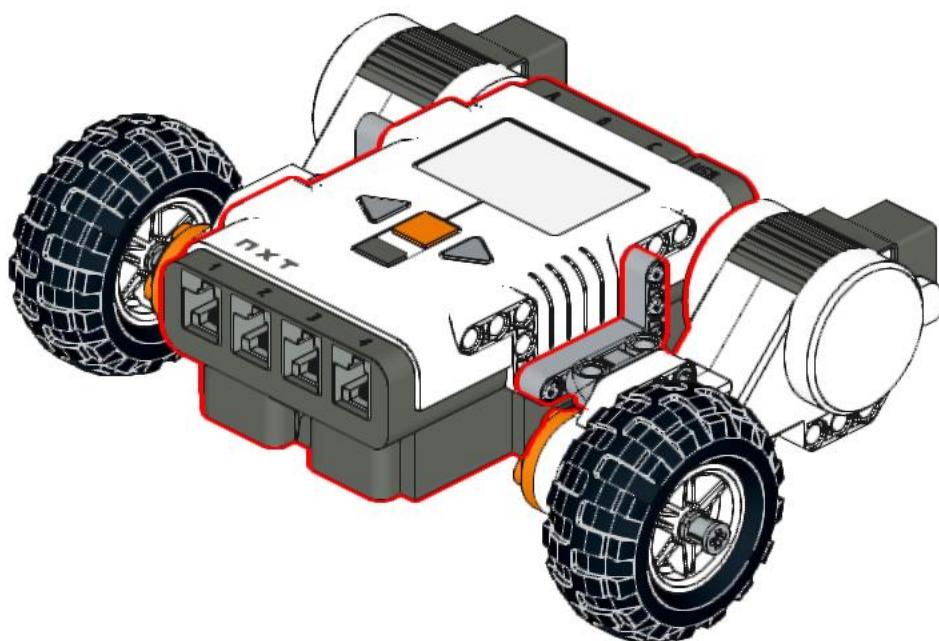
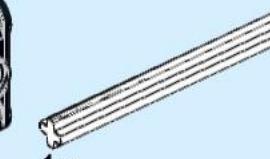
1x

**12**

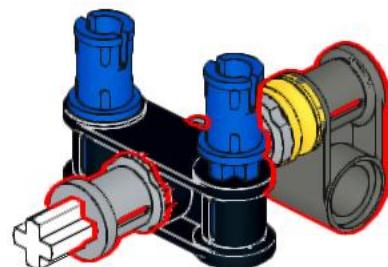
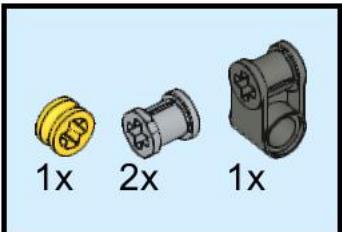


2x

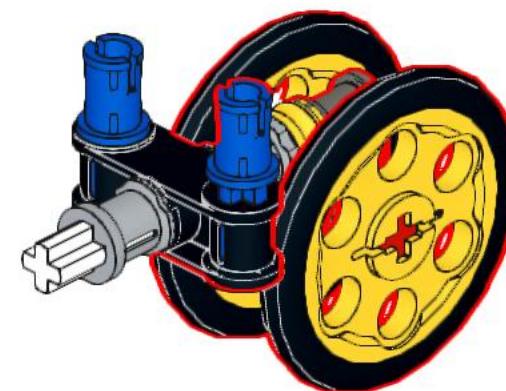
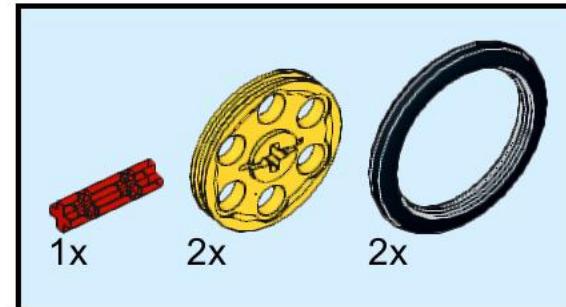
1x



**13**

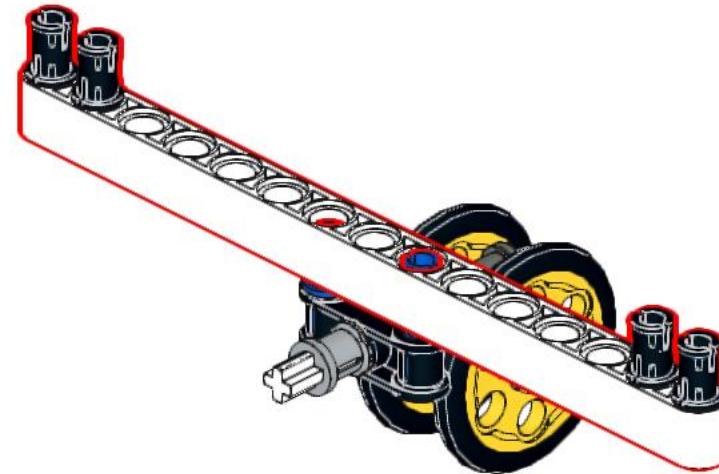
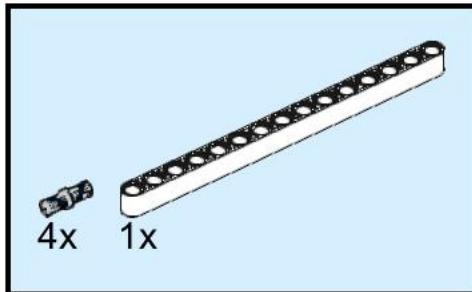


**14**



② 1:1

**15**



**15** 1:1

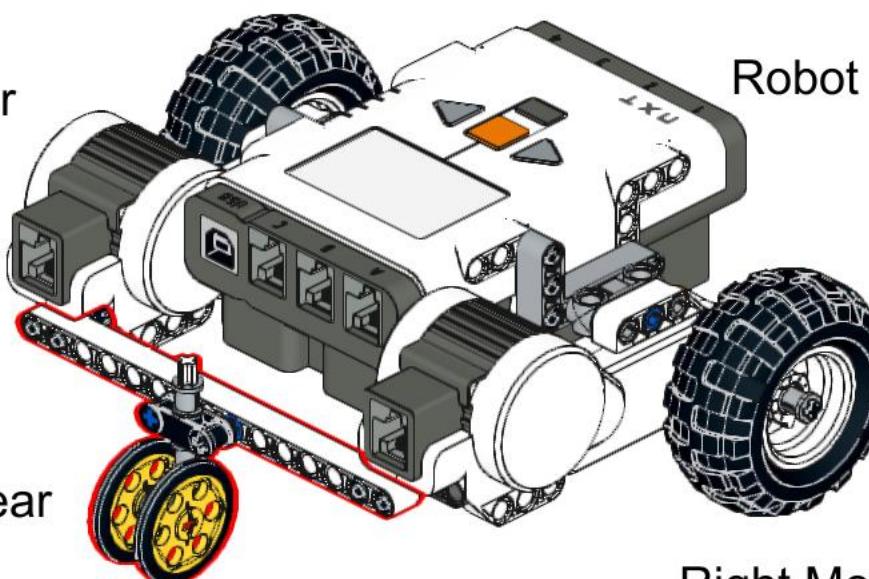
**16**

Left Motor  
(Port C)

Robot Front

Robot Rear

Right Motor  
(Port A)



```

// FILE: domabot0_1a.nxc - Works!                                domabot0_1a.nxc
// AUTH: P. Oh
// DATE: 09/10/22 12:34
// DESC: Domabot; motorRight = Port A will turn CCW
//        and motorLeft = Port C will turn CW
// VERS: 0.1a: test move forward, backward, left and right

task main() {
    byte motorPowerA, motorPowerC; // power [0, 100]
    bool orangeButtonPushed, rightButtonPushed, leftButtonPushed; // NXT
    buttons

    motorPowerA = motorPowerC = 50; // set motor speed to 50% level

    TextOut(0, LCD_LINE2, "-> BTN to proceed" );
    do { // nothing until NXT's Right Arrow button pushed
        rightButtonPushed = ButtonPressed(BTNRIGHT, FALSE);
    } while(!rightButtonPushed);

    ClearScreen();
    TextOut(0, LCD_LINE3, "Forward for 3 SECs" );
    OnFwd(OUT_A, motorPowerA);
    OnFwd(OUT_C, motorPowerC);
    Wait(SEC_3);
    PlaySound(SOUND_UP);

    ClearLine(LCD_LINE3);
    TextOut(0, LCD_LINE3, "Turn CCW for 3 SECs" );
    OnFwd(OUT_A, motorPowerA);
    OnRev(OUT_C, motorPowerC);
    Wait(SEC_3);
    PlaySound(SOUND_UP);

    ClearLine(LCD_LINE3);
    TextOut(0, LCD_LINE3, "Back for 3 SECs" );
    OnRev(OUT_A, motorPowerA);
    OnRev(OUT_C, motorPowerC);
    Wait(SEC_3);
    PlaySound(SOUND_UP);

    ClearLine(LCD_LINE3);
    TextOut(0, LCD_LINE3, "Turn CW for 3 SECs" );
    OnRev(OUT_A, motorPowerA);
    OnFwd(OUT_C, motorPowerC);
    Wait(SEC_3);
    PlaySound(SOUND_UP);

    // Stop, exit gracefully and quiet
    Off(OUT_A);
    Off(OUT_C);
    PlaySound(SOUND_DOUBLE_BEEP);
    StopAllTasks();
} // end main

```