# BASE CAR – REQUIRED FOR OTHER PROJECTS

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| **DESCRIPTION** |  |
| **IMG_4912** | This is the base car that will be required to build many of the following projects. On its own, it will run in a circle for you to verify that it is built correctly. |
| **PART 1 – MOTORS** |  |
| **IMG_5066**  7  7 | Part 1 requires these parts. |
| **C:\Users\lockk\AppData\Local\Microsoft\Windows\INetCache\Content.Word\IMG_5062.jpg** | Prepare the two sticks. |
| **IMG_5060** | Attach the two sticks onto the two wheels. |
| **IMG_5058** | Attach the two wheels onto the two motors. Notice how they mirror each other and are **not the same**. |
| **PART 2 – CHASIS** |  |
| **IMG_5055** | Part 2 will require these pieces. |
| **IMG_5054** | Start off by making these pieces. |
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| **C:\Users\lockk\AppData\Local\Microsoft\Windows\INetCache\Content.Word\IMG_5048.jpg** | Attach the two L’s onto the inside of each motor. |
| **IMG_5047** | Join up both motors together with the last square piece. **Pay attention to where the L piece gets attached and how it is level with the square.** |
| **PART 3 – CHASIS CNTD.** |  |
| **IMG_5042**  15 | Part 3 will require these pieces. |
| **IMG_5036** | Start off by preparing these two pieces. |
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| **IMG_5035** | Join up both pieces together to look like this. |
| **IMG_5032** | Join it up to the motors as such. |
| **PART 4 – FRONT WHEEL** |  |
| **IMG_5025** | Part 4 will require these pieces. If the ball is not already in the socket, put it into the socket. |
| **IMG_5023** | Make these two pieces. |
| **IMG_5022** | Take the two black pieces and attach them to the socket. |
| **IMG_5020** | Now join up all the pieces together to make the front wheel. |
| **IMG_5031** | Attach the front wheel onto the chassis. It should now look like this. |
| Now just insert the EV3 Brick on top and **plug in the motors to the closest Port (A and D).**  WIRING TIP – To make the robot seem cleaner, twirl the wire around the inside as seen on the picture on your left. |  |

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