

# Robot Car Sensor Plate

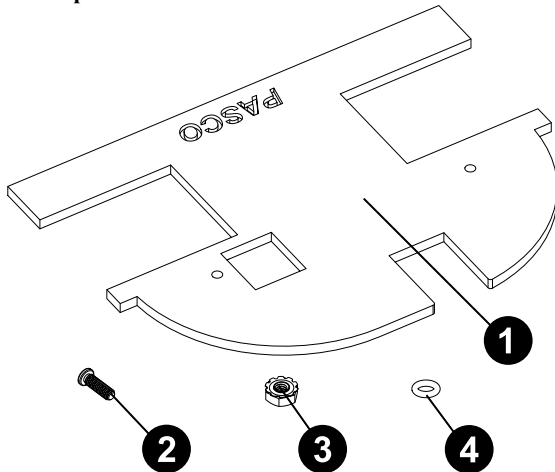
ME-7041

## Introduction

The Robot Car Sensor Plate is used to connect a PASCObot Line Follower Module (PS-3320) or Range Finder Module (PS-3321) to a Robot Car (ME-7029). This allows you to perform experiments with these modules without the use of a PASCObot. The plate is shaped to accommodate either module and the Robot Car's stepper motors.

## Components

Included components:



- ❶ Plate
- ❷ 2× screws
- ❸ 2× lock nuts
- ❹ 2× O-rings

Required equipment:

- Robot Car (ME-7029)
- Either of the following modules:
  - PASCObot Line Follower Module (PS-3320)
  - PASCObot Range Finder Module (PS-3321)

## Setup

Follow these steps to attach your chosen module to the Robot Car using the Robot Car Sensor Plate.

1. Orient the Robot Car Sensor Plate so that the PASCO logo faces the floor.
2. Insert the included screws into the small circular holes on the module, then slide the O-rings onto the screws.
3. Lower the module onto the plate so that the screws pass through the small circular holes in the plate. The rectangular tab on the underside of the module should pass through the square hole in the plate, as shown in Figure 1.
4. Secure the screws in place with the included lock nuts, as shown in Figure 1.

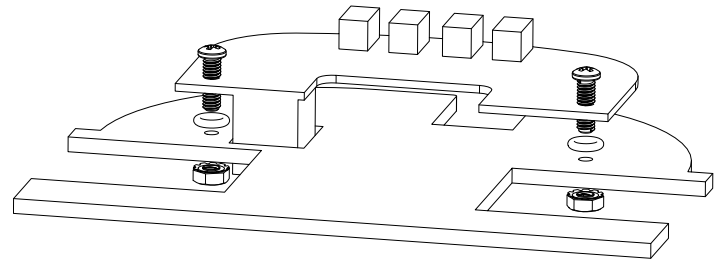


Figure 1

5. Turn the plate over so that the attached module's sensing elements face the floor.
6. Insert the "prongs" on one side of the plate into the lower slots of the motor mount holding one of the stepper motors on the Robot Car, as shown in Figure 2. The plate will fit loosely. Make sure to orient the plate so that the module's sensing elements are at the front of the car.

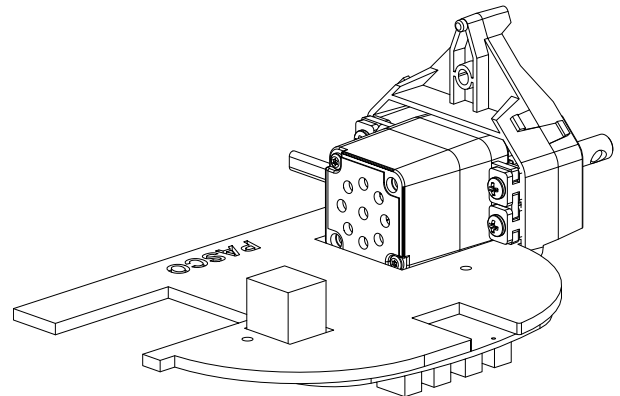


Figure 2

7. Repeat Step 6 with the other side of the plate and the other motor mount to secure the plate in place on the Robot Car.

While the illustrations in the previous list use the Line Follower Module, the Range Finder Module can be attached in the same way, as shown in Figure 3.

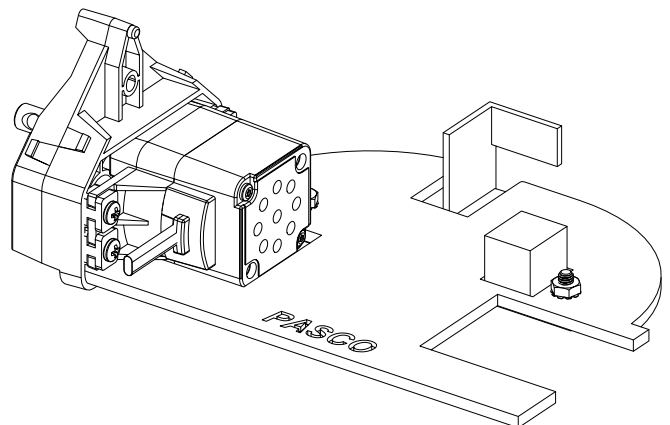


Figure 3

## Specifications and accessories

Visit the product page at [pasco.com/product/ME-7041](https://www.pasco.com/product/ME-7041) to view the specifications and explore accessories. You can also download experiment files and support documents from the product page.

## Experiment files

Download one of several student-ready activities from the PASCO Experiment Library. Experiments include student handouts and teacher notes. Visit [pasco.com/freelabs/ME-7041](https://www.pasco.com/freelabs/ME-7041).

## Technical support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to answer your questions or walk you through any issues.

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- 📞 Phone 1-800-772-8700 x1004 (USA)  
+1 916 462 8384 (outside USA)

### Limited warranty

For a description of the product warranty, see the Warranty and Returns page at [www.pasco.com/legal](https://www.pasco.com/legal).

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