

ASSEMBLY INSTRUCTION

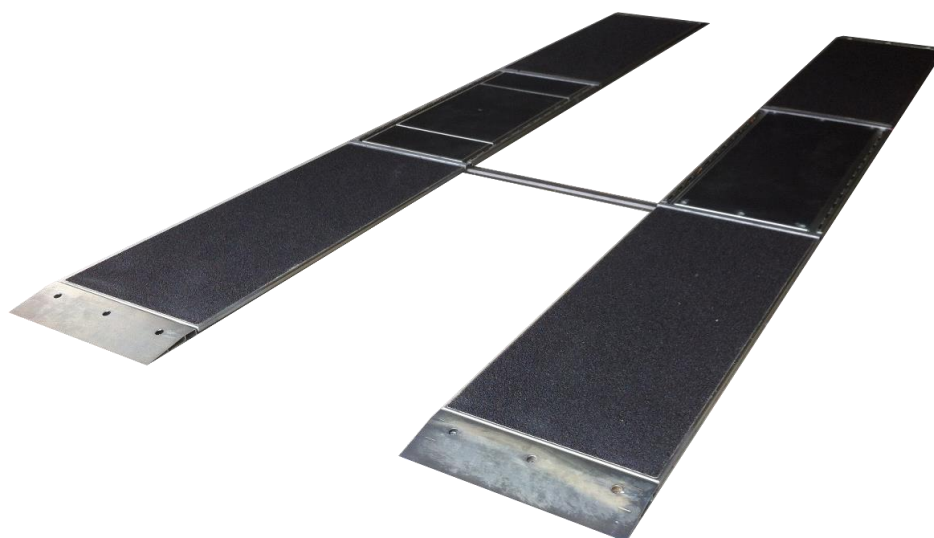
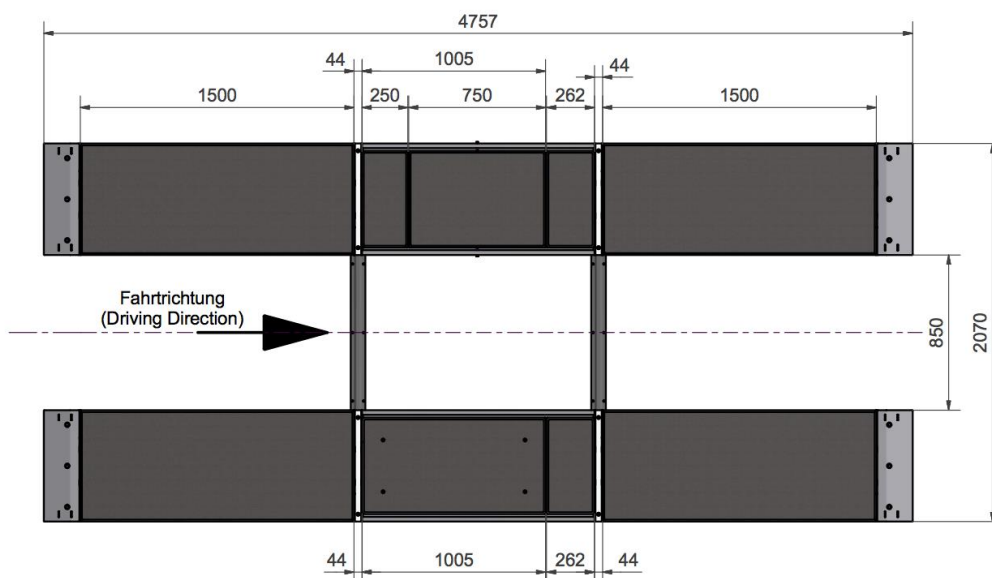


Plate Brake Tester: PBT-24-4757

Despite careful checking, errors in this publication cannot be completely excluded.

This manual was written for users with technical knowledge in vehicle testing.

Assembly Instruction: PBT-24-4757

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English

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1. Setup

Attention!

- Choose the place for installation carefully!
- You need a power point near the plate brake tester!
- Make sure a water drain is near the plate brake tester
- Level and horizontal surface!

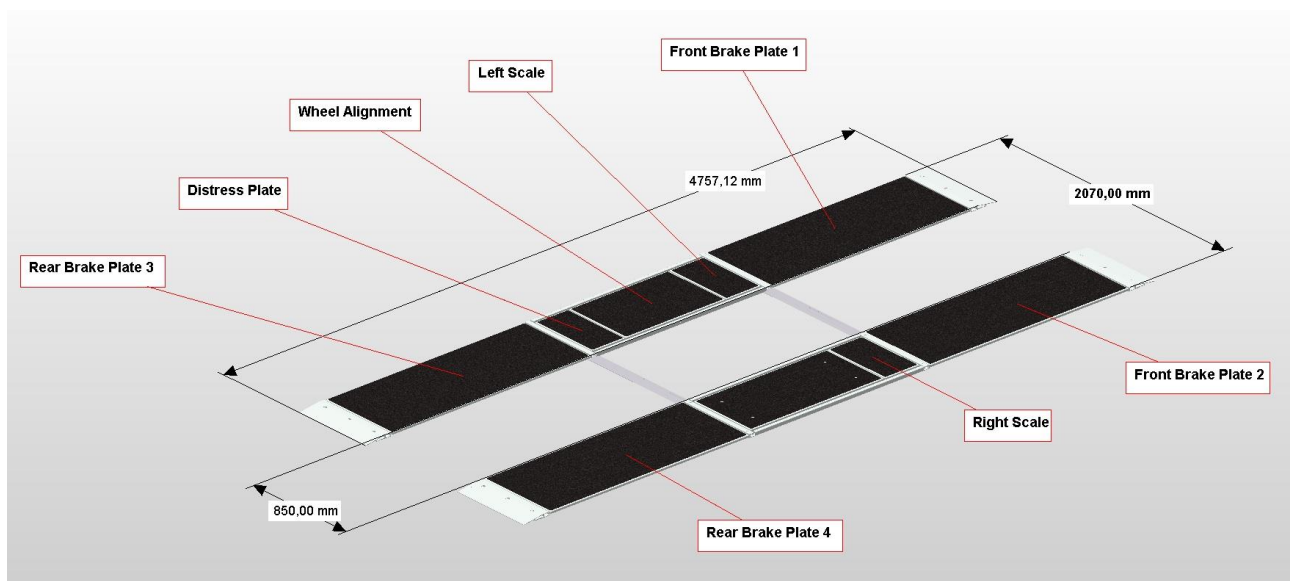
Please note!

- The width of each brake plate is 610 mm. The standart distance between the plates is 850 mm (given by the cable cover rail). Depending on the required distance it can be extended or shortened.
- The brake plates are identical and can be placed in any position (left / right, front / rear). The sensors of the brake plates are located on one side under the cover panels (side with orange cable). This side may not be the drive-on / drive-off side.
- For fastening the brake plates the covers of the scales an slip-plate need to be detached
- The surface on which the plate brake tester will be installed must be so precisely that the plates lie completely flat. Bumps and sharp protruding stones etc. must be compensated or removed.

Tools:

- **Hammer drill and drill bits (8, 10 und 12mm)**
- **Ratchet with nut (17)**
- **Cable ties**
- **Meter ruler**
- **Chalk line**
- **Bits/Screwdriver**

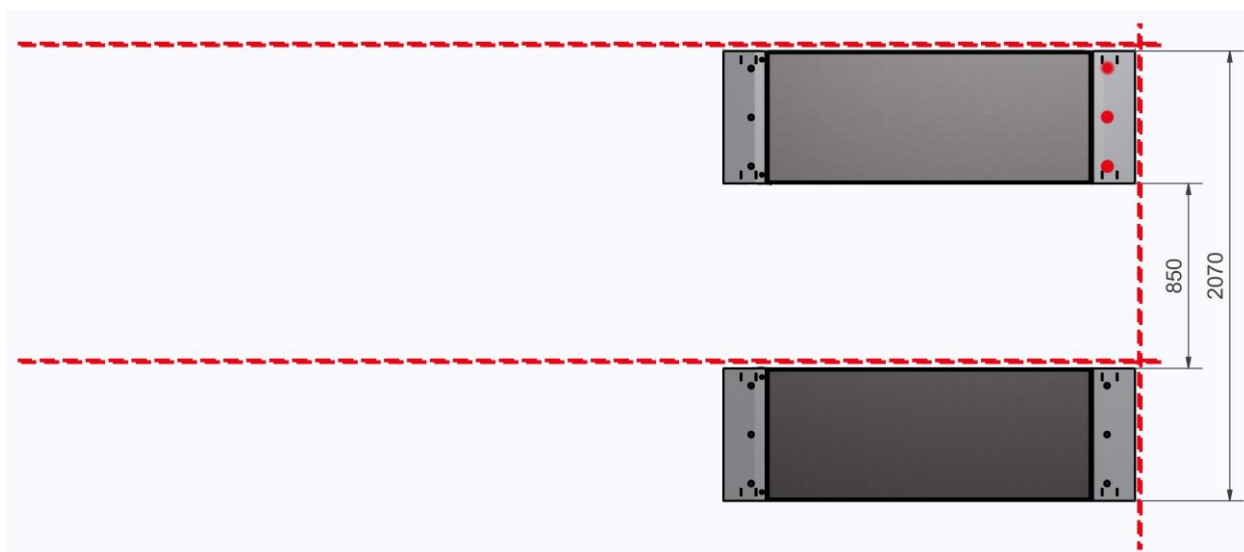
2. Installation



Place the plate brake tester according to mounting assembly on the floor.
See figure above.

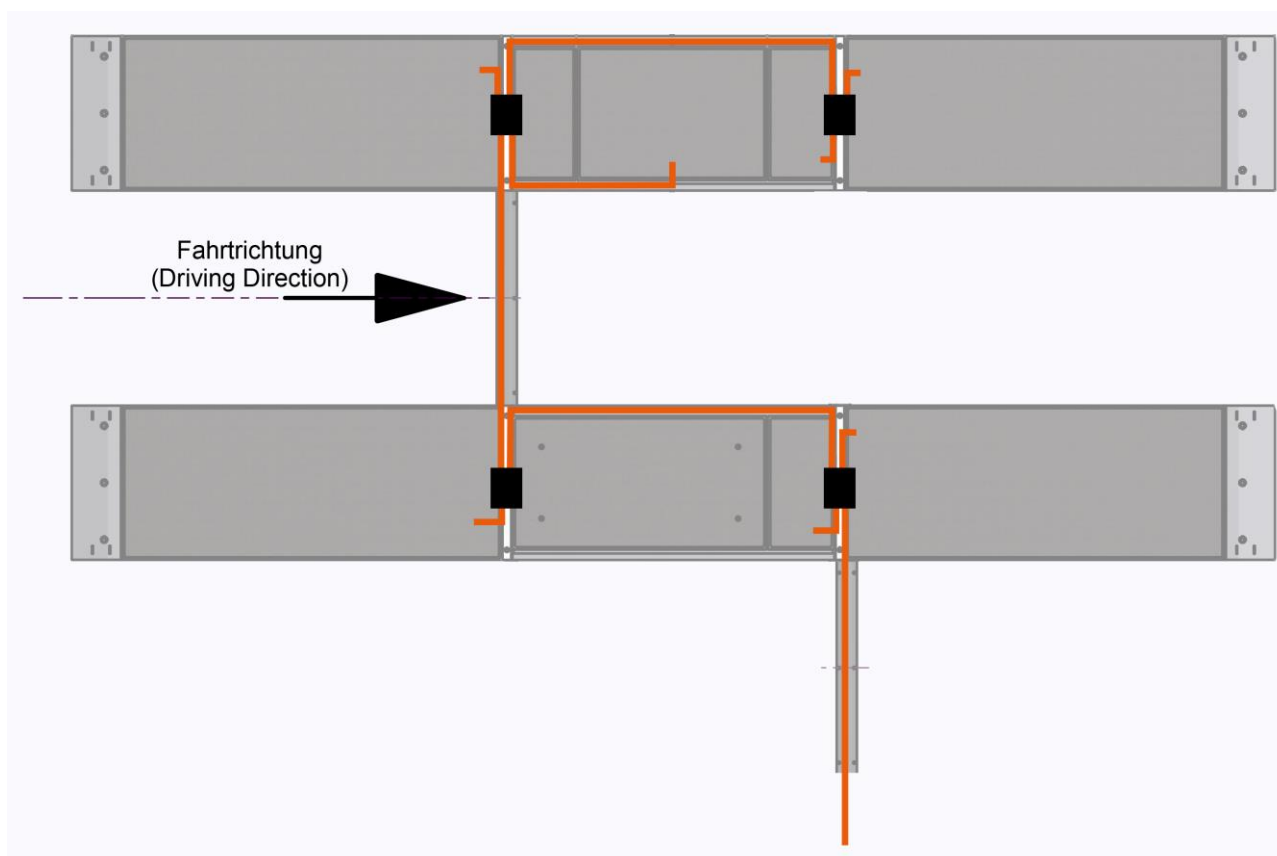
For the assembly you will need the mounting/accessory set, the four cables and four junction boxes.

1. Align the first brake plate (orange sensor cable shows towards side slip plate) and attach the plate together with the one ramp with the supplied plugs, washers and screws.



2. Use the chalk line to draw the longitudinal direction line of the test stand. The cross line must pass the front left brake plate at an 90° angle. The third line must pass the second line again in an 90° angle. The distance between the right edge of the first front brake plate and the second longitudinal line must be 850mm (can vary on your required distance).
3. Put the side-slip plate on the first brake plate (scale showing to brake plate 1). Remove cover of scale to get to mounting holes. Let it click into the brake plate (mounting hole to mounting hole). Tighten the screws only slightly because the third brake plate still needs to be placed under the side-slip plate.
4. Place the third brake plate (orange sensor cable must show towards side-slip plate) under the side-slip plate and let it click into the brake plate. Remove cover of distress plate to get to mounting holes. Attach the plates together with second ramp with the supplied plugs, washers and screws. (12 screws, plugs and washers per side)
5. Attach scale and distress covers
6. Check whether the arrangement of the plates is even on the chalk line marking. Now all plastik-plugs and screws on the left side can be set and tightened. Place the cable cover rail (850 mm) to the right side at an 90° angle. This sets the distance between the left and right brake plates.

7. Align the front right brake plate parallel to the front left brake plate and proceed as described on the left side. The mounting holes of the compensation plate are located also under the two covers.



8. Route the cables and connect in accordance to the following drawing.
9. Connect the 15m long cable to the marked port on USB-Dongle.
10. The PC connection cable can be connected to any available port on the junction boxes. Once the 15m connection cable is connected, you can mount the first cable cover rail.
- Important: Take care that no wires are pinched! No tensile load on cables! Depending of the outlet of the 15m cable, futher cable cover rails may be necessary)**
11. If everything is connected and checked, you can mount the four cable covers between the plates. Use the cable ties to adjust the length of the cables if necessary.
- (Important: Take care that no wires are pinched!)**