



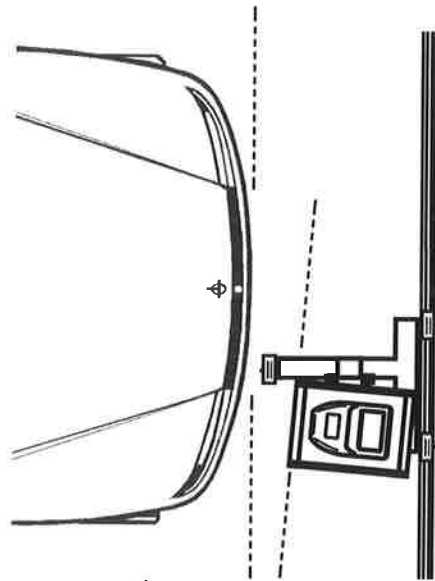
TROUBLESHOOTING: MISALIGNING LAMPS

(Aimer to Vehicle Alignment) Page 17

Note: It is critical to have the aim head parallel to the headlights on the vehicle. The track can run off parallel as long as the aim head remains parallel to the vehicle.

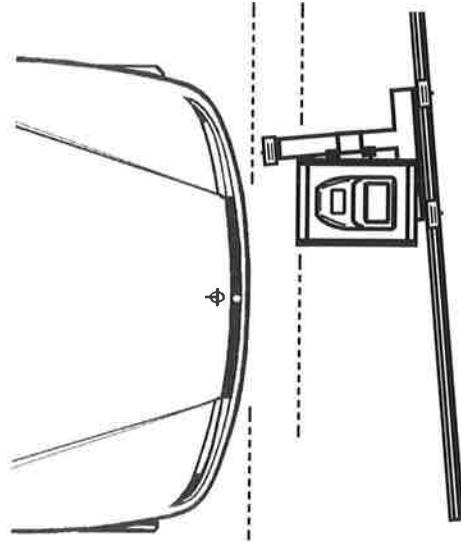
EXAMPLE 1:

Aim head is misaligned to the vehicle with the track parallel to the vehicle. Aimer will miss-aim lamps.



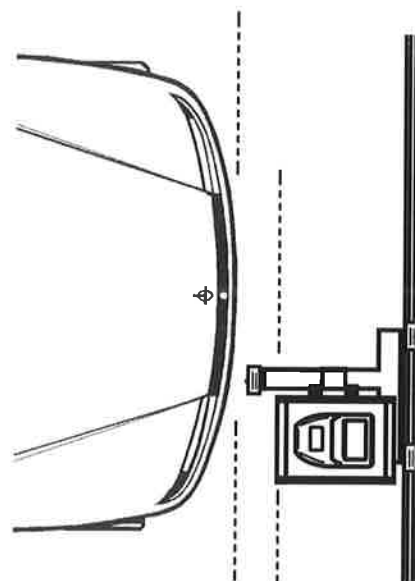
EXAMPLE 3:

Although the V100 Aimer travels along a track that is not parallel to the vehicle, the aim head can be aligned parallel to the vehicle.

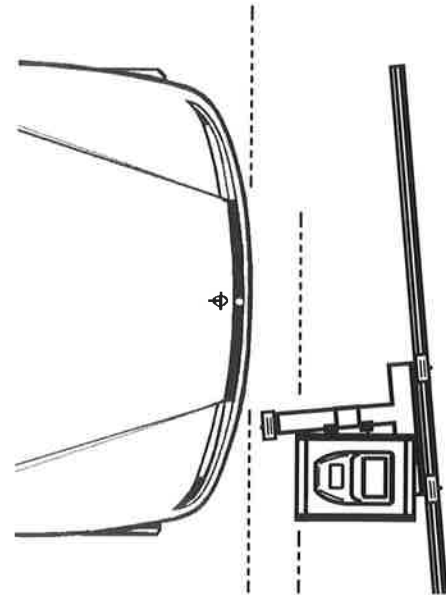


EXAMPLE 2:

Aim head is aligned parallel to the vehicle with the track parallel to the vehicle. Aimer will aim lamps correctly.



The second image shows the V100 at the second headlight and remains parallel to the vehicle. Aimer will aim lamps correctly.





TROUBLESHOOTING: MISALIGNING LAMPS (Continued)

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STEP 1:

Verify laser calibration. See Instruction Manual Calibration procedure.

STEP 2:

If laser is calibrated correctly, then it may be necessary to recalibrate the V100 head setting for left to right level.

STEP 3:

To correctly adjust the V100 aim head to correct misalignments, identify shop floor conditions by viewing the following examples:

EXAMPLE 1: Ideal Shop Floor

When aligning the aimer to the car the aim head should be level left to right.

EXAMPLE 2: Shop Floor Settling Uneven

As long as the V100 head is level left to right as is the car during Aimer to Vehicle Alignment, the aimer can roll off level without causing misalignment of the lamps.

EXAMPLE 3: Shop Floor Settling Level

This example shows that if the aimer and vehicle are both on the same plane and the surface is not level, then alignment will not be affected.

EXAMPLE 4: Vehicle Surface Level, Aimer Surface Uneven

Place the aimer in front of the vehicle where the alignment to vehicle takes place. Using the base adjusting sections, level the V100 aim head left to right so the head now reads level while setting on the uneven surface. See Page 4, Fig. 11 of the Assembly Instructions for level reading.

EXAMPLE 5: Vehicles Surface Uneven, Aimer Surface Level

Place the aimer in the area in front of the vehicle where alignment to vehicle takes place. Using a level, take a bubble reading of the uneven surface where the vehicle sets. Using the base adjustments sections, set the level of the aim head to be off level the same amount as the vehicle. This will put the vehicle and the aimer on the same plane. See Page 4, Fig. 11 of the Assembly Instructions for level reading.

NOTE:

For the vehicle and the aimer to be aligned parallel, it is critical that the aimer and the car are on the same plane when aligning the V100 to the vehicle.

EXAMPLE 2:

Vehicle sets on level surface. Aimer sets on level surface where aimer is being aligned to vehicle.

EXAMPLE 3:

Vehicle sets on not level surface. Aimer sets on not level surface, same as vehicle.

EXAMPLE 4:

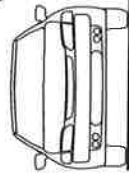
Vehicle sets on level surface. Aimer sets on not level surface.

Note: properly adjusted base.

EXAMPLE 5:

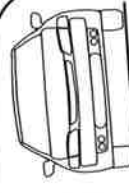
Vehicle sets on not level surface. Aimer sets on level surface.

Note: properly adjusted base.



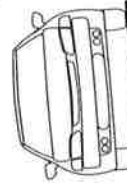
EXAMPLE 1:

Vehicle sets on level surface. Aimer moves left to right on level surface.



EXAMPLE 3:

Vehicle sets on not level surface. Aimer sets on not level surface, same as vehicle.



EXAMPLE 5:

Vehicle sets on not level surface. Aimer sets on level surface.

Note: properly adjusted base.