

# Service Manual AmpliSpeed Instruments

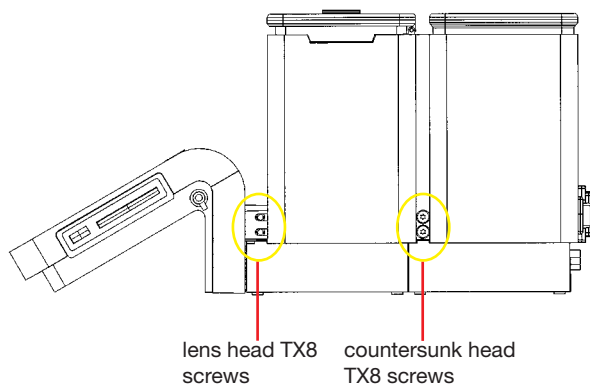
## Introduction

The AmpliSpeed slide cycler is a modular system. Even if one slide unit is broken or has to be sent in for service or maintenance, the others will remain fully functional. Minimum configuration of the stand-alone instrument is one display unit, one slide unit and a power supply.

When disassembling an instrument, please switch off the system first. Removal of either the slide unit or the control display when powered may result in severe damage of the system.

*Note: Field service is limited to remove or attach modules. Do not open the modules as this will result in loss of warranty. Especially after opening cycler modules they have to be sent in for recalibration!*

*Figure 1: Side view of an AmpliSpeed assembly. The yellow circles indicate the positioning of the TX8 screws fixing the power supply and the display.*



## Removing and adding the power supply

- Unscrew the countersunk head TX8 screws (Fig. 1) connecting the power supply with the cycler module on both sides with an appropriate torx key. ASC400D and all extension units have been delivered with a TX8 tool. For ASC100D and ASC200D either contact the Advalytix support for a tool or get one from your nearest tool supplier.
- Carefully pull the power supply without canting to remove it from the cycler module.
- Use the original carton box to ship the power supply.
- To add the power supply first insert new TX8 countersunk head screws into the drilled holes. Then plug it to the back side of a cycler module and tighten the screws carefully.

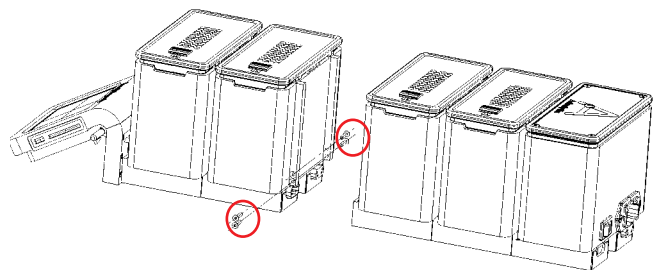
## Removing and adding the display

- Unscrew the lens head TX8 screws (Fig. 1) connecting the display with the cycler module on both sides with an appropriate torx key. ASC400D and all extension units have been delivered with a TX8 tool. For ASC100D and ASC200D either contact the Advalytix support for a tool or get one from your nearest tool supplier.

- Carefully pull the display without canting to remove it from the cycler module.
- Use the original carton box to ship the display.
- To add the display first insert new TX8 lens head screws to the drilled holes. Then plug it to the front side of a cycler module and tighten the screws carefully.

## Removing and adding a cycler module

*Figure 2: Side view of an AmpliSpeed ASC400D assembly. The red circles indicate the positioning of the TX8 screws fixing the cycler module.*



- Unscrew the TX8 screws (Fig. 2) connecting the cycler module to either a display, another cycler module or a power supply on both sides with an appropriate torx key. ASC400D and all extension units have been delivered with a TX8 tool. For ASC100D and ASC200D either contact the Advalytix support for a tool or get one from your nearest tool supplier.
- Carefully pull the cycler module without canting to remove it from its adjacent module.
- Use the original carton box to ship the cycler module.
- To add the module first insert new TX8 screws to the drilled holes. Then plug it to the adjacent module and tighten the screws carefully.

*Note: Cycler modules and power supplies are mounted with countersunk head screws. Displays are mounted with lens head screws. Do not use other screws than recommended. Especially the display module will get damaged if fixed with the wrong type of screws.*

## Customer Support

In case of any questions please contact the Advalytix customer support.

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