



Long Road Racing

2668 Peachtree Road, Statesville, NC 28625

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Global MX-5 Cup Car Technical Service Bulletin #05-23-2018D

Optional: Global MX-5 Update: Polycarbonate windscreen and support

This TSB describes:

- To reduce the cost of glass windshield replacements, a more durable polycarbonate replacement (0000-07-5116-PT) and window brace (0000-07-5116-BR) have been developed. Note: The total weight of the glass and polycarbonate windscreen with the window brace are identical. There is no competitive advantage of one over the other.

Installation:

1.0 General:

1.1 Safety:

- 1.1.1 Follow all industry standard safety procedures.
- 1.1.2 Follow specific manufacturer safety procedures when available.

1.2 Intended Use:

- 1.2.1 These Instructions are intended to be used to install the 0000-07-5116-PT Polycarbonate Windscreen and 0000-07-5116-BR Windscreen Brace to a complete Global MX-5 Cup Race car as built by Long Road Racing from the Mazda MX-5 ND Chassis.

2.0 Installation:

2.1 Remove factory glass windshield following industry standard procedures.

- 2.1.1 Remove all remaining adhesive from windshield frame, ensuring surface is smooth and flat.

2.2 Use polycarbonate windscreen as a template to mark all mounting holes for drilling. Proper alignment of the windscreen is critical, center windscreen before drilling holes.

2.2.1 Drill and de-burr all holes.

- 2.2.1.1 Install the 5 provided Riv-Nut inserts into the holes along the bottom of the windshield frame. These are used to allow installation and removal of windscreen without the need to remove the dash.

2.3 Trim dash to allow clearance for windshield brace and bracket.

- 2.3.1 Count over from passenger side of dash 13 spaces of defrost vent holes, and remove approximately 1" wide section to allow clearance for brace and bracket. See picture below



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- 2.3.2 Bend up factory metal bracket on dash bar to allow clearance for brace bar clamp. See picture below





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- 2.4 Attach brace support bracket to dash bar, do not fully tighten bolts at this time. See picture below



- 2.5 Install windscreen brace using supplied hardware
- 2.5.1 Brace will rest on bottom edge of windshield frame and attach with a bolt to the top of the windshield frame, then attach to support bracket.
- 2.5.1.1 Once all bolts have been started, and brace is located properly, final tighten all bolts.
- 2.6 Install polycarbonate windscreen using supplied hardware
- 2.6.1 **DO NOT OVER-TIGHTEN WINDSCREEN BOLTS** as this can cause cracking around holes.
- 2.7 Re-install all factory windshield garnishes



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