

## Direct Mount Adapter Instructions

The Direct Mount Adapter allows you to use direct mount front derailleurs on frames with standard seat tubes (31.8 or 34.9mm OD). We've designed two versions: one for use with frames with 100mm-wide bottom bracket shells (FS1322), and the other for use with standard 73mm-wide bottom bracket mountain frames (FS1323). The Direct Mount Adapter is compatible only with Shimano High Direct Mount front derailleurs. It is NOT compatible with SRAM S1, S2 or Shimano E2 derailleurs.

**WARNING:** Read these instructions completely before beginning installation of this product. If you lack the knowledge or tools to perform installation, please have your local professional bicycle mechanic perform the installation. Improper installation can result in loss of control or damage to the bicycle and/or serious injury or death to the rider.

### TOOLS:

4 & 5mm hex wrench  
Torque wrench

### INSTALLATION:

- Loosely attach the derailleur to the Direct Mount Adapter using the bolt provided with the derailleur and a 5mm hex wrench (fig. 1)
- Attach the clamp to the frame using a 4mm hex wrench (fig. 2). For 31.8mm outer diameter seat tubes, use the included shims. Snug the clamp bolt, but don't tighten it fully yet
- Align the derailleur according to the manufacturer's instructions. As a general rule, the derailleur should be parallel to the chainrings and should sit about 1mm above them (fig. 3). Check manufacturer specifications
- Fully tighten the clamp bolt. Torque: 4-5 Nm
- Fine-tune your derailleur height using the derailleur bolt (fig. 4). When finished torque the derailleur bolt to manufacturer's specifications



Figure 1



Figure 2



Figure 3



Figure 4

## Limited 2-Year Warranty

This Problem Solvers product is warranted against defects in materials and workmanship for two (2) years, from the original date of retail purchase by the consumer, subject to the limitations detailed below. This limited warranty is expressly limited to the repair or replacement of the original product, at the option of Problem Solvers, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the Problem Solvers product and is not transferable. In no event shall Problem Solvers be liable for any loss, inconvenience or damage, whether direct, incidental or consequential or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to this product except as set forth herein. This warranty does not cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence or experience of the user.
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents or anything other than normal use
- Damage or deterioration to the surface finish, aesthetics or appearance of the product
- Normal wear and tear
- Labor required to remove and/or refit and re-adjust the product within the bicycle assembly

This warranty gives the consumer specific legal rights, and those rights and other rights may vary from state to state.