



PLEASE READ FULLY BEFORE INSTALLATION: *If you ride on rough roads and want to quiet your pack's zipper pulls, please go to darkspeedworks.com/zippertips.htm for info on installing the optional zipper dampeners (inside small ziplock bag).* -- When installing your Speedpack 480D or 483D, the mounting bolts and washers should already be in place on the pack, ready for mounting. (But if not, take each bolt and first put on the small alloy washer and then add the large nylon washer--all of the included washers *must* be used for proper installation of the pack. Next, from the inside of the pack, insert the bolts with their associated washers through the holes in the plastic pack insert and then through the pre-cut holes in pack's rubberized bottom panel.) Without getting any lube on the Speedpack, *very lightly oil the bolt threads* and then use a 4mm allen key to screw the Speedpack's bolts into the top tube bolt bosses on your bike. Tighten the two Speedpack bolts so they are snug, but do NOT over-tighten them.

IMPORTANT -- Tightening Force: While the Speedpack's M5 mounting bolts are very strong, they are made of super light 7075 aluminum alloy, so it's important not to over-tighten them. Excessive tightening force can easily strip the alloy bolts and/or damage your bike frame. You should not have to use high levels of tightening force to screw in the bolts and they only need to be "firmly snug" to hold the Speedpack securely.

IMPORTANT -- If You Have a Problem: If one or both of your frame's top tube bolt bosses prevent the Speedpack's bolts from threading in easily, **STOP** and do NOT forcibly screw the bolt into the hole. Instead, fully remove the Speedpack and then use a steel M5 metric bolt to test the problem boss. With the Speedpack off, and without using excessive force, try to screw the steel M5 bolt into the frame's problem bolt hole. If the bolt screws in easily and fully and clears out the obstruction, remove the steel bolt, and then mount the Speedpack normally using its included alloy bolts. However, if the steel bolt resists being screwed in easily or requires significant force to tighten, do NOT continue to tighten it. Forcing a bolt into a blocked or poorly-threaded bolt boss on your frame may result in permanent damage to your bike. Instead, **STOP** and take the bike to your dealer and ask them to troubleshoot the problem.

After you have successfully installed your Speedpack, take your bike out for a few test rides, checking each time to ensure that the pack is still securely mounted. After your test rides, use a 4mm allen key to check that the alloy mounting bolts are still "firmly snug", but again being careful to avoid over-tightening them.

This Speedpack is best used to carry lighter and/or frequently used items such as gels, nutrition bars, a wallet or ID, a small mobile phone, a spare tube, etc. Avoid using the pack to carry heavy items like bulky metal tools, etc. Avoid filling the pack with so much cargo that its exterior shape becomes distorted. While the pack materials are strong enough to hold large loads, the pack will lose its streamlined shape when overfilled. The Speedpack 480D/483D is designed to mount to a bike frame's integrated top tube storage bosses. Using this pack on frames without top tube storage bosses or mounting the pack in other locations on your bike risks damage or loss of the pack and may present a hazard to the rider.

SP 480D/483D