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1997-2003 Triumph Daytona & Speed Triple

Item 42: Front Brake Master Cylinder and Brake Line Upgrade Kit

Installation Instructions

Parts List:

One 5/8" Front Brake Master Cylinder (FBMC).
One Stainless Steel Front Brake Hose.
Seven Compression (sealing) Washers.

Tools & Materials List:

Rear stand; torque wrench; socket set; combination wrench set; Socket (Allen) head set; Screw driver both straight and number 2 Phillips; grease; D.O.T. 4 Brake Fluid; Brake Bleeder Kit.

Precautions:

A brake failure can be fatal so if you are not certain of any of these steps seek expert help. Use a rear stand as minimum and if you have a front stand use that as well during installation. Make certain that the entire assembly is not leaking and purge all air from the hydraulic system before take off. Use all new compression or sealing washers provided in this kit. Double check that all mounting hardware is tight and torque to factory specifications. Use only D.O.T. 4 Brake Fluid. Do not have brake fluid come in contact with any painted surface or it will dull or even remove the paint. Have rags, plastic wrap and water ready just in case the brake fluid does make contact with any part of the motorcycle. If you do have a spill immediately saturate the area with water to mitigate possible paint damage. Position rags and plastic wrap in the area where the work will take place for added protection during the installation process. Have cardboard on the floor where you will be doing the work.

Front Brake and Hose Install Steps:

1. Remove the seat and disconnect the black negative lead.
2. Remove front brake lever (screw driver & 10mm) and store for later use.



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3. Loosen banjo bolt that secures the front brake hose 1/8 turn (14mm or 9/16") and tighten back just enough to be able to get the hose off with ease during step 6 below. Note: Have rags in place since it will weep brake fluid.



4. Remove front brake fluid reservoir by removing one bolt (8mm). You can pinch the brake hose to stop the brake fluid from escaping and now remove the reservoir with the fluid in place and then place the reservoir upside down for later use. Note: Have rags in place since it will weep brake fluid and temporarily cap the end of the exposed hose so that you do not spill any brake fluid or introduce contaminants into the fluid.



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5. Disconnect and the two push terminal wires and remove front brake switch (#2 Phillips). Remove your existing OEM 14mm FBMC (8mm Allen) by taking the front brake hose (14mm or 9/16") off. Use brake bleeder kit or rags to cover FBMC hose nipple to prevent spilling brake fluid. Note: The single banjo bolt will need to be used on the right brake caliper.



6. Grease the new 5/8" FBMC three places where the front brake lever makes contact. Install front brake switch on the new 5/8" FBMC (#2 Phillips) and reinstall the two push terminal wires.



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7. Install the new 5/8" FBMC back in place on the handle bar (8mm Allen). Note: the arrow marking goes up and torque to 15Nm.



8. Install front brake lever (screw driver & 10mm) that was removed during step 2 and torque pivot bolt to 6Nm then the nut to 1Nm.



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9. Remove the double banjo bolt that is currently on the right caliper store it for use later on the new 5/8" FBMC in step 11. Install the single banjo bolt with two compression washers on the right caliper and hand tighten only. Note: the single banjo bolt was the one that was originally used on the OEM 14mm FBMC but will now be used for the right caliper.



10. Remove the short brake hose that crosses over the top of front mudguard (14mm or 9/16"). You will be discarding OEM short brake hose and replacing with the new equal length hose provided in this kit. Note: Have rags and plastic wrap in place since it will weep brake fluid.
11. Locate the double banjo bolt and install both brake lines to the new 5/8" FBMC using three new compression washers and hand tighten. Place the new left brake hose in front of the lower triple clamp and right brake hose behind the triple clamp, as previously assembled.



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12. Now install the new brake hose on the left caliper using two new compression washers and hand tighten.



13. This is the fine-adjustment process. You need to position the brake hoses to eliminate any binding and verify that the hoses have strain relief when the front wheel is fully expanded. This is where a front wheel stand comes in handy but you can lift the front wheel by other means to make sure you have strain relief at full front fork travel. Once hose position is verified torque the banjo bolts three places to 25Nm (14mm or 9/16"). Note: All banjo bolts are fastened to 25Nm.
14. Install brake reservoir that was removed in step 4 and torque bolt to 7Nm (8mm). Note: Be careful and minimize the brake fluid leakage.



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15. Install brake bleeder kit to the left side brake caliper purge valve. Bleed brakes to remove all air. Note: Brake fluid level must be monitored in the reservoir and kept above the minimum line at all times.
16. Install brake bleeder kit to the right side brake caliper purge valve. Bleed brakes to remove all air. Note: Brake fluid level must be monitored in the reservoir and kept above the minimum line at all times.



17. Repeat steps 15 and 16 one additional time to make absolutely certain all air has been purged from the lines. Note: Brake fluid level must be monitored in the reservoir and kept above the minimum line at all times.
18. A brake failure can be fatal so check your work before take off ! Verify all fasteners are tightened and make absolutely certain you do not have any brake fluid leaks. Verify brake fluid level in the reservoir and install locking screw and bracket (#2 Phillips) to fasten the cover in place. Turn the bars left to right to make sure there is no binding. Verify that the hoses have strain relief when the front wheel is fully expanded. Adjust levers controls to original settings. Re-connect black negative lead to the battery and re-install the seat. Take a short test ride and double check your work.

Warranty and Remedy:

Skyking hereby warrants that at the time of delivery thereof the parts bought will be free from defects in material and workmanship and will conform to the requirements the order. Skyking assumes no liability for faulty or improper installation or use. All claims under this warranty must be made in writing to Skyking. Upon receipt of authorization from Skyking, the parts claimed to defective or non conforming must be returned freight prepaid, to Skyking. Skyking will repair, or its option, replace any defective or non conforming parts and will return the repaired part or its replacement without charge. The failure to give Skyking written notice of any claim hereunder within the warranty period shall constitute a waiver of all claims hereunder. The foregoing states Skyking's remedy for any breach of warranty and for any claim whether sounding in contract or tort, based upon any defect in Skyking's parts. This warranty does not extend to the parts that have been altered or repaired nor does it extend to parts that has been subjected to misuse, neglect, accident, or improper installation. Skyking shall not, in any event, be liable for any incidental or consequential damages nor for any other damages more than the purchase price for the part. By accepting and or installing this item you fully agree to the terms and conditions of the warranty. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WRITTEN, ORAL, OR IMPLIED, INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.