



OG Softail 18+ T-Sport Fairing Kit Installation-1.1

1. Before you start your new fairing kit installation, you will need to remove your stock headlight visor & complete headlight assembly. Please refer to service manual if needed. Before unplugging your stock headlight, we recommend removing your masters fuse located under the left side cover. Keep all the stock hardware, you will need some later during the installation.
2. Unpin your headlight connector inside your stock headlight bucket. Please note the wiring sequence if you don't have access to a service manual. Reassemble the connector outside the bucket. The wiring harness pre-installed in your new headlight bucket will connect directly to it. Refer to picture below. Remove your stock headlight bucket & headlight bracket from your bike.



3. With a 27/64" or 7/16" metal drill bit, drill to open up the lower headlight bracket hole located on your lower triple tree. This can be done easily using any hand held battery drill. This will allow you to use the included & more sturdy hardware.
4. Loosen your handlebar risers bolt under upper triple tree until you have enough space to slide under the washer your upper fairing mount.
5. Install upper fairing mount. You don't have to slide it down completely however you must tight it where the stock washers make full contact on the upper bracket (it can be adjusted to give either more lean to the fairing or give yourself more clearance for various accessories). Torque back your stock riser bolts. Recommended Torque 30-40 ft-lbs. Refer to picture below.

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6. Install the supplied headlight bracket kit under your lower triple tree & your lower fairing bracket on top of it according to pictures below using supplied hardware. Lock it down tight by hand. Refer to picture below.



7. Install your fairing shell onto lower and upper fairing mounts using supplied $\frac{1}{4}$ -20 hex bolt (4x), locknut (4x) & washers (8x – one on each side). The fairing shell brackets (Left & right) go on the inside of the upper & lower fairing mounts. Put the nut on, facing the rear of the bike. Also be carefull not hitting your tank with your key/ratchet while you thigh it down. Recommended Torque 15 ft-lbs.

Note. The inner fairing brackets are already tight onto the fairing shell. Do not re torque them.

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8. Install & plug your new 5.75" LED Headlight into the supplied 5.75" Headlight bucket. Install your headlight bucket onto your round headlight conversion lower bracket using supplied 3/8 -16 hex bolt, washers (2x) & lock nut. Recommended Torque 15 ft-lbs. Refer to picture below.
9. Make sure the headlight bucket is placed so it is not contacting the fairing shell. This will create vibration when riding.



10. Plug the new Headlight 4 pin connector into the OEM Delphi connector. At this point you can re install your master fuse on your bike.
11. Install the pre assembled T-Sport Fairing Billet Windshield Arms (2x) onto the inner fairing brackets using supplied 1/4-20 hex bolt (4x), locknut (4x) & washers (8x). Install in place but leave the arms enough loose so you are still able to play with both arms in order for you to install the windshield more easily. Refer to pictures below.

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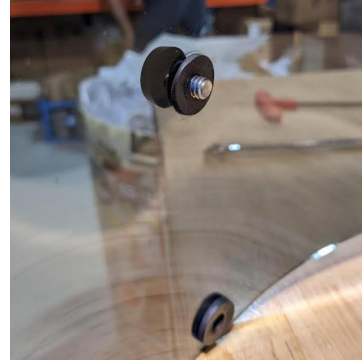


12. Insert larger rubber grommets (2x) inside lower windshield mounting holes & Rubber-Coated Brass Insulating Rivet Nut (2x) inside the fairing shell lower windshield mounting holes. Refer to pictures below.



13. Using some blue threadlocker, pre install through your windshield the upper windshield hardware so it hold onto the screen with the supplied rubber washers in the back of the shield. Refer to pictures below.

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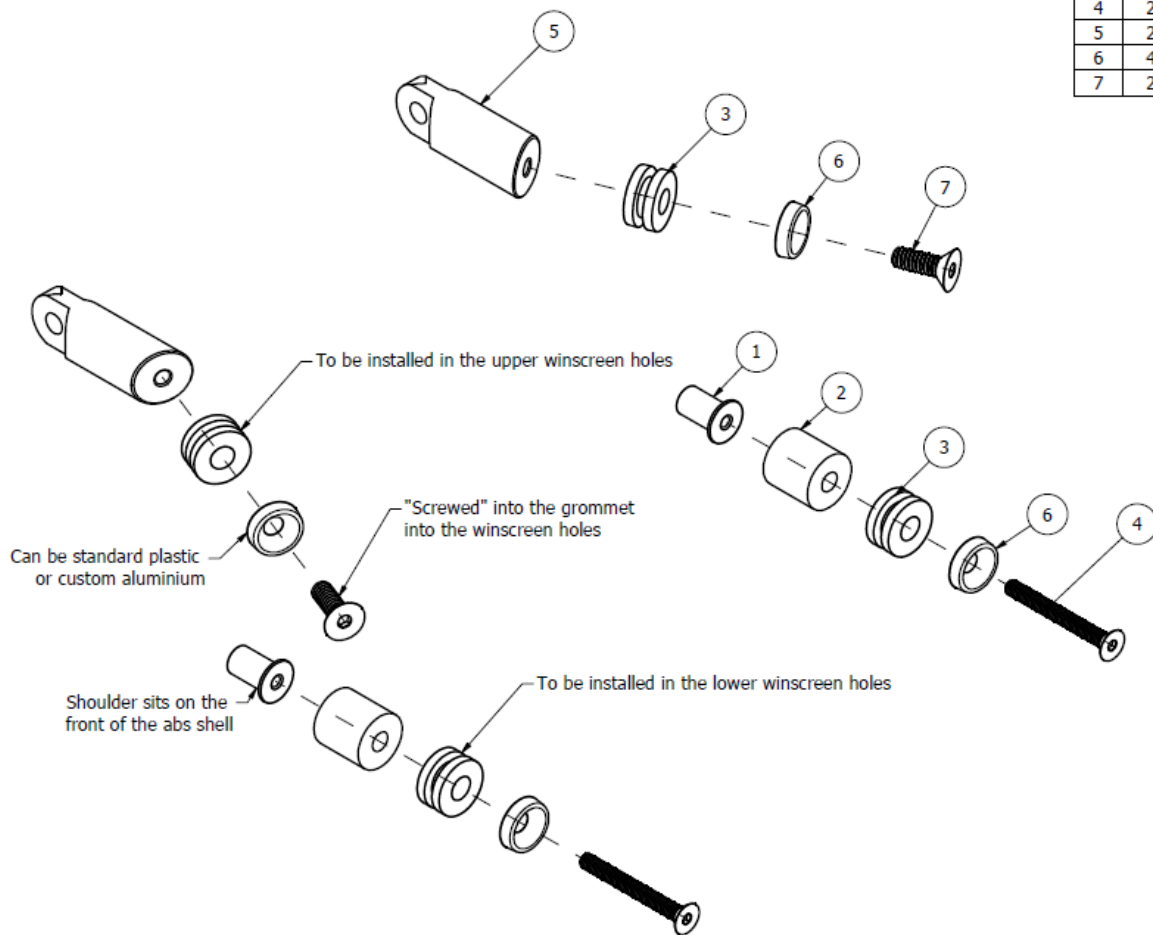


14. Install your windscreen using supplied hardware. Start by threading the lower 2x 10-32 x 1 3/4" long Flat Head Cap Screws on the bottom two holes. Use the anti buffeting spacers between the windshield & fairing shell (Cut down to desired height if needed for better riding experience). Once the bottom is attached. Align the upper arm with the top windshield holes & thread in both 1/4-20 flat head screw with the loose billet arms. Refer to schematic below for proper installation. Do not tight it yet, you will still need some play to adjust your windscreen correctly.



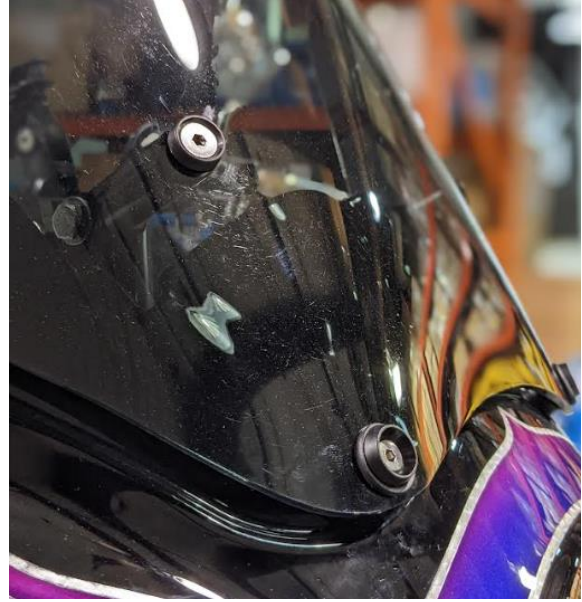
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PARTS LIST			
ITEM	QTY	DESCRIPTION	MATERIAL
1	2	Rubber-Coated Brass Insulating Rivet Nut	Rubber
2	2	LDPE Unthreaded Spacer	ABS Plastic
3	4	SBR Rubber Grommet	Rubber
4	2	FHCS10-32X134S	Stainless Steel
5	2	OG billet arm	Aluminum 6061
6	4	Nylon Plastic Countersunk Washer	Plastic, Opaque Black
7	2	FHCS1420X34S	Stainless Steel



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15. When you're happy with your windshield position, Hand Tight the bottom (2x) 10-32 screws until they're fully threaded against the black Nylon countersunk washer. Using a torque wrench to tight the top (2x) ¼-20 screws to max. 12-15 lbs-po. The windscreen should be well secured. DO NOT OVERTIGHT, the windscreen will end up cracking prematurely.



16. Once the windscreen is well installed. Tighten the (2x) Billet arms assembly to recommended Torque; 15 ft-lbs.
17. Wait ~24h for the threadlocker to dry before riding & enjoy your new T-Sport Fairing Kit!!!



Note: You can always adjust your headlight vertical position to improve lighting & your windshield angle to improve comfort at any time. For the Dark smoke screen, a simple polish will make the small scratch disappear after a good year of use;