

# Ford Ecoboost F150 Turbo Blankets

## 8F3650 – Ford Ecoboost F150 Turbo Blankets

F1503.5, 3.5 HO, F150 Raptor 2017 - 2019



Congratulations on your purchase of the COBB Tuning Raptor Turbo Blankets! The following instructions will assist you through the installation process. Please read them BEFORE beginning the install to familiarize yourself with the steps and tools needed. If you feel you cannot properly perform this installation, we HIGHLY recommend you take the vehicle to a qualified and experienced automotive technician.

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## Parts List

- Left side turbo blanket
- Right side turbo blanket
- (4) Springs
- Stainless wire

## Tools Needed

### Sockets

3/8"

- 3/8" ratchet
- 3/8" 7mm socket
- 3/8" 5.5mm socket

### Hand Tools

- Trim removal tool
- Pick

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## Wheel Liner Removal

1. Park your car in a flat level area. While removing the wheels or jacking it up aren't necessarily required, it gives you a lot more space to work in so doing those things can remove much of the frustration from the job.
2. Starting with a 7mm socket, remove the 4 bolts aiming upward holding the fender flare to the body.



3. Gently lift upward and out to remove the fender flare from the fender. While removing the clips is ideal, you can also lift upward to simply pop the yellow clips out of the flare which in some cases can be easier.



4. Using your fingers or a pick, remove the wiring for the side marker and set the fender flare somewhere safe.



5. Pull out your 5.5mm socket and remove the series of screws holding the fender liner in.



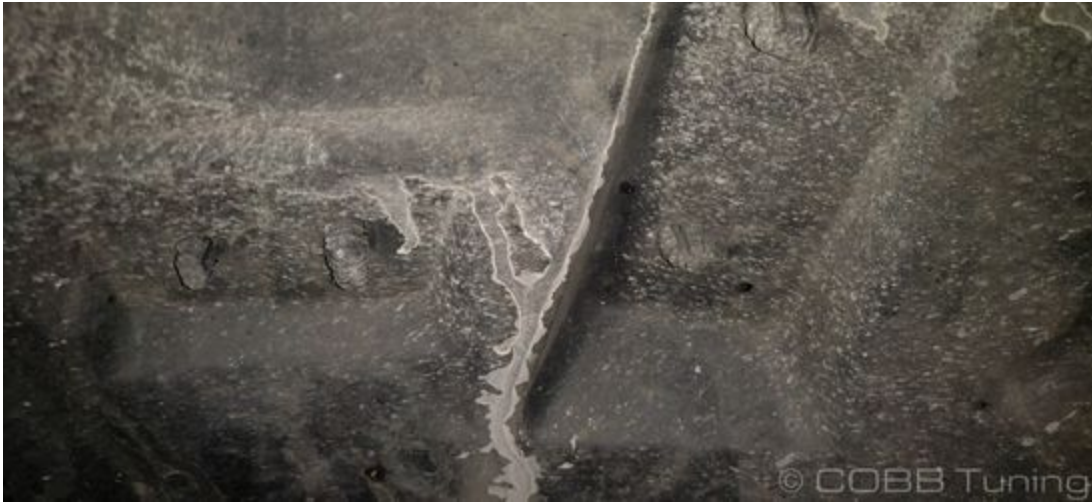
6. Remove the three push clips in the liner as well as the one clip in the front that you'll need to unscrew to get the plastic to release.



7. The liner can come out at this point and be set aside. You'll need to twist it a little bit in order to remove it from the weird bump on the front holding it in place.



8. On the driver's side you'll need to undo the push clips holding some wiring in place.



9. If any yellow clips remain, use your fingers, the trim tool or some pliers carefully squeeze the yellow clip ends and remove them from the bodywork. You can slip them back into the flare.



10. At the bottom corner theres a round clip that also needs to get removed and added in to the flare as well.





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## Blanket Install

1. Attach a spring to the back forward side corner of the blanket. (The side without the finger poking upwards this is the **driver's side** pictured)



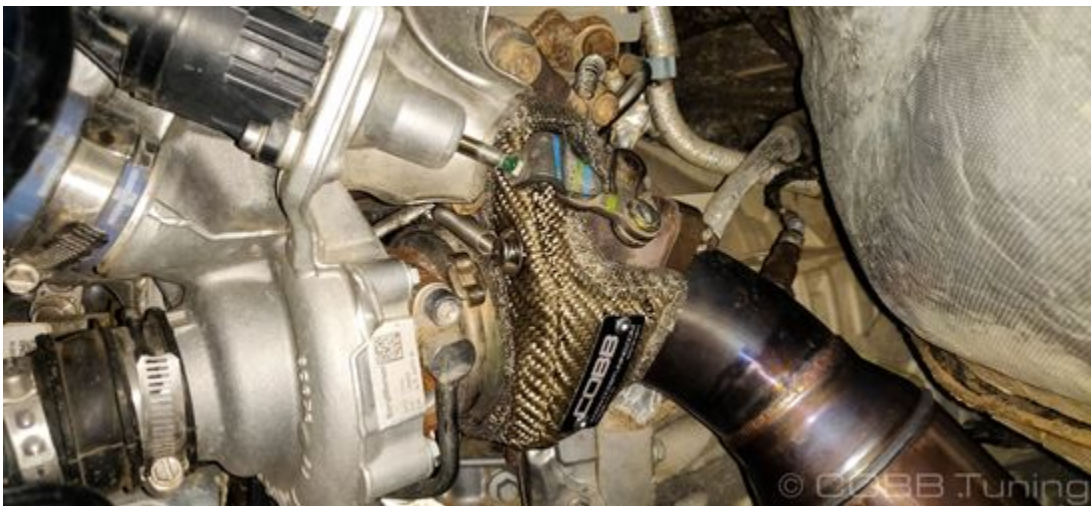
2. Using the provided wire or a random dog leash like we had lying around, fish through the turbo around the back side looping it around the spring before pulling it through slowly.

Do not pull it hard. While there will be some resistance it's possible for things to get stuck behind the turbo. There's a reasonably sized "slot" around the center section of the turbo through which it can be pulled. The goal is to get the spring and lug into that slot.



3. Slip the front side under the wastegate arm and attach the spring over the top. As well as the one attached to your pulling device to the one on the other side of the center housing.





4. Once that's around wiggle the blanket so it's situated correctly. You want to make sure things aren't bunched up under the wastegate arm blocking it's motion.
5. You're all done! You can put everything back together again. They will likely smoke on start up until they've been heat cycled a few times. This is normal.





Be careful if you need to remove the blankets as they can be torn easily.

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## Links

### Ford Raptor Map Notes

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