



FORD PERFORMANCE

M-6766-B27
2021-2022 Bronco 2.7L
Oil / Air Separator Kit

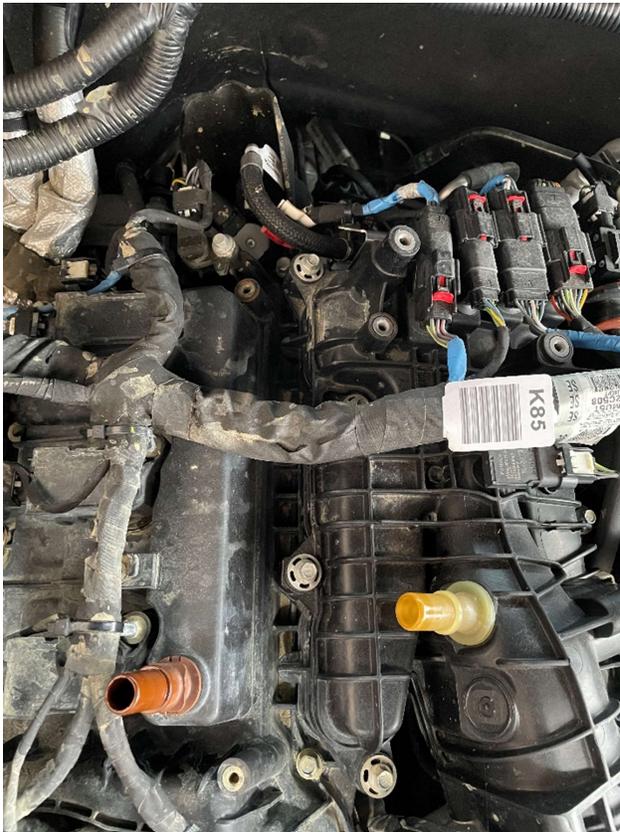
NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION OF FORD PERFORMANCE PARTS
© Ford Motor Company 2021

PRIOR TO INSTALLATION READ THESE INSTRUCTION COMPLETELY
For questions, Call the FORD PERFORMANCE Techline 1-800-367-3788

Please visit <https://www.performanceparts.ford.com> for warranty information

Kit contents:

- (2) CM-6766-A23R oil separator
- (1) CM-6K817-B27RL RH inlet PCV hose
- (1) CM-6K817-B27RU RH outlet PCV hose
- (1) CM-6K817-B27LL LH inlet PCV hose
- (1) CM-6K817-B27LU LH outlet PCV hose
- (1) CM-BRKT-B27L bracket
- (1) CM-BRKT-B27R bracket
- (2) W506856-S439 LH bracket fastener
- (2) W714962-S437 RH bracket fastener



If your vehicle is equipped with the Orange colored connector, gently pry upward on the bottom of the connector (2 screwdrivers on either side works best) to break the connector from the camcover spigot. This breakage is normal as the connector is considered not serviceable.

If the Grey colored connector, simply pull back the small tab to release connector from its spigot.



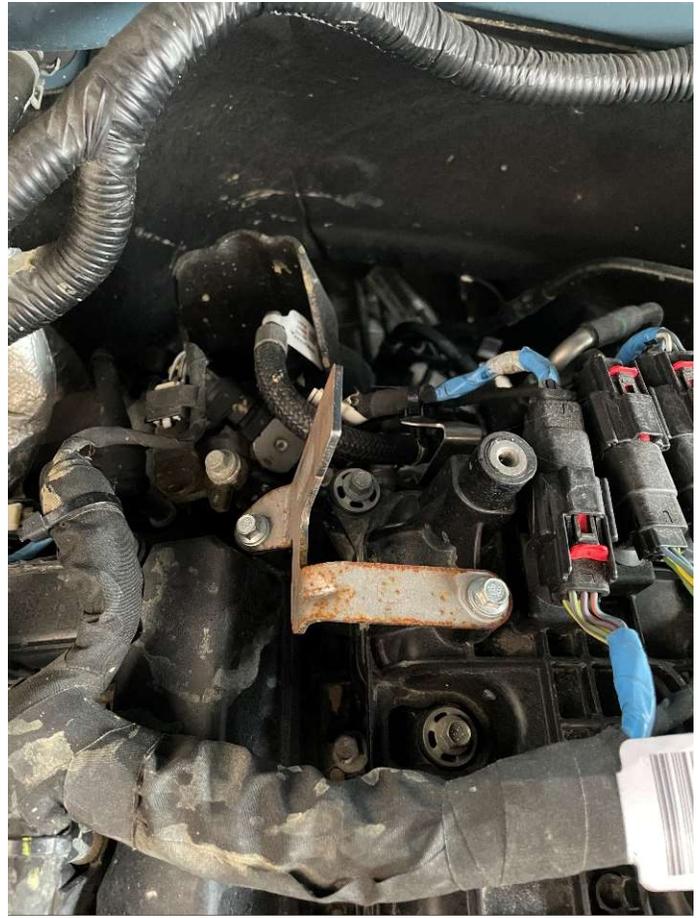
Ford Factory Shop Manual purchase options www.motorcraftservice.com



FORD PERFORMANCE

M-6766-B27
2021-2022 Bronco 2.7L
Oil / Air Separator Kit

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION OF FORD PERFORMANCE PARTS
© Ford Motor Company 2021



Locate the two bolt bosses indicated in the illustration above. Attach the RH bracket to these bosses using (2) W714962-S437 bolts and torque to 10 Nm (88lbin).

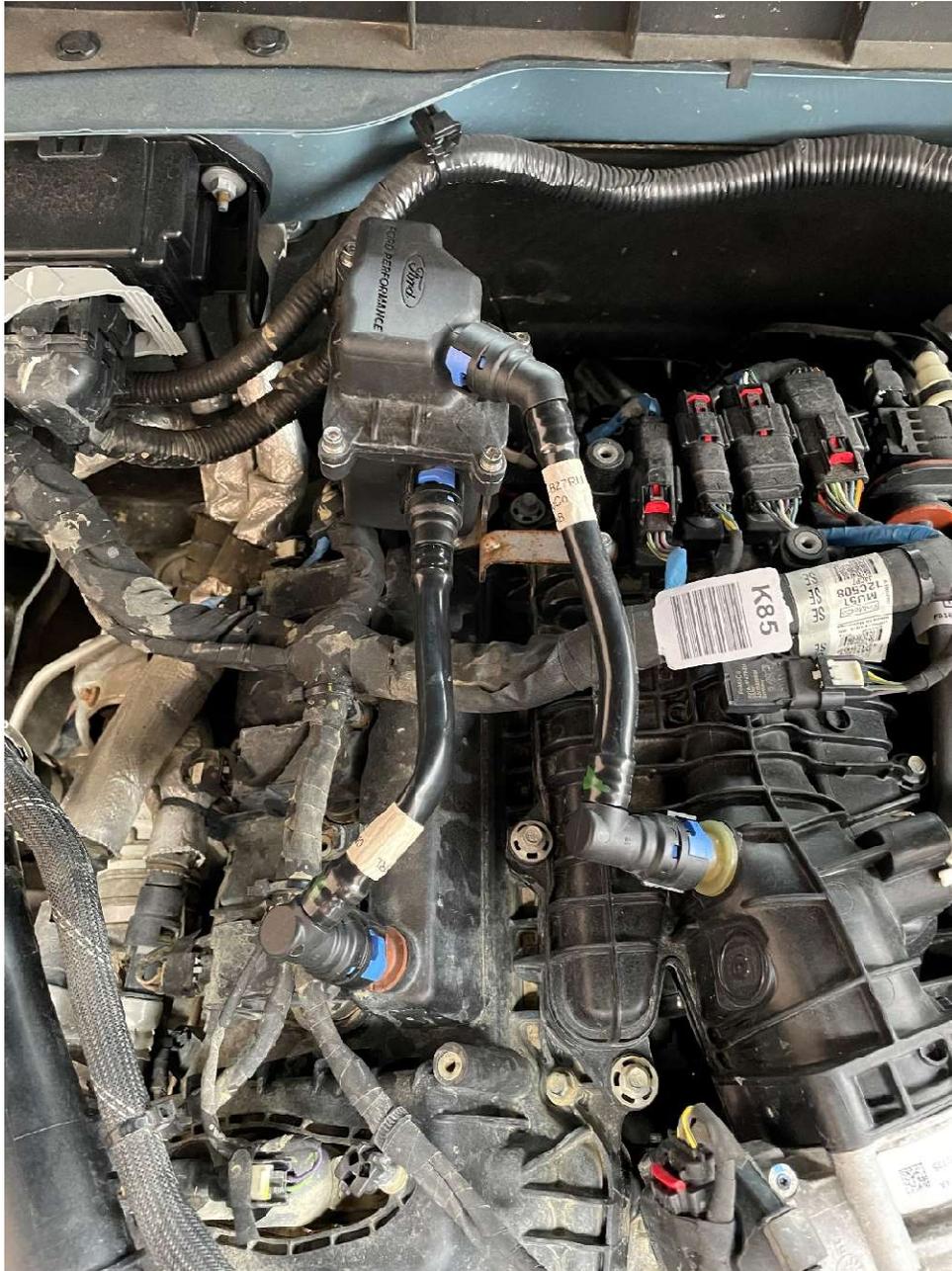
Ford Factory Shop Manual purchase options www.motorcraftservice.com



FORD PERFORMANCE

M-6766-B27
2021-2022 Bronco 2.7L
Oil / Air Separator Kit

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION OF FORD PERFORMANCE PARTS
© Ford Motor Company 2021



Firmly slide oil separator onto bracket tab. Lubricate inside of PCV connectors with thin film of oil and snap onto camcover, oil separator, and induction tube spigots. Make sure to install completely, looking for blue tab on connector to be locked.

Ford Factory Shop Manual purchase options www.motorcraftservice.com



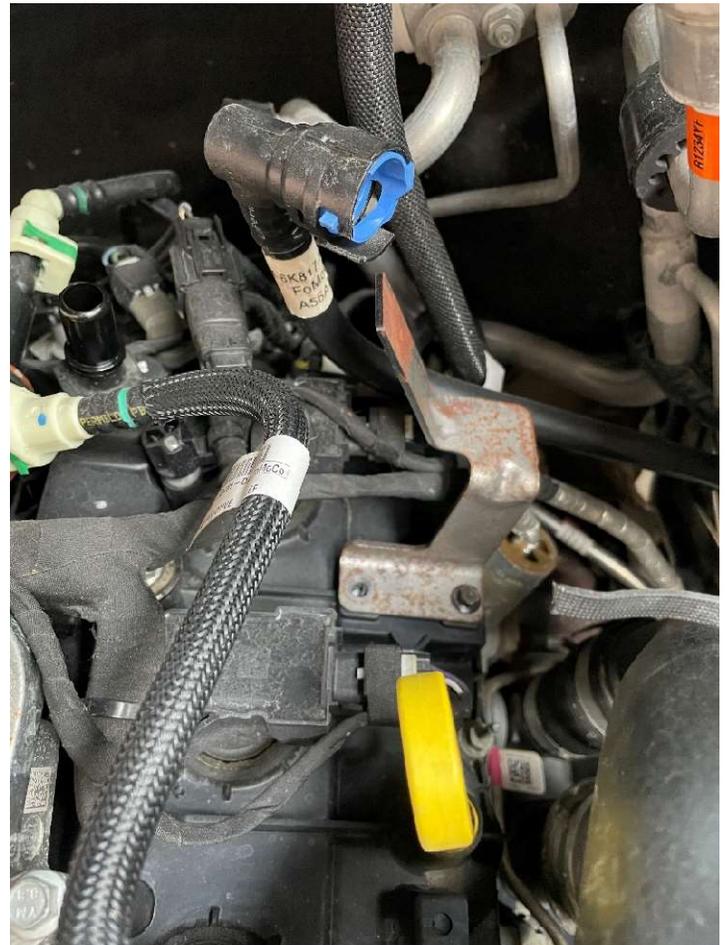
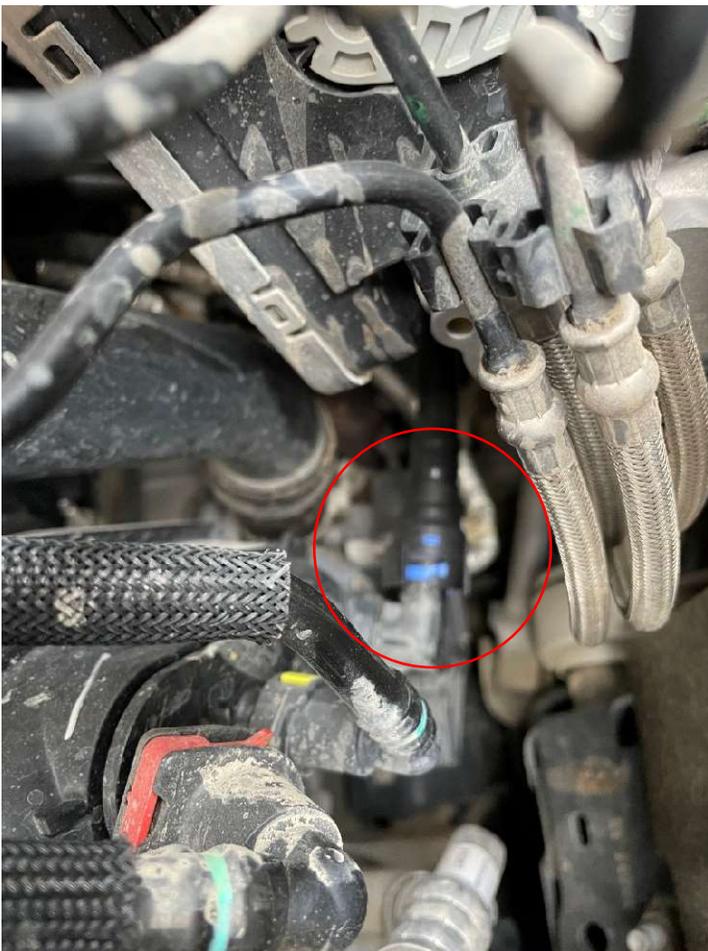
FORD **PERFORMANCE**

M-6766-B27
2021-2022 Bronco 2.7L
Oil / Air Separator Kit

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION OF FORD PERFORMANCE PARTS
© Ford Motor Company 2021

Remove LH PCV tube from camcover and lower spigot near turbo. If Orange connectors, use breakage method like RH side.

Lightly lubricate inside of new PCV tube connectors and attach on spigot near turbo, making sure of a firm locked position.



Install LH bracket using (2) W506856-S439 thread-forming screws and torque to 8.5Nm (75lbin). **TIGHTEN BY HAND ONLY, DO NOT USE PNEUMATIC OR ELECTRIC TOOLS.**

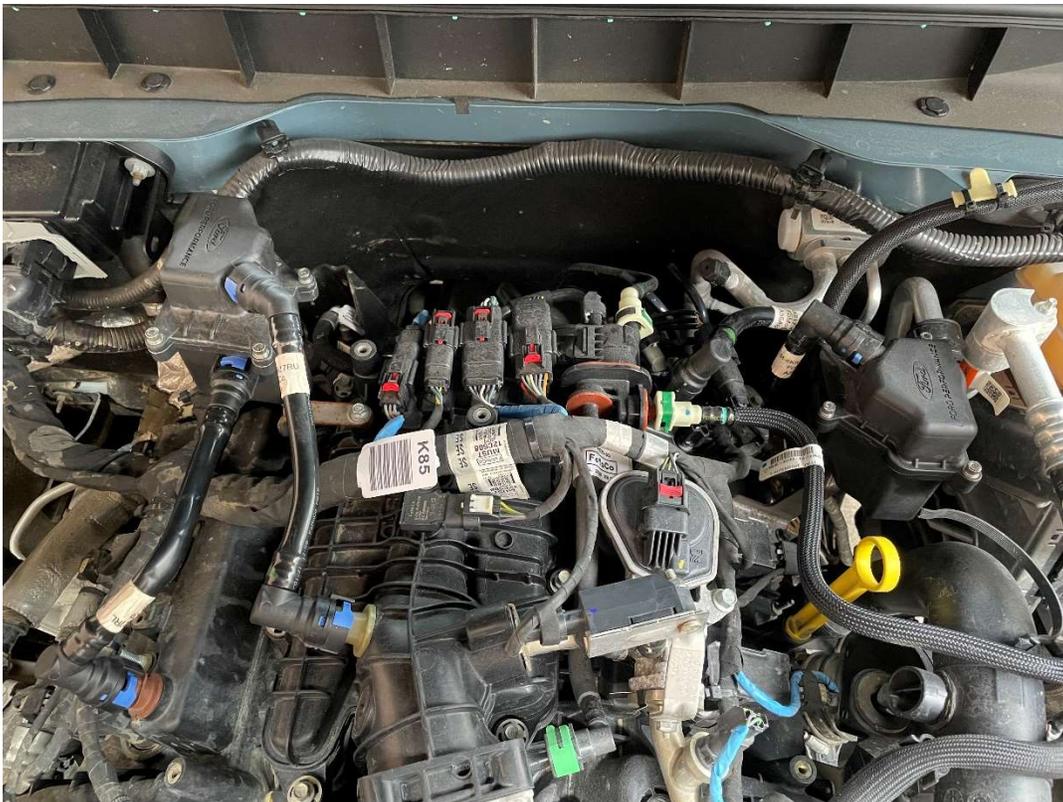
Ford Factory Shop Manual purchase options www.motorcraftservice.com



FORD PERFORMANCE

M-6766-B27
2021-2022 Bronco 2.7L
Oil / Air Separator Kit

NO PART OF THIS DOCUMENT MAY BE REPRODUCED WITHOUT PRIOR WRITTEN PERMISSION OF FORD PERFORMANCE PARTS
© Ford Motor Company 2021



Ford Factory Shop Manual purchase options www.motorcraftservice.com