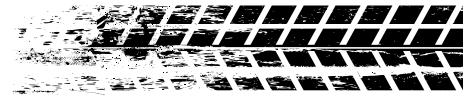




INSTALLATION INSTRUCTIONS



Part # 12299507



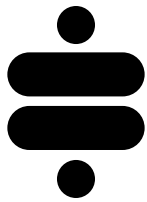
Payload Sensor Bracket Kit Stock Upper Control Arms

2021-2026 F-150 2WD/4WD

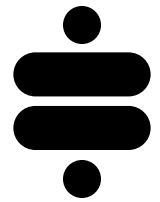


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**Please Read And Understand All Instructions
And Warnings Prior To The Installation Of
This Product.**



THANK YOU

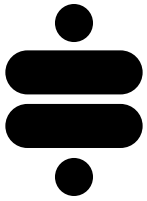
Congratulations on your new Ridetech product! It's an honor that you've selected the Ridetech brand to upgrade your ride. Our products are developed around quality and performance without compromise. We're confident you'll have many years (and miles) of pure driving enjoyment.
Thank you for choosing Ridetech!

Road Map

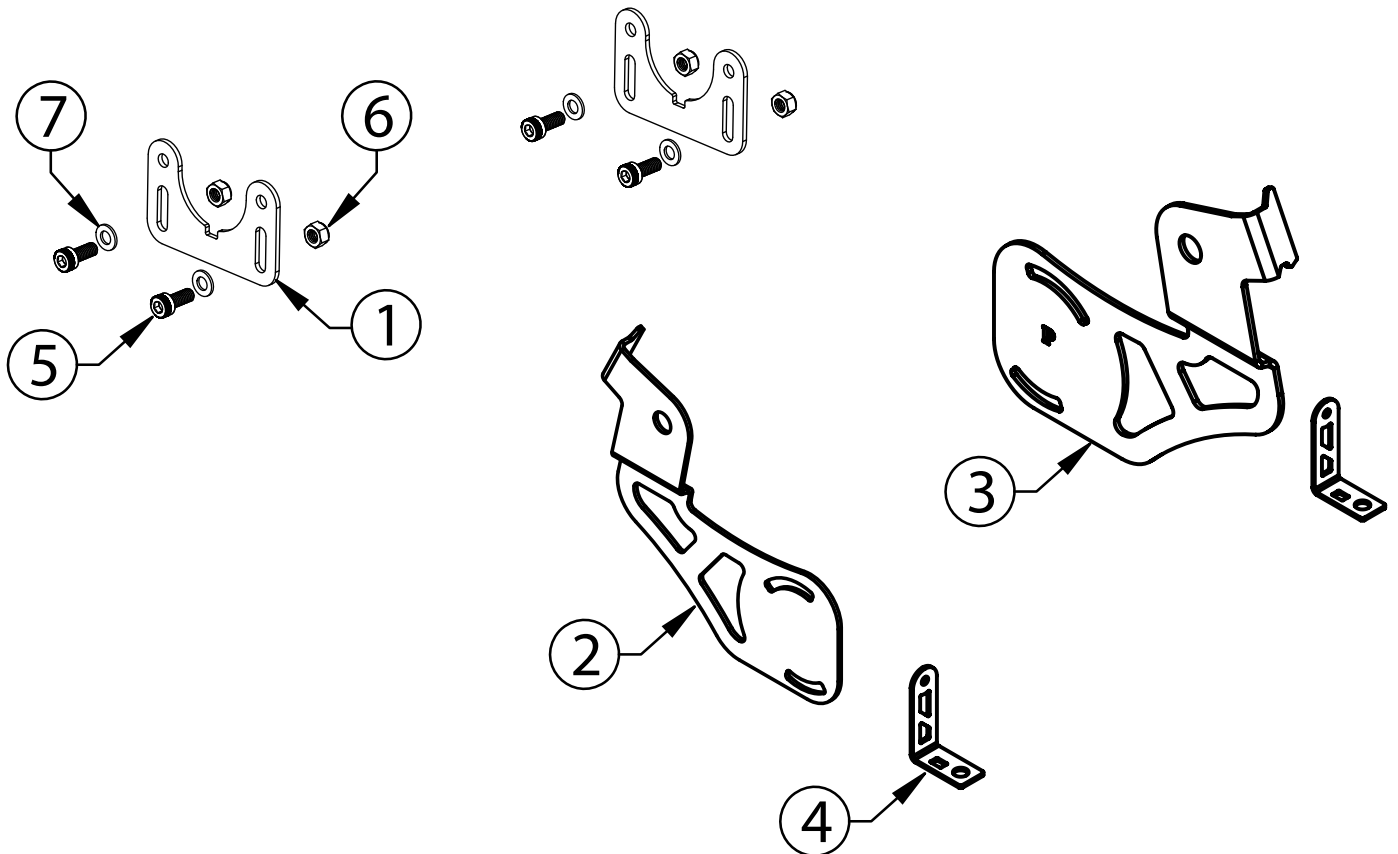
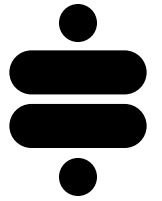
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THESE PAYLOAD SENSOR BRACKETS ARE ONLY REQUIRED ON 2021 AND NEWER TRUCKS WITH FOUR SENSORS. NOT EVERY 2021 F150 WILL HAVE THE SENSORS.

INSTALL THE RELOCATION BRACKETS IN CONJUNCTION WITH THE LOWERING KIT.



EXPLODED VIEWS AND PARTS LISTING



Item #	Part #	Description	Qty
1	70017835	Front Headlight Sensor Bracket	2
2	70015487	Rear Headlight Sensor Relocation Plate - Driver	1
3	70015792	Rear Headlight Sensor Relocation Plate - Passenger	1
4	70015489	Rear Headlight Sensor Axle Bracket	2
5	99051001	M5-.8 x 12mm SHCS	4
6	99052001	M5-.8 Nylok Nut	4
7	99053001	M5 Flat Washer	4

Front Sensor Relocation

1. Locate the headlight sensor near the front of the driver side upper control arm.
2. Disconnect the headlight sensor link and wiring connector and then remove the sensor along with the mounting bracket (Figure 1).

Once removed from the vehicle, remove the sensor from the original mounting bracket. **Retain the original bracket and mounting hardware.**

3. Using the original hardware, attach the new front bracket to the sensor module. The open side of the bracket should be facing up (Figure 2).
4. Before reattaching the OEM bracket, remove the hatched area shown in Figure 3.
5. Attach the OEM bracket to the new bracket using the supplied M5 bolts, washers and nuts (Figure 4).
6. Reinstall the bracket/sensor assembly and adjust for your new ride height. Repeat on the passenger side.

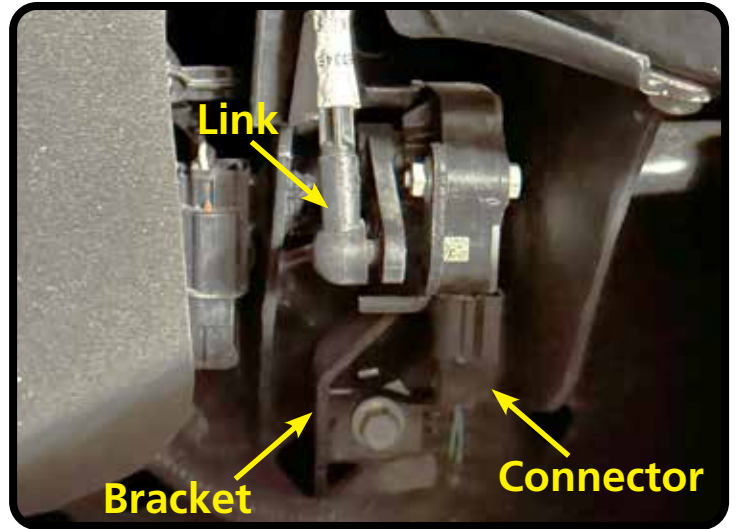


Figure 1



Figure 2

Trim Hatched Area

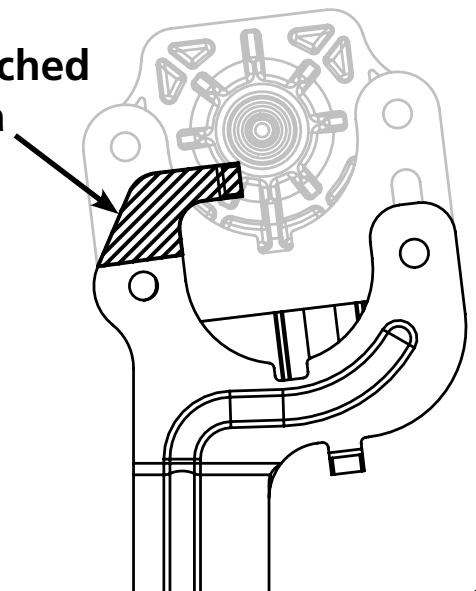


Figure 3

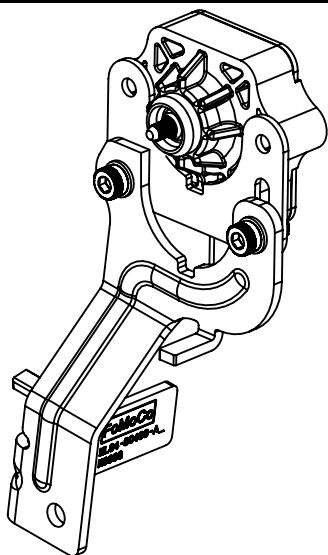


Figure 4

Rear Sensor Relocation

7. Disconnect the headlight sensor linkage from the Drivers side leaf spring mount. Remove the linkage bracket from the axle (Figure 5).

8. Remove the headlight sensor from the frame bracket. Disconnect the frame bracket from the frame (Figure 6). Retain the hardware for reinstallation.

9. Using the OEM hardware, install the frame bracket in place of the OEM bracket (Figure 7).

10. Reinstall the headlight sensor on the new bracket using the OEM hardware. The new bracket is slotted to allow for adjustment to set the headlights to your new ride height.



Figure 5



Figure 6

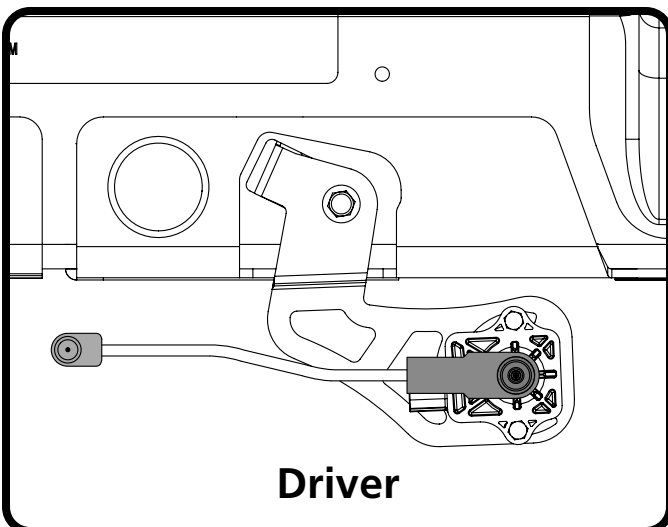


Figure 8

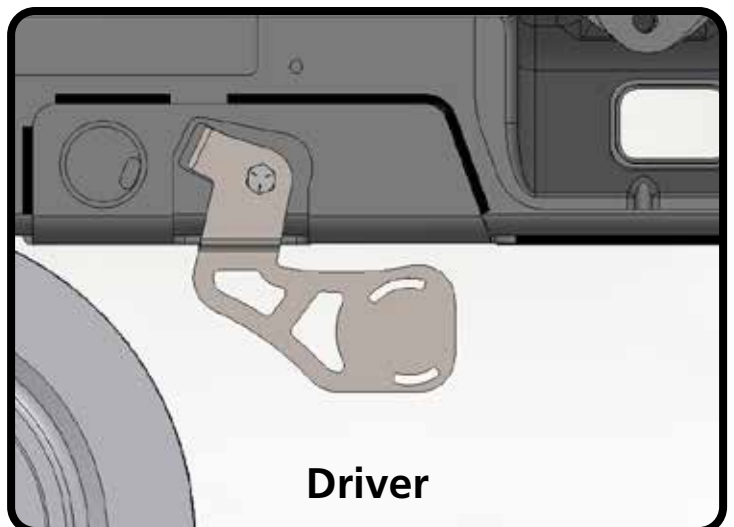


Figure 7

Rear Sensor Relocation

11. Remove the brake line bracket bolt from the rear of the drivers side leaf spring pad (Figure 9). Retain the hardware for assembly. If you are using the optional air spring leveling kit, a longer bolt is supplied.



Figure 9

12. The lower relocation bracket is positioned under the brake line mount. The tab of the brake line mount needs to be engaged with the bracket and leaf spring pad (Figure 10). Reinstall the OEM hardware if you're not running the air spring leveling kit. If you are using the air spring kit, use the M8-1.25 x 30mm bolt and M8 flat washer included with the air spring kit. Torque to **169 in-lbs**.



Figure 10

13. Reattach the sensor linkage to the new bracket (Figure 11).

14. The rear sensor will need to be adjusted for your new ride height.

15. Repeat on the opposite side. The installation process is the same.



Figure 11