



TN-19-33-001 R1 January 21, 2022		Tesla, Inc. Tech Notes
Model:	Vehicle System:	Region:
Model 3, Model Y	33 - Brakes	All

Tech Note: Brake Dust Shield Debris Removal


Tech Notes are announcements that help to communicate and track new information about Tesla Service concerns. Such concerns may or may not be VIN specific. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla assumes no liability for injury or property damage due to a failure to properly follow these instructions or for repairs attempted by unqualified individuals.

This Tech Note supersedes TN-19-33-001, dated 5-Mar-19. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

On some Model 3 and Model Y vehicles, road debris can sometimes get lodged between the brake rotor and the brake dust shield, causing loud grinding noises while driving the vehicle. These instructions explain how to quickly release the debris so that the vehicle can continue to be driven.

 **Note for Model 3:** although performing this procedure may quickly resolve the condition, Service Bulletin [SB-18-33-005](#) would need to be performed to fix the root cause.

Procedure

 **NOTE:** If the location of the grinding noise cannot be identified, perform this entire procedure on all 4 brake dust shields.

1. If aero covers (Figure 1) are installed, use both hands to carefully pull the aero cover off the affected corner(s) of the vehicle.



Figure 1 (Model 3 LH front aero cover shown; other aero covers similar)

2. Insert a large flat head screwdriver through the wheel spokes and carefully push on the top edge of the brake dust shield (Figure 2). Repeat this action on the left/right (Figure 3) and bottom (Figure 4) edges of the shield to allow debris to fall out of the shield.

⚠ CAUTION: Do not rub the screwdriver against the wheel spokes or brake rotor.

⚠ CAUTION: Do not push too hard, as this could permanently bend the dust shield.

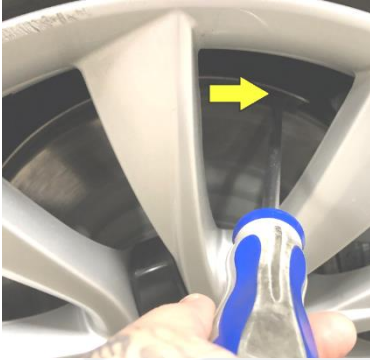


Figure 2



Figure 3 – also push on the right side of the shield, if necessary



Figure 4

3. Perform step 2 on all affected brake dust shields.
4. If previously removed, position the aero cover over the wheel, and then push on the aero cover until it fully snaps into place (Figure 5). Repeat this step for all aero covers that were removed.

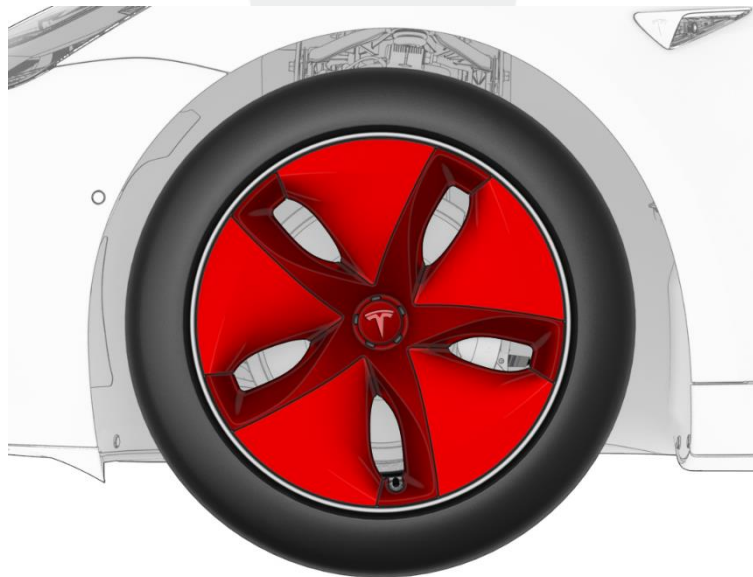


Figure 5

5. Drive the vehicle forward and backward to confirm that the noise caused by the lodged debris is no longer present.