



TN-24-17-002 May 8, 2024		Tesla, Inc. Tech Notes
Model:	Vehicle System:	Region:
Model 3 (2017-2023) and Model Y	17 - Electrical	North America, Puerto Rico, Korea

Model 3 (2017-2023) and Model Y Headlamp Replacement Guidelines

Tech Notes are announcements that help to communicate new information about Tesla Service. These instructions assume knowledge of motor vehicle and, if applicable, 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.

For proper headlamp operation in Model 3 and Model Y vehicles, both headlamps must be of the same type (Global or SAE), and the vehicle software configuration must match the installed headlamp type. If one headlamp is damaged, and the replacement headlamp is not the same type (Global or SAE) as the undamaged headlamp, the undamaged headlamp must also be replaced.

If an SAE type headlamp is damaged, replace both the damaged and the undamaged SAE headlamps with Global headlamps.

Damaged Headlamp Type	Replacement Headlamp Type	Undamaged Headlamp Type	Action(s)
Global	Global	Global	Replace only the damaged headlamp (no configuration change needed).
SAE	Global	Global	<p>Remove the damaged headlamp and the undamaged headlamp, and then retrofit Global headlamps.</p> <p> NOTE: The retrofit procedure includes instructions to update the vehicle configuration to match the new headlamp type.</p> <p>Refer to the correct Service Manual procedure “Headlamps (SAE-to-Global) - Headlamp Assembly - Pair (Retrofit)” (Model 3 or Model Y) for retrofit instructions.</p>

When ordering parts, refer to the [Parts Catalog](#) and enter the VIN of the vehicle being repaired to find the correct parts (and the part numbers) for the vehicle.