



# Service Bulletin

Bulletin No.: 20-NA-229

Date: December, 2020

## INFORMATION

**Subject: Copper Free Brake Information**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Camaro	2021	2021	—	—	All	All

<b>Involved Region or Country</b>	United States
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### Information

The purpose of this bulletin is to review the copper free regulation, how it affects Camaro and the service strategy for each brake model RPO. The states of Washington and California have passed legislation beginning the phase out use of copper in brake pads. Phase out dates limit copper content to < 5% by weight in 2021, and < 0.5% (essentially zero) by 2025. This is an effort to reduce metal content in storm water runoff negatively impacting the environment in key watersheds.

Copper free legislation for California and Washington State is effective for all vehicles built on or after January 1, 2021. While this legislation affects all vehicle manufacturers and vehicle lines, the rollout for Camaro is complex. The Camaro offers 7 different brake RPOs dependent on model. We will review the changes made, based on brake RPO, to meet the Copper Free legislation. The brake service options will be categorized by vehicle RPO codes as such:

### Brake RPO JL9



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Equipped on LS and some LT models. This option will roll out with copper free brakes across all 50 states with start of production for the 2021 model year.

Brake RPO J55



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Equipped on some LT models and the LT1 Model (RPO 1LZ). A copper free solution is only available for vehicles with brake RPO J55 and **WITHOUT** RPOs Y4Q (auxiliary cooling) and A1X (1LE track package).

Brake RPO J55 & Y4Q or A1X



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Built on/after January 1, 2021, **General Motors will restrict dealers in California and Washington State from ordering these models.**

No copper free solution is available for the V6 and Turbo 1LE models (RPO A1X).

Brake RPOs J6G (SS) / J6M (SS 1LE) / J6H (ZL1 & ZL1 1LE)



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- Will maintain MY20 copper-containing linings (non-copper free) system for 2021 model year.
- Any 2021 Camaro equipped with brake RPOs J6G / J6M / J6H built on/after January 1, 2021, General Motors will restrict dealers in California and Washington State from ordering these models.
- Beginning with 2022 model year, Camaro SS, SS 1LE (RPO A1Y), ZL1 or ZL1 1LE (RPO A1Z) produced for California and Washington State, will use brake RPOs J6H&BCD.
- Camaro SS, SS 1LE (RPO A1Y), ZL1 or ZL1 1LE (RPO A1Z) for all other 48 states, will continue to be produced with brake RPO J6G or J6M OR with the option of BCD.

**Summary**

The table below provides a complete explanation of which model/brake RPO is copper free for both model year 2021 and 2022:

Model	Brake RPO	MY 2021 Copper Free Compliant	MY 2022 Copper Free Compliant
LS/LT	JL9	Yes	Yes
LT	J55	Yes	Yes
LT	J55 & Y4Q	No	No
1LZ	J55	Yes	Yes
LT 1LE	J55 & Y4Q & A1X	No	No
SS	J6G	No	Yes – Optional with J6H&BCD
SS 1LE	J6M	No	Yes – Optional with J6H&BCD
ZL1	J6H	No	Yes – Optional with J6H&BCD

Model	Brake RPO	MY 2021 Copper Free Compliant	MY 2022 Copper Free Compliant
ZL1 1LE	J6H	No	Yes – Optional with J6H&BCD

by the US EPA, unifying the expectation for brake pads for all 50 states. When servicing the different brake RPO's found on Camaro model's, it's important for service technicians to understand whether they are servicing a vehicle with copper-containing linings or Copper Free components. Camaro HP models (SS, ZL1), will offer copper free compliant brakes as an option for the remaining 48 states.

## Frequently Asked Questions

Question : How are brakes serviced in California and Washington State on Camaro models produced prior to January 1, 2021?

*The Copper Free legislation does not affect the sale or serviceability of Camaro models built prior to January 1, 2021.*

Question : Can dealers in CA & WA state service non-compliant brake components on Camaro models built on/after January 1, 2021?

*No – service parts needed to service brake components on Camaro models not compliant with the Copper Free legislation are restricted from being ordered by dealers in California and Washington State.*

Question : Are vehicles built after January 1, 2021 that don't meet the copper free regulation prohibited from sale in California and Washington State?

*Although General Motors will restrict dealers in CA & Washington State from ordering Camaro models built on/after January 1, 2021, there is nothing in place preventing the registration of non-compliant models in these states. There is nothing in place to prevent a dealer from dealer trading for a non-compliant vehicle from a neighboring state and selling it to a customer. The customer will not be aware of the non-compliance issue, until they need to perform a brake service on the vehicle and are unable to obtain parts. In such cases, the customer should work with the selling dealer to cover the cost of upgrading the vehicle to make it compliant to the Copper Free legislation. In this scenario, the responsibility to upgrade the vehicle brake system to be compliant with the legislation, is not the responsibility of General Motors.*

Question : How does the California & Washington State copper free regulation affect the other 48 states?

*Although the initial legislation was adopted by California and Washington State, this was followed by a Memorandum of Understanding backing the legislation*

Question : Are dealers in California and Washington State prohibited from servicing Camaro models produced on/after January 1, 2021 that are not compliant with the Copper Free Regulation?

*Camaro brake pads not compliant with copper free legislation are restricted from being ordered by dealers in California and Washington State.*

Question : Starting in 2022 model year, how are Camaro HP models identified as copper free compliant?

*The addition of RPO BCD will be added to the RPO string on the vehicle build record, indicating this vehicle would originally be built to become compliant with Copper Free legislation.*

Question : To make a Camaro compliant with the Copper Free legislation, is it just a matter of changing the brake pads?

*In order to maintain the same braking performance, the brake components have to grow in size and therefore, brake pads compliant with copper free legislation will not fit on Camaro models with traditional copper-containing linings.*

Question : Is it possible to make a vehicle produced with copper-containing linings compliant with the copper free regulation?

*To upgrade a Camaro model previously produced with copper-containing linings to be compliant with copper free legislation, it will be necessary to replace, pads, rotors, calipers, brake shields and in most cases, a new EBCM calibration will also be required. For Camaro models that offer components that are compliant to the new copper free legislation, the cost to upgrade the brake system will range between \$2,000 - \$7,000, depending on model.*

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