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	Document Title:	FLICKERING/BLINKING LEDs on SR4 SERIES LENS ASSEMBLIES	Date: Oct. 26, 2022
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Description of Bulletin: This bulletin addresses the issue of Betts SR4 series lamps flickering/blinking while connected to certain tractors and incorporated with certain lighting system configurations.

Background/Details: The SR4 series lamps comply with all FMVSS108 requirements and were rigorously tested prior to release. The flickering/blinking anomaly does not occur during compliance or performance testing and only happens in certain circumstances.

The flickering is being caused by “noise” which is unwanted and unplanned disturbance in the electrical signal. The flickering has been identified to only happen with certain tractor manufacturers and with tractor model years 2020 and newer and seems to be related to the communication with the trailer ABS.

The highly energy efficient SR4 series lamps use less than 200 mA to operate. This efficiency leads to the lamps being sensitive to noise on these signal lines.

Solution: Two solutions are available to resolve a flickering/blinking SR4 lamp.

Option 1: A newly designed replacement LED assembly can be provided by Betts. The LED circuit has been redesigned to resolve the flickering issue and has been effective in all cases.

Old LED Assembly Number	Replacement LED Assembly Number
SR4FHM3E	SR4FH453E
SR4FGM3S	SR4FG453S

Option 2: A burden resistor plug-in can be added to the lamp assembly. Part number 920971 can be provided by Betts which plugs into the back of the lamp assembly. This solution works in most cases, but some specific situations still experience interference and flickering.

If there are any questions, contact Betts Customer Service or Design Engineering Department.