Manufacturer Name :	Braun Ambulances
Submission Date :	JUL 16, 2024
NHTSA Recall No. :	24V-307
Manufacturer Recall No. :	24-003

Manufacturer Information :

Manufacturer Name : Braun Ambulances

Address : 1170 Production Drive Van Wert OH 45891 Company phone : 4192327020

Vehicle Information :

	2023-2024 Brau BUSES, MEDIUM			
Body Style :	ALL			
Power Train :	DIESEL			
Descriptive Information :	with a specific fi firmware versio Recall populatio 28739/6060-20 causing issues in the release of Br 24E-006 in Janu identified by the beforementione to issue a corres	rmware version n, serial number n includes a spe- 10-00 and asso n trucks in the f aun recall 24V- ary 2024 to add part number of d node and firm ponding recall	n and date range. Ra r, and date range the ecific release of nod ciated firmware. The feld in December 20 082 to address the lress the same firm n the back side of the ware. Braun review on April 29th, 2024	oduct specifications associated ecalled products have a different an those not included in the recall. e, Braun/Weldon Part Number: his release was reported to be 023 into January 2024. This lead to se concerns. Weldon issued recall ware concerns. These nodes can be he node. This recall is limited to the wed the Weldon recall and decided . 5 Diesel Chief XL I vehicles are with a remedied version.
Production Dates :	NOV 01, 2023 - I	DEC 29, 2023		
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential



24V-307

Population :

Number of potentially involved : 29 Estimated percentage with defect : 100 %

24V-307

Vehicle 2:	2023-2024 Bra	un Ambulances	Chief XL I	
Vehicle Type :	BUSES, MEDIU	M & HEAVY VEI	HICLES	
Body Style :	ALL			
Power Train :	GAS			
Descriptive Information :	with a specific i firmware versi Recall populati 28739/6060-2 causing issues i the release of E 24E-006 in Jan identified by th beforemention to issue a corre	firmware versic on, serial numb on includes a sp 010-00 and ass in trucks in the Graun recall 24V uary 2024 to ac a part number ed node and fir sponding recall	on and date range. R er, and date range th pecific release of not ociated firmware. Th field in December 2.7 -082 to address the dress the same firm on the back side of t mware. Braun revie on April 29th, 2024	roduct specifications associated ecalled products have a different han those not included in the recal le, Braun/Weldon Part Number: his release was reported to be 023 into January 2024. This lead to se concerns. Weldon issued recall ware concerns. These nodes can b he node. This recall is limited to th wed the Weldon recall and decided I. 4 gas Chief XL I vehicles are I with a remedied version.
Production Dates :	v		•	
VIN Range 1:	Begin :	NR	End: NR	Not sequential
Body Style : Power Train : Descriptive Information :	GAS The recall populati with a specific of firmware versi Recall populati 28739/6060-2 causing issues of the release of E 24E-006 in Jam identified by the beforemention to issue a correct	firmware versic on, serial numb on includes a sp 010-00 and ass in trucks in the Graun recall 24V uary 2024 to ad the part number ed node and firm sponding recall	on and date range. R er, and date range th pecific release of not ociated firmware. Th field in December 2/ 7-082 to address the dress the same firm on the back side of t mware. Braun revie on April 29th, 2024	roduct specifications associated ecalled products have a different han those not included in the recal le, Braun/Weldon Part Number: his release was reported to be 023 into January 2024. This lead to se concerns. Weldon issued recall ware concerns. These nodes can b he node. This recall is limited to th wed the Weldon recall and decideo I. 13 Chief XL III gas vehicles are I with a remedied version.
Production Dates :	NOV 01, 2023 -	DEC 29, 2023		
	Begin :	NR	End: NR	🗌 Not sequential

24V-307

Vehicle 4:	2023-2024 Bra	aun Ambula	nces Express Plus I	
Vehicle Type :	BUSES, MEDIU	M & HEAVY	VEHICLES	
Body Style :	ALL			
Power Train :	DIESEL			
	with a specific firmware versi Recall populati 28739/6060-2 causing issues the release of E 24E-006 in Jan identified by th beforemention to issue a corre	firmware ve on, serial nu on includes 010-00 and in trucks in Braun recall uary 2024 t e part num ed node and esponding re	ersion and date range. Reca umber, and date range than a specific release of node, associated firmware. This the field in December 2023 24V-082 to address these to address the same firmwa ber on the back side of the d firmware. Braun reviewe ecall on April 29th, 2024. 2	uct specifications associated alled products have a different a those not included in the reca Braun/Weldon Part Number: release was reported to be 3 into January 2024. This lead t concerns. Weldon issued recall are concerns. These nodes can be node. This recall is limited to the d the Weldon recall and decide diesel Express Plus I diesel s replaced with a remedied
Production Dates :		- DEC 29. 20	23	
VIN Range 1 : E		NR	End: NR	Not sequentia
Vehicle 5:	2023-2024 Bra	un Ambula	nces Express III	
Vehicle Type :	BUSES, MEDIU	M & HEAVY	VEHICLES	
Body Style :	ALL			
Power Train :	GAS			
	with a specific firmware versi Recall populati 28739/6060-2 causing issues the release of E 24E-006 in Jan identified by th beforemention to issue a corre affected by the	firmware ve on, serial nu on includes 010-00 and in trucks in Braun recall uary 2024 t ne part num ed node and esponding re recall and v	ersion and date range. Reca umber, and date range than a specific release of node, associated firmware. This the field in December 2023 24V-082 to address these to address the same firmware ber on the back side of the d firmware. Braun reviewe ecall on April 29th, 2024. 2 will need nodes replaced w	uct specifications associated alled products have a different a those not included in the reca Braun/Weldon Part Number: release was reported to be 3 into January 2024. This lead t concerns. Weldon issued recall are concerns. These nodes can b node. This recall is limited to th d the Weldon recall and decide gas Express III vehicles are ith a remedied version.
Production Dates :				
VIN Longe 1 . I	Begin :	NR	End: NR	🗌 Not sequentia

Vehicle 6:	2023-2024 Braun Ambulances I	Liberty I	
Vehicle Type :	BUSES, MEDIUM & HEAVY VEH	ICLES	
Body Style :	ALL		
Power Train :	DIESEL		
	The recall population was deter with a specific firmware version firmware version, serial number Recall population includes a spe 28739/6060-2010-00 and assoc causing issues in trucks in the fi the release of Braun recall 24V- 24E-006 in January 2024 to add identified by the part number of beforementioned node and firm to issue a corresponding recall of affected by the recall and will ne	n and date range. Recalled r, and date range than the ecific release of node, Bra- ciated firmware. This rele- eld in December 2023 into 082 to address these con- lress the same firmware on the back side of the nod oware. Braun reviewed th on April 29th, 2024. 3 die	I products have a different ose not included in the recal un/Weldon Part Number: ease was reported to be to January 2024. This lead to cerns. Weldon issued recall concerns. These nodes can be e. This recall is limited to the e Weldon recall and decided sel Liberty I vehicles are
Production Dates :	NOV 01, 2023 - DEC 29, 2023		
VIN Range 1:1	Begin : NR	End: NR	Not sequential

Description of Defect :

Description of the Defect :	Braun Industries has decided that a defect which relates to motor vehicle safety exists in certain Type I and Type III Chief XL, Express, Express Plus, and Liberty vehicles produced from November 2023 through January 2024. In these vehicles, Hercules High Content 1.7 Nodes and associated firmware produced by Weldon may not shut off the output pin if there is a short circuit in the vehicle wiring or other devices installed on the vehicle. If the electrical circuits become overloaded, depending on how the node is wired into the vehicle, including whether the wiring is located near a fuel source, there is an increased risk of heat related damage or fire.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	There is an increased risk of heat related damage or fire.
Description of the Cause :	Hercules High Content 1.7 Nodes part number 6060-2010-00 and associated firmware produced by Weldon may not shut off the output pin if there is a short circuit in the vehicle wiring or other devices installed on the vehicle.
Identification of Any Warning that can Occur :	NR
Involved Components :	

Component Name 1: Hercules HC 1.7 Node **Component Description :** High Content Node Component Part Number: 6060-2010-00

Supplier Identification :

Component Manufacturer

Name: Weldon Division of Akron Brass Address: 3656 Paragon Drive Columbus Ohio 43228 **Country : United States**

Chronology:

December 2023 - January 2023: Braun experienced field issues with Weldon node 6060-2010-00 and firmware. After investigation and review, the decision was made to replace the high content nodes in the field in February 2024. This required a firmware update coupled with replacing nodes. These nodes were produced and installed in the same time frame called out in Weldon recall 24E-006. Braun issued recall 24V-082 to address the reported field failure concerns with the nodes and firmware in question. The recall remedy included replacing the 6060-2010-00 node with a 6060-2010-01 and installation of updated firmware. Braun was contacted by NHTSA regarding filing a separate recall corresponding to Weldon recall 24E-006 in April 2024. Both recalls from Braun and Weldon have the same remedy but were called out as addressing different issues. Braun reviewed the recall and made the decision on April 29th, 2024 to file an additional recall regarding Weldon recall 24E-006 due to the nature of the potential failures, increased risk of heat related damage and fire. The recall will remedy the known field issues and proactively address in the vehicles with this revision node that have not experienced an of reported issues. 29 total vehicles are impacted. This recall population consists of the same vehicles in Braun recall 24V-082.

Description of Remedy :

Description of Remedy Program :	Braun will work with affected customer population to ensure that the latest firmware revision is installed as part of this recall and in conjunction with recall 24V-082. All vehicles are covered by warranty so no reimbursement will be offered. Braun will provide reimbursement for any pre-notification remedy.
How Remedy Component Differs from Recalled Component :	Firmware version for vehicles with the 6060-2010-00 node will go from 1.0 to 1.4.

Page 6

	The recall condition and rememdy was corrected in production in February 2024. Once the issue was identified all vehicles were quarantined until the latest firmware was updated in finished vehicles and all new vehicels produced starting in February 2024 had the latest firmware installed.
Recall Schedule :	
Description of Recall Schedule :	Recall filed 4/30/2024. Will start immediate communication to dealers with owner letters following within 3 weeks.
	0
Planned Dealer Notification Date :	MAY 01, 2024 - MAY 15, 2024

* NR - Not Reported