

AN31.19-P-8100-05XGA	Retrofit trailer hitch wiring harness		
Topical note	Notes on the use of paint scraping nuts on ground connections		AH00.19-P-1000-20A

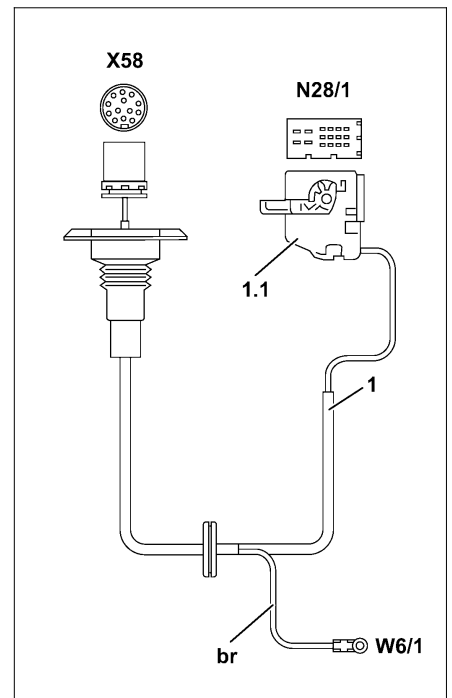
Model 463
as of model year 2019

Nm Ground points

Number	Designation			Model 463.260/261/276/27 7/349 as of model year 2019
BA00.19-P-1008-01L	Left tail lamp rear-end door ground point	W6/1	Nm	10

Connection scheme

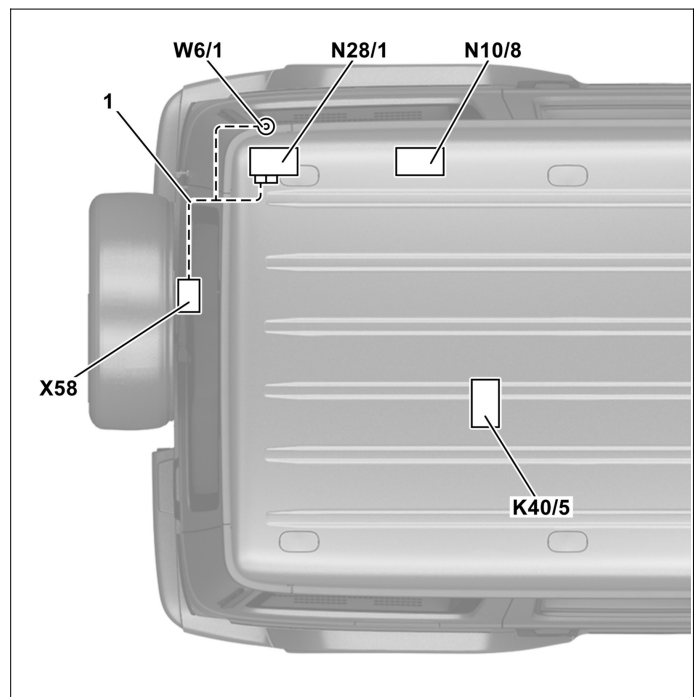
- 1 Trailer hitch wiring harness
- 1.1 Black 22-pin coupling
- N28/1 Trailer recognition control unit
- W6/1 Left tail lamp rear-end door ground point
- X58 Trailer socket
- br Brown line



P31.19-A006-03

Routing diagram

- 1 Trailer hitch wiring harness
- K40/5 Rear fuse and relay module
- N10/8 Rear SAM control unit
- N28/1 Trailer recognition control unit
- W6/1 Left tail lamp rear-end door ground point
- X58 Trailer socket

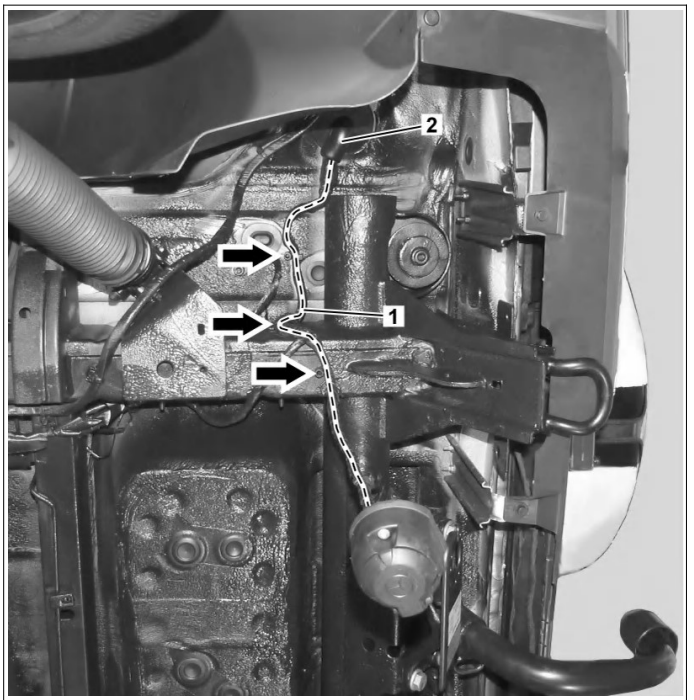


P31.19-A005-12

- 1 Route trailer hitch wiring harness (1) along existing wiring harness on underbody into vehicle interior so that it cannot kink or chafe.

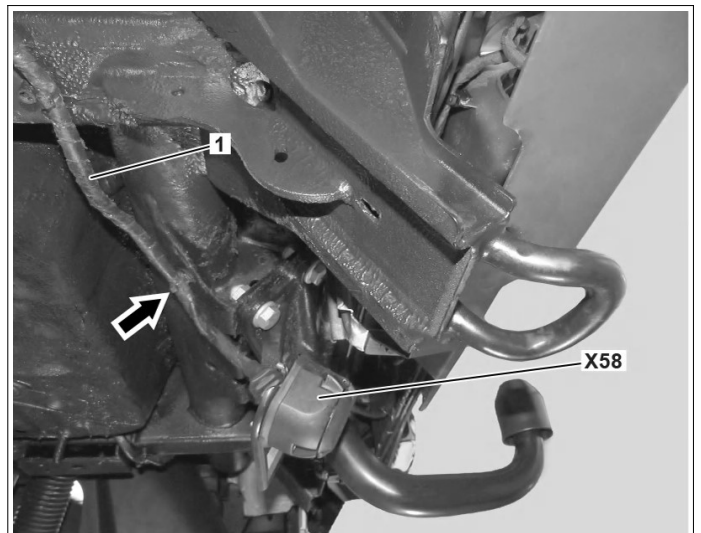
i Make sure that the feed-through grommet (2) is correctly seated and leaktight.

- 2 Fasten trailer hitch wiring harness (1) to existing wiring harness with cable tie (arrows).



P31.19-A007-12

- 3 Route trailer hitch wiring harness (1) to trailer hitch so that it cannot kink or chafe and fasten with cable tie (arrow).



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- 4 Route trailer hitch wiring harness (1) to trailer recognition control unit (N28/1) so that it cannot kink or chafe.

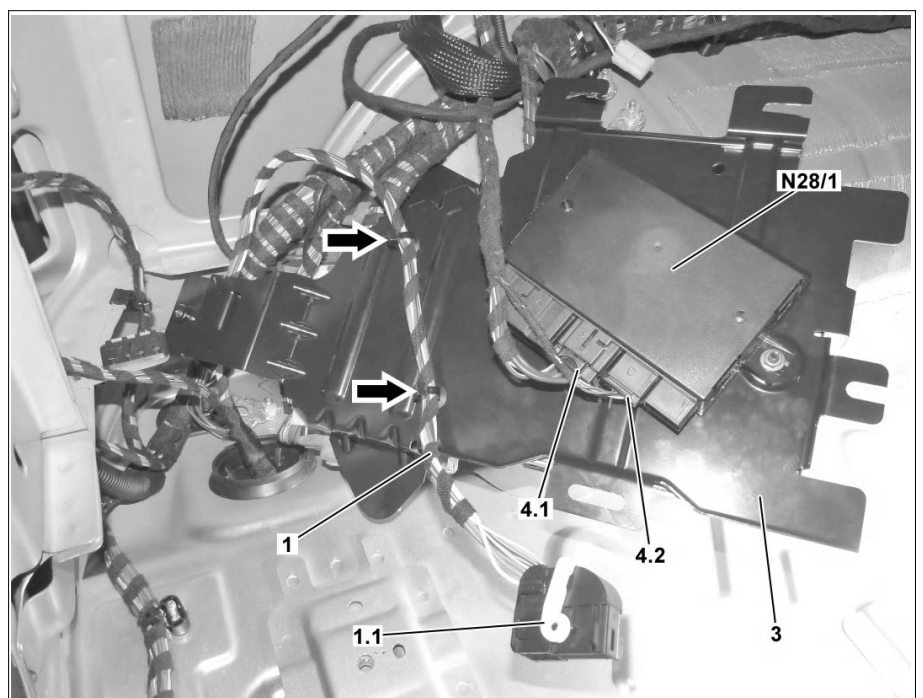
- 5 Fasten trailer hitch wiring harness (1) to retaining plate (3) with cable ties (arrows).

- 6 Plug black 22-pin coupling (1.1) of trailer hitch wiring harness (1) into trailer recognition control unit (N28/1).


- 7 Create access to strapped-down black coupling (4.1) and black coupling (4.2).

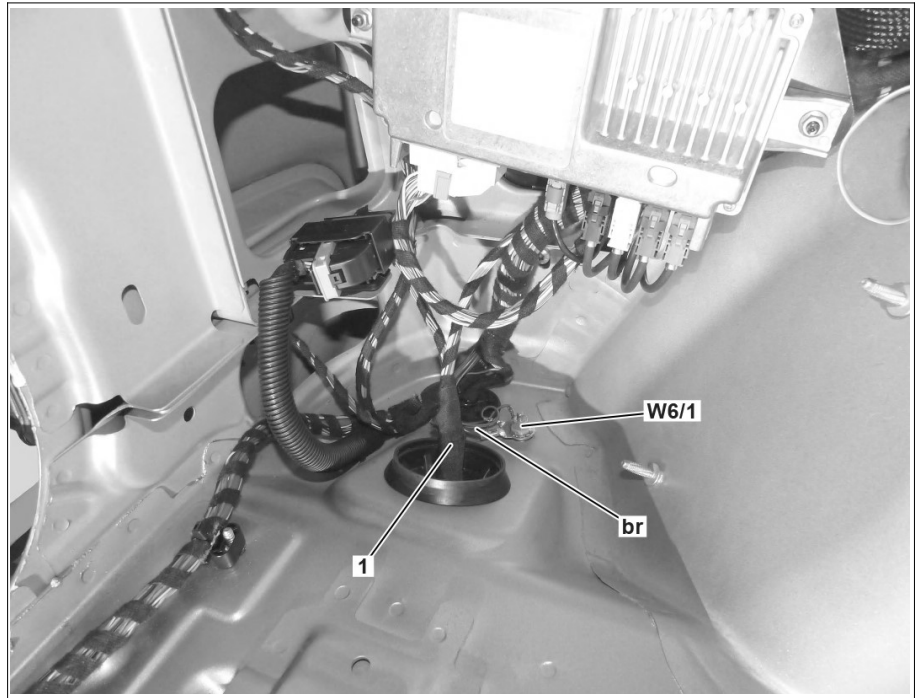
i The black coupling (4.1) and black coupling (4.2) are strapped down on the main wiring harness.

- 8 Plug black coupling (4.1) and black coupling (4.2) into trailer recognition control unit (N28/1).




P31.19-A009-06

- 9 Screw brown line (br) of trailer hitch wiring harness (1) onto left tail lamp rear-end door ground point (W6/1). Model 463.260/261/276/277 as of model year 2019 

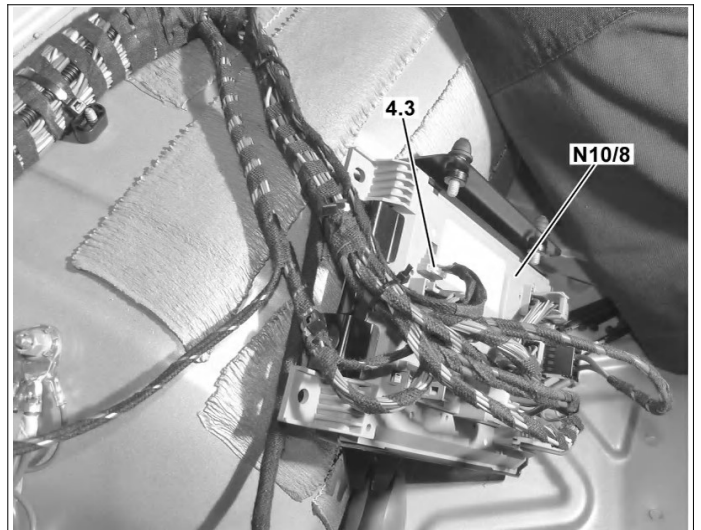


P31.19-A010-06

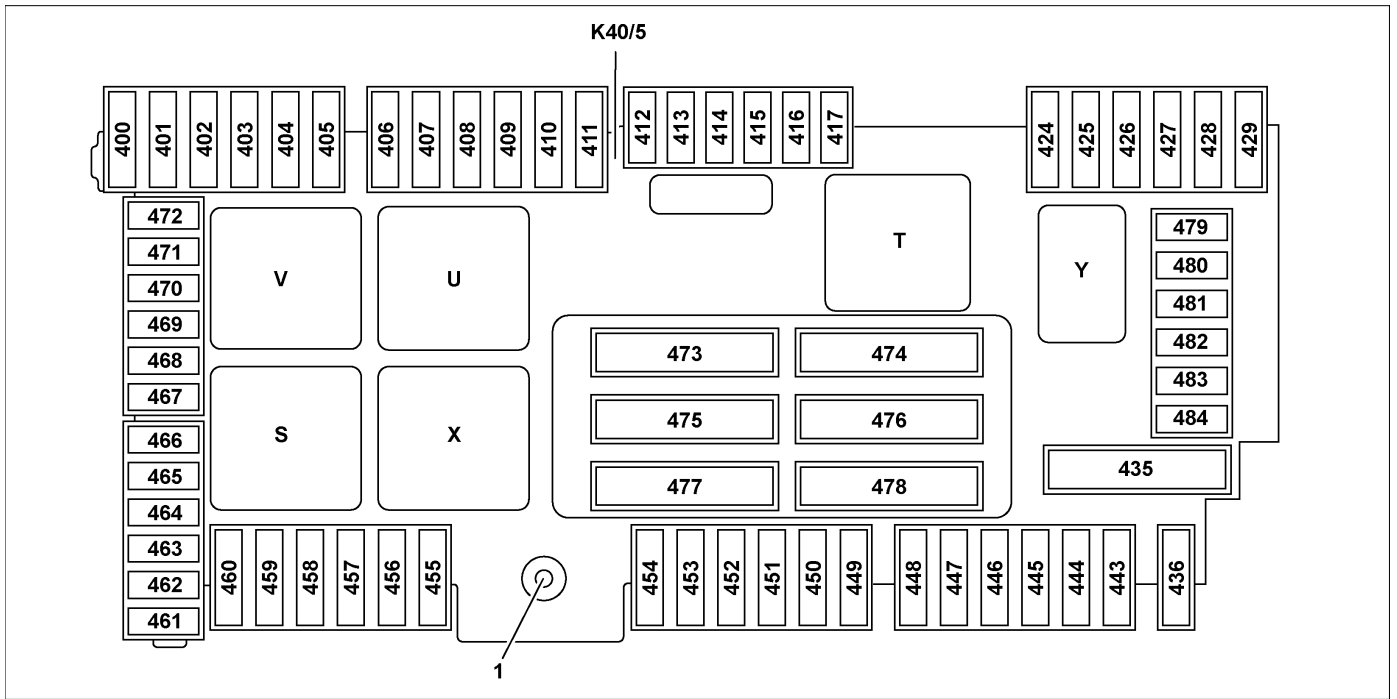
- 10 Create access to strapped-down white coupling (4.3).

 The white coupling (4.3) is strapped down on the main wiring harness.

- 11 Plug white coupling (4.3) into rear SAM control unit (N10/8).



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P54.15-3783-09

- 12 Check fuse assignment at rear passenger compartment fuse and relay module (K40/5) and correct if necessary.



Fuse assignment:

Electrical fuse 444 (K40/5f444) = 20 A

Electrical fuse 446 (K40/5f446) = 20 A

Electrical fuse 447 (K40/5f447) = 30 A

Electrical fuse 448 (K40/5f448) = 20 A