

Users Manual



Available Auxiliary Upfitter Switches

AAUSXXX series product is built ready for extra lights, winches and other available aftermarket accessories in your Off-Road Vehicle, as Bronco and F150 series, Defender, Land Cruiser. Accessorywires come run under the hood, on the frontgrille, roof and to the cargo area.

More information, please visit our website
www.hanspilot.com/upfitter

WARNING: The following procedure prescribes critical repair steps required for correct restraint system operation during a crash. Follow all notes and steps carefully. Failure to follow step instructions may result in incorrect operation of the restraint system and increases the risk of serious personal injury or death in a crash.

NOTE: Removal steps in this procedure may contain installation details

NOTE: Left hand (LH) shown, right hand (RH) similar.

Picture						
Name	Upfitter Switches	Relay Box	Extend cable	ILL cable	Spare extend cable	Nylon Rolled Belt
Serial No.	024-0255678 560-0000	024-0255688 560-0000	023-0255120 053-0000	023-0255120 054-0000	023-0255120 055-0000	

Picture						
Name	Bronco Bracket	F150 Bracket	Spare Parts	Fixing Plate	Fixing Plate	Fixing Plate
Serial No.	039-0255520 001-0000	039-0255520 002-0000		038-0255000 001-0000	038-0255000 003-0000	038-0255000 017-0000

Pull Overhead console assembly down carefully, release the clips and remove the windshield header trim panel.

2. Unplug the three connectors.



3. Remove the handle 2 covers and screw

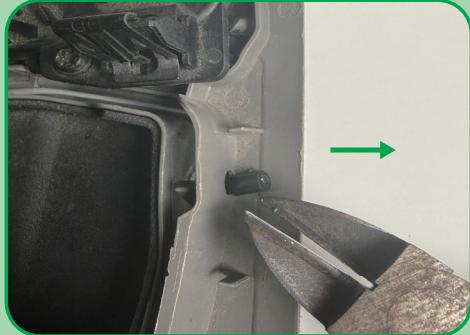


4. Take out the handle part from the A Pillar trim panel.



5. Take out the handle part from the A Pillar trim panel.



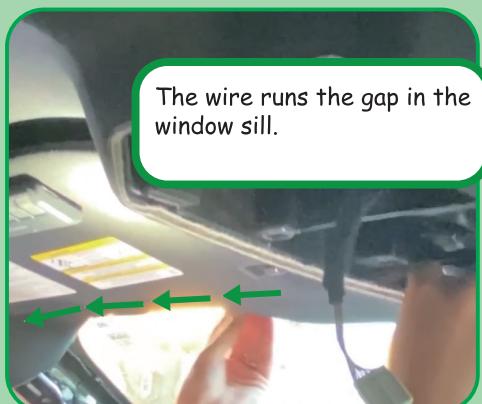
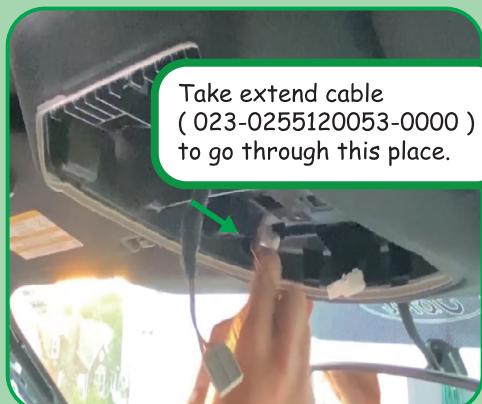


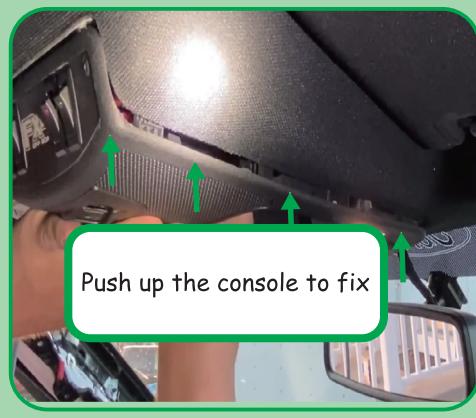
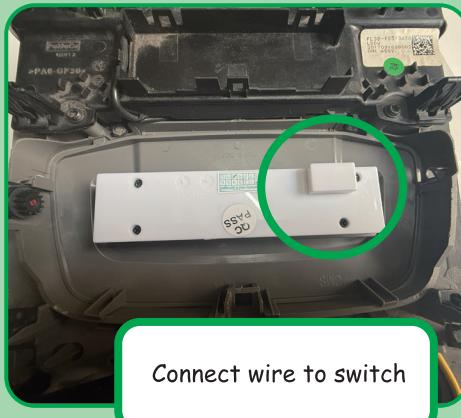
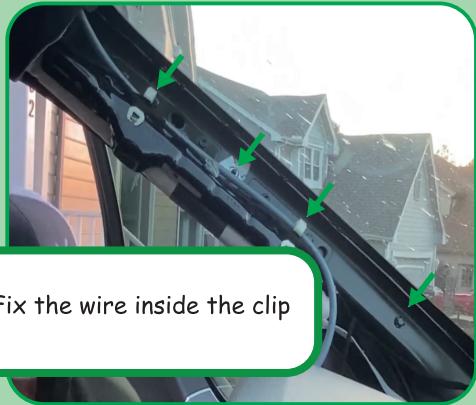
Push it down firmly

6. Remove and disconnect driver and passenger visors & visor clip.

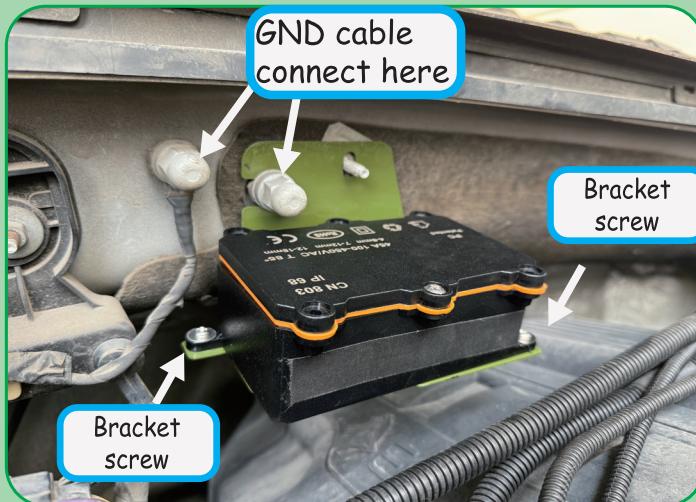


7. The extend cable (023-0255120053-0000) wire connect.

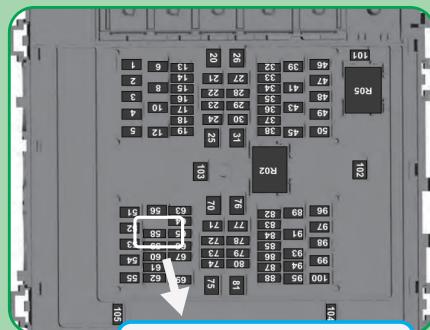
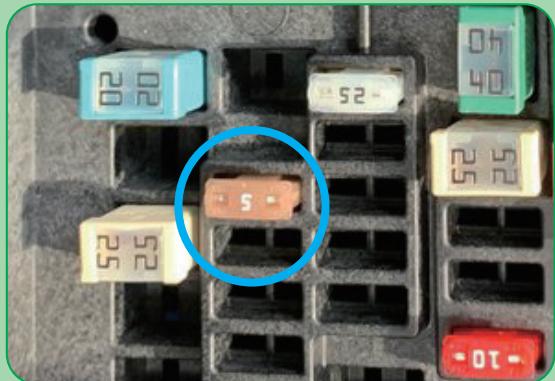




8. Please take cable (023-0255120053-0000) to engine compartment, and connect with relay box. Connect GND cable to metal. with ground.

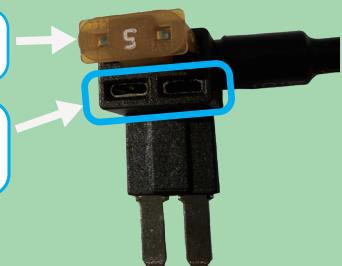


9. Connect the Fuse cable from relay box to Body Control Module C (BCMC). Take out No. 58 micro2 fuse, insert into our connector port. Insert our cable into No.139 port.

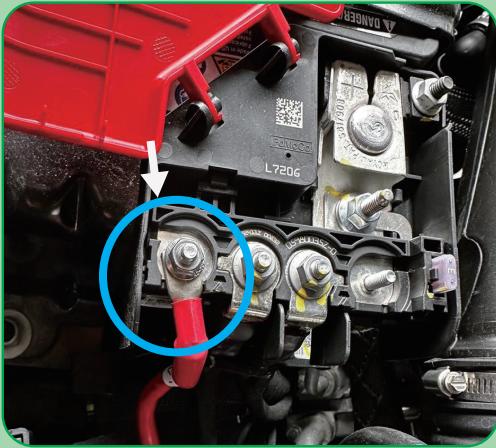


This fuse include with cable

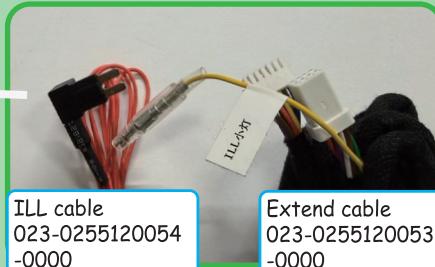
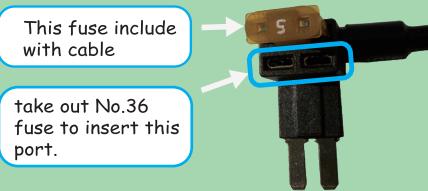
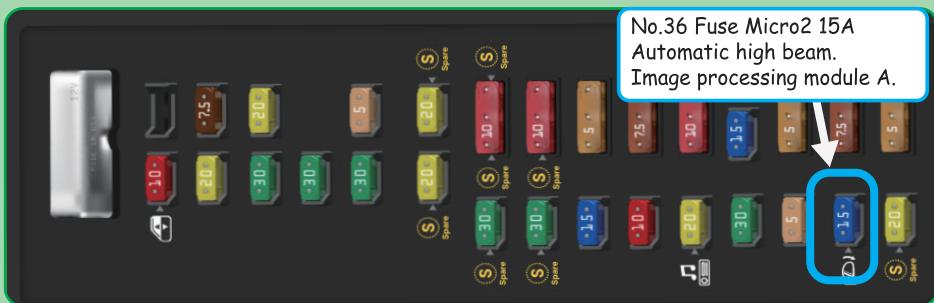
take out No.58 fuse to insert this port.



10. Connect Power cable from relay box to Battery.



11. Use ILL wire (023-0255120054-0000) to connect extend cable (023-0255120053-0000) ILL wire, then use ILL cable to connect fuse box under steering. Take out No. 36 micro2 fuse, insert into our connector port. Insert our ILL cable into No.36 port of fuse box. Note: if you don't connect the ILL cable to fuse box, the switches light will be always on, can't switch according to car light.



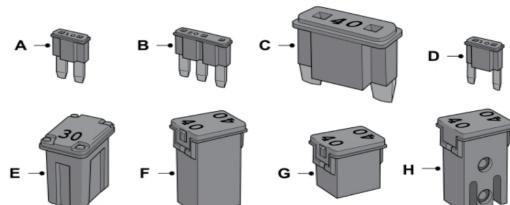
12. Check your switches and aux wiring with a test light for functionality.

13. Marvel at your work.

Type	No.	Description
Fuse MICRO2 7.5A	2	Memory module logic, Memory seat switches, Lumbar motor.
Fuse MICRO2 20A	3	Driver door lock motor.
Fuse MICRO2 5A	4	Trailer brake control.
Fuse MICRO2 20A	5	 Spare
Fuse MICRO3 10A	6	 Spare
Fuse MICRO3 10A	7	 Spare
Fuse MICRO3 10A	8	 Spare
Fuse MICRO3 10A	9	Extended power module [Base only]
Fuse MICRO3 5A	10	Embedded modem module.
Fuse MICRO3 5A	11	Combined sensor module.
Fuse MICRO3 7.5A	12	Climate head module, Smart datalink connector.
Fuse MICRO3 7.5A	13	 Cluster, Steering column control module.
Fuse MICRO3 10A	14	Brake on/off switch.
Fuse MICRO3 10A	15	Smart datalink connector.
Fuse MICRO2 15A	16	Tailgate release.
Fuse MICRO3 5A	17	Heads up display, Terrain switch, Ignition switch and passive-entry passivestart start stop switch.
Fuse MICRO3 5A	18	Key inhibit solenoid.
Fuse MICRO3 7.5A	19	Extended power module [except Raptor]
Fuse MICRO3 7.5A	19	 Restraint control module [Raptor only]
Fuse MICRO3 5A	21	Heads up display, In car temperature with humidity sensor
Fuse MICRO3 5A	22	Passenger occupant detection [Raptor only]
Fuse MICRO2 10A	23	 Power driven rear glass switch, Inverter, Driver side window, Moonroof, Vista roof. View problems with the sunroof fuse...
Fuse MICRO2 20A	24	Central lock/unlock.
Fuse MICRO2 30A	25	Driver door control module.
Fuse MICRO2 30A	26	Passenger door control module.
Fuse MICRO2 30A	27	Vista roof, Moonroof. View problems with the sunroof fuse...
Fuse MICRO2 20A	28	 Spare
Fuse MICRO2 30A	29	 Spare
Fuse MICRO2 30A	30	 Spare
Fuse MICRO2 15A	31	Adjustable pedal switch and motor.
Fuse MICRO2 10A	32	Multi-function display, SYNC, Radio frequency receiver.
Fuse MICRO2 20A	33	 Radio. View problems with the radio fuse...
Fuse MICRO2 30A	34	Run-start relay.
Fuse MICRO2 5A	35	Selectable drive mode switch, Upfitter switches [Raptor only]
Fuse MICRO2 15A	36	 360 camera module, Heated steering wheel module, Rear-view mirror. Rear heated seats, Lane departure warning module, Automatic high beam module, Image processing module A.
Fuse MICRO2 20A	37	 Spare
Circuit Breaker MAXI	38	Rear window switches and motors.

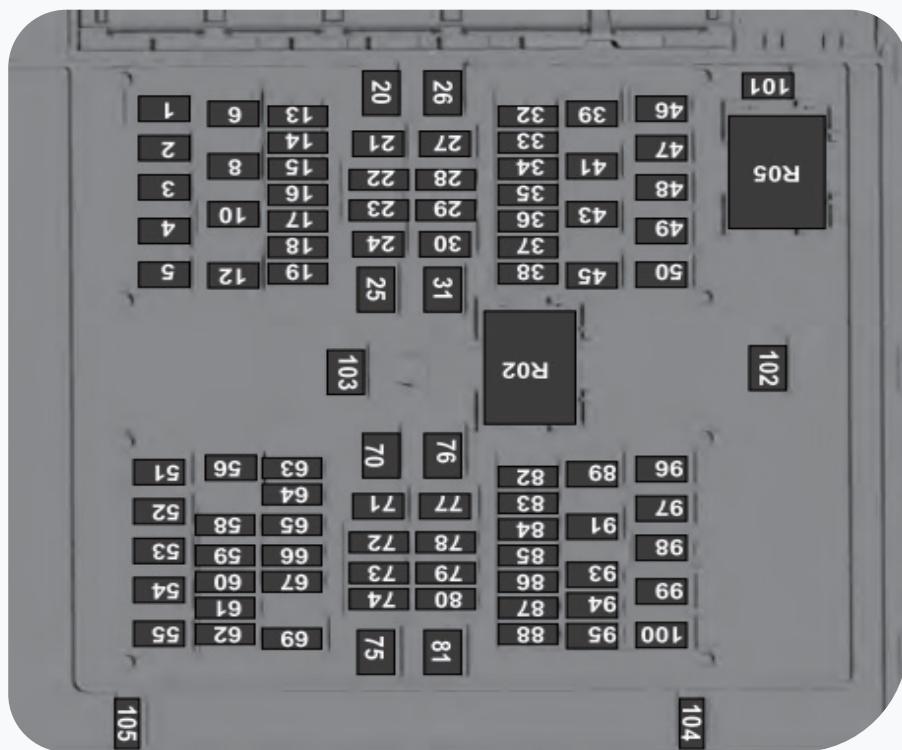


IDENTIFYING FUSE TYPES



- A Micro 2.
- B Micro 3.
- C Maxi.
- D Mini.
- E M Case.
- F J Case.
- G J Case Low Profile.
- H Slotted M Case.

Type	No.	Description					
Fuse MICRO2 25A	1	Horn View problems with the horn fuse...	Fuse MICRO2 15A	35	Vehicle power 4 [Diesel] View problems with the cigarette lighter fuse...	Fuse MICRO2 83	Transmission control module.
Fuse FMM/MCASE 50A	2	Electric fan 1. View problems with the cooling fan fuse...	Fuse MICRO2 10A	36	Vehicle power 3. View problems with the cigarette lighter fuse...	Fuse MICRO2 88	Multi-Contour Seats Relay.
Fuse FMM/MCASE 30A	3	Windshield wiper motor.	Fuse MICRO2 25A	37	Vehicle power 2 [Gas] View problems with the cigarette lighter fuse...	Fuse MICRO2 88	Upfitter 3 relay [Raptor]
Fuse FMM/MCASE 60A	4	Body control module.	Fuse MICRO2 15A	37	Vehicle power 2 [Diesel] View problems with the cigarette lighter fuse...	Fuse FMM/MCASE 30A	89 Power running boards
Fuse FMM/MCASE 30A	5	Starter relay. View problems with the starter fuse...	Fuse MICRO2 25A	38	Vehicle power 1 [Gas] View problems with the cigarette lighter fuse...	Fuse MICRO2 15A	93 Heated mirrors.
Fuse FMM/MCASE 20A	6	Power point 1. View problems with the cigarette lighter fuse...	Fuse MICRO2 20A	38	Vehicle power 1 [Diesel] View problems with the cigarette lighter fuse...	Fuse MICRO2 15A	94 Rear heated seat module [Raptor, Diesel]
Fuse FMM/MCASE 20A	8	Power point 2. View problems with the cigarette lighter fuse...	Fuse FMM/MCASE 30A	41	Body-control-module voltage-quality-module feed.	Fuse MICRO2 15A	95 Not used (spare)
Fuse MICRO2 5A	10	Rain sensor.	Fuse FMM/MCASE 20A	43	Trailer tow lamps module View problems with the headlight fuse...	Fuse FMM/MCASE 40A	97 Electric fan [Raptor]
Fuse FMM/MCASE 15A	12	Upfitter 1 relay [Raptor]	Fuse MICRO2 10A	46	Steering-column lock.	Fuse FMM/MCASE 50A	97 View problems with the cooling fan fuse...
Fuse MICRO2 10A	13	4x4 run/start, Adaptive cruise control run/start module.	Fuse FMM/MCASE 50A	47	Powertrain control heater 3 [Diesel]	Fuse FMM/MCASE 15A	97 Powertrain control heater 1 [Diesel]
Fuse MICRO2 15A	14	Spare	Fuse FMM/MCASE 30A	48	Fuel filter heater [Diesel]	Fuse FMM/MCASE 40A	98 10R transmission module r/s, [3.3L] transmission fluid pump.
Fuse MICRO2 7.5A	15	Front view camera. Voltage quality module.	Fuse FMM/MCASE 30A	50	Fuel pump. View problems with the fuel pump fuse...	Fuse FMM/MCASE 25A	99 Heated rear window.
Fuse MICRO2 15A	15	Spare [Raptor]	FMM/MCASE 20A	51	Power point 3. View problems with the cigarette lighter fuse...	Fuse FMM/MCASE 25A	100 Diesel exhaust fluid (DEF) heater relay [Diesel]
Fuse MICRO2 10A	16	Powertrain control module, Transmission control module run/start.	Fuse FMM/MCASE 50A	52	Powertrain control heater 2 [Diesel]	Fuse FMM/MCASE 30A	101 Electric fan [Base only]
Fuse MICRO2 10A	17	Anti-lock brakes run/start.	Fuse FMM/MCASE 25A	53	Trailer tow park lamps.	Fuse FMM/MCASE 20A	102 Power sliding back window.
Fuse MICRO2 10A	18	Electric power steering run/start.	Fuse FMM/MCASE 15A	55	Upfitter 2 relay [Raptor]	Fuse MICRO2 15A	103 Trailer tow stop-turn relay fuse.
Fuse MICRO2 5A	19	Upfitter 5 relay [Raptor]	Fuse MICRO2 5A	58	USB smart charger.	Fuse MICRO2 10A	104 Snowplow switch, Rear heated seats [Base]
Fuse FMM/MCASE 40A	20	Blower motor.	Fuse MICRO2 15A	61	Spare	Fuse MICRO2 10A	105 Telescoping mirror.
Fuse FMM/MCASE 30A	21	Passenger seat motors.	Fuse MICRO2 25A	62	Upfitter 6 relay [Raptor]	Relay R02	Powertrain control module relay.
Fuse MICRO2 20A	22	Radio amplifier	Fuse MICRO2 15A	63	4x4	Relay R05	Electric fan relay.
Fuse MICRO2 10A	23	Alt A sensor.	Fuse FMM/MCASE 40A	64	E-locker.		View problems with the cooling fan relay...
Fuse FMM/MCASE 30A	24	Trailer brake control module.	Fuse FMM/MCASE 40A	70	Anti-lock brake system (ABS) valves, Electric parking brake.		
Fuse FMM/MCASE 50A	25	Body control module 1.	Fuse FMM/MCASE 25A	71	4x4		
Fuse FMM/MCASE 50A	26	Electric fan [Gas] View problems with the cooling fan fuse...	Fuse MICRO2 10A	74	Trailer tow backup lamps.		
Fuse FMM/MCASE 30A	27	Driver seat motors/memory module.	Fuse FMM/MCASE 40A	76	Body control module 2.		
Fuse MICRO2 15A	28	Heated seat.	Fuse FMM/MCASE 30A	77	Climate controlled seat.		
Fuse MICRO2 10A	29	4x4 solenoid.	Fuse MICRO2 10A	78	Spot light module.		
Fuse FMM/MCASE 25A	30	Trailer tow battery charge.	Fuse MICRO2 10A	80	Heated windshield wiper.		
Fuse MICRO2 10A	32	A/C clutch. View problems with the air conditioning fuse...	Fuse MICRO2 10A	80	Upfitter 4 relay [Raptor]		
Fuse MICRO2 10A	34	Vehicle power 5 [Diesel] View problems with the cigarette lighter fuse...	Fuse MICRO2 30A	82	Transmission fluid pump.		
Fuse MICRO2 20A	35	Vehicle power 4 [Gas] View problems with the cigarette lighter fuse...	Fuse MICRO2 5A	82	Powertrain control module [Diesel]		



Powered Circuits

Switch Assignment	Wire color	Wire Size	Fuse Size
AUX 1	Yellow	2.8 mm ²	30A
AUX 2	Yellow	2.8 mm ²	30A
AUX 3	Purple	2.8 mm ²	30A
AUX 4	Purple	2.8 mm ²	30A
AUX 5	White	2.8 mm ²	30A
AUX 6	White	2.8 mm ²	30A

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