

FORD POLICE INTERCEPTOR

UTILITY

2020 - 2024



800-264-3578 | www.fedsig.com

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Lights and Accessories Guide





INTERIOR REAR HATCH

CNSM-RBK1	Mount kit for installing 8-head CN SignalMaster
SLB-002	Short L-bracket, CN SignalMaster or Latitude
MBK01	Bracket for mounting message board in rear headliner
SIFMH	SpectraLux ILS Low-Profile, 8-head Rear Hatch, Center-focused style
XSMBKT03	Headliner mount bracket for use with XSM1/XSM2 lights

BOTTOM OF REAR HATCH

MicroPulse Ultra	MPS3U and MPS6U lights will fit in this location
416300 Series	416300 light will fit in this location

SPOILER BRACKET

MPSM6-FPIU20RS1	Pair of spoiler brackets, each bracket holds (1) MPS6U light
MPSM6-FPIU20RS2	Pair of spoiler brackets, each bracket holds (6) MPS6U lights
MPSM6-FPIU20RS3	Pair of spoiler brackets, each bracket holds (4) MPS6U lights

SIDE MIRROR BRACKET

MPSMW9-FPIU20MIR	Pair of side mirror brackets, each bracket holds (2) MPSW9 light
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SIDE WINDOWS

MicroPulse Ultra	MPS3U, MPS6U, and MPS12U lights will fit in this location using MPSM3-, MPSM6-, or MPSM12- "LB" or "DL" bracket
XStream	XSM1/XSM2 models will fit with included mounting brackets

RUNNING BOARD

MPSM3U-SPACRKT	Kit of four 5-degree mounting wedges, 1-2 wedges needed to mount MPS3U lights on lower side door
MPSM6U-SPACRKT	Kit of four 5-degree mounting wedges, 1-2 wedges needed to mount MPS6U lights on lower side door
MPSM3-LB	Generic L-bracket to mount (1) MPSU light to the rocker trim
MPSM6-LB	Generic L-bracket to mount (1) MPS6U light to the rocker trim

HEADLIGHT/TAILLIGHT OPTIONS

416900Z/416910Z	416900Z/416910Z corner LED can be mounted in the standard headlight assembly. (It is not compatible with 66A or 67H packages) and can be mounted in the taillight when Ford option 86T is ordered.
416900-VHB	3M™ VHB™ no-drill mount with standard headlight assembly or taillight when Ford option 86T is ordered, 4-pack
FHL-TAIL	Flasher, taillight, universal applications, 18-inch wire leads
EXPHARN03	Rear taillight connection wire harness for use with rear expansion module

PATHFINDER OBDII INTEGRATION

OBD CABLE6-2	6-ft OBD Cable
OBD CABLE25-2	25-ft OBD Cable

BRACKETS

LIGHT BAR MOUNT	
HKB-FPIU20-HP	Hook required with hook-on mount, 44-, 45-, 46-, 48-, 51- and 53-inch light bars
Z865300717	Spacer kit for use when mounting external Opticom on Legend, Allegiant, or Integrity light bars
HKB-FPIU20-44-HP	Hook required with hook-on mount, 44- and 46-inch Valor and VSLR light bars using standard foot
AUDIBLE WARNING BRACKETS	
ESBL-FPIU20	Kit, combination bracket for mounting (1) ES100C and (2) MPSU lights behind the grille
ESB-FPIU20NDB	No drill bracket for mounting (1) ES100C or (1) AS124 speaker behind the grille utilizing pre-drilled holes, for use with push bumpers
ESB2-FPIU20NDB	No drill bracket for mounting (2) ES100C or (2) AS124 speaker behind the grille utilizing pre-drilled holes, for use with push bumpers
ESB-U	Multi-Vehicle bail bracket, ES100C
RBS-FPIU20ND	(1) Rumbler Solo or (1) Compact, no drill, passenger side bracket
RBC2-FPIU20ND	(2) Compact, no drill, (1) passenger side bracket and (1) driver side bracket
GRILLE LIGHT BRACKETS	
IPX-GRL16	Single, no drill, grille bracket with hardware, horizontal mount orientation, each bracket holds (2) MPSU lights
IPX-GRL17	Pair of lower grille brackets with hardware, horizontal mount orientation, each bracket holds (2) MPS3U/MPS6U lights
SLB-001	Long L-bracket, CN SignalMaster in lower portion of grille
MPSM6U-FPIU20GCO	Kit of two grill cut-out brackets, adapts (2) MPS6U lights to OEM grill cut-outs
MPSC-(color)/MPSC2-(color)	MicroPulse C Series lights will mount into the recessed area of the grille that Ford provides to accommodate grille lights
ESBL-FPIU20	Kit, combination bracket for mounting (1) ES100C and (2) MPSU lights behind the grille
FOG LIGHT AREA	
MPS6U-FPIU20FOG	Pair of fog light brackets, each bracket holds (1) MPS3U/MPS6U light
MicroPulse Ultra	MPS3U, MPS6U, and MPS12U lights will fit surface mounted to plastic filler, non-fog light equipped models
HOOD MOUNT	
MPS650/MPS652	MicroPulse 6, Hood/Grille mount, 6-LED light head, Single or Dual Color
LICENSE PLATE BRACKETS	
IPX-LPH1	Generic high-side license plate holder with horizontal mount tab on each side, bracket holds (2) MPS3U lights
IPX-LPV1	Flat surface license plate mount, various vehicles without recessed plate mounting locations, bracket holds (2) MPS3U lights
IPX-LPV2	Adjustable license plate mounting kit to mount light heads to the license plate of popular vehicles, bracket holds (2) MPS3U/MPS6U/MPS12U lights
MPSM-LPH1	Horizontal license plate bracket, mounts (2) MPS3U/MPS6U/MPSC lights, fits most vehicles
MPSM6-LPH1	Horizontal license plate mount, (2) MPS6U, MPS12U, MPSW9 lights
MPSM6-LPV1	Vertical mount license plate brackets, each bracket holds (2) MPS6U lights on each side
INTERIOR FRONT HEADLINER	
SIFMJS	SpectraLux ILS Low-Profile, 8-head Front Split, Center-focused style
SIFZJS	SpectraLux ILS Low-Profile, 8-head Front Split, Off-Axis style
XSMBKT01	Visor mount kit for use with XSM1/XSM2 lights
XSMBKT03	Headliner mount bracket for use with XSM1/XSM2 lights
XSMBKT11	Visor mount kit for use with (1) XSM1/XSM2 and (2) cameras (forward and rear facing)

FRONT

1 SpectraLux® ILS Low-Profile

The slim-line, multicolor interior lighting system blends into the headliner of the vehicle making it ideal for undercover applications.

3 MicroPulse® C Series

Low-profile, slim-line design is available in single and dual color models

2 4 5 MicroPulse® Ultra

Ultra low-profile design offers a range of mounting options to fit various applications and is available in single and dual color models.

6 CN SignalMaster™

Multicolor warning light with directional and area lighting capability available in 4- and 8-head models.



SpectraLux® ILS Low-Profile provides a tight fit to the front headliner of the vehicle and offers the same advanced warning, takedown, and flood lighting capabilities as a full-size light bar.



MicroPulse® C Series lights come with an optional stud mount that provides easy installation in the pre-drilled grille of the Ford Police Interceptor Utility.



MicroPulse® Ultra light heads can be programmed to operate as a single unit or in synchronization with multiple MicroPulse light heads.



SIDE

1 2 4 7 8 9 MicroPulse® Ultra

Ultra low-profile design offers a range of mounting options to fit various applications and is available in single and dual color models.

3 XStream®

Single or dual-head, tri-color interior light with accessory plug or wire leads.

5 MicroPulse® Wide Angle

Curved design offers 180° light spread.

6 416900Z/416910Z Corner LED

Single-head in-line Corner LED available in single and dual color models.



51-inch **Valor**® with low-profile hook mount



51-inch **Integrity**® with low-profile hook mount



53-inch **Allegiant**® with low-profile hook mount

LIGHT BARS

	Valor	Integrity	Allegiant
Recommended lengths for Ford Police Interceptor Utility (inches)	44, 51	44, 51	45, 53
Hook Mounting Options	Standard and Low Profile	Standard and Low Profile	Standard and Low Profile
Non-linear / V-Shape	•		
Low-profile	•	•	•
Dome colors	Clear	Clear	Amber, Black, Blue, Clear, Gray, & Red
LED colors	Amber, Blue, Green, Red, & White	Amber, Blue, Green, Red, & White	Amber, Blue, Green, Red, & White
Solaris® LED Reflectors	•	•	•
ROC (Reliable Onboard Circuitry™)	•	•	•
FS Convergence Network	•	•	•
SpectraLux® Multicolor LED	•	•	•
Two color capability	•	•	•
Three color capability	•	•	•

EXCLUSIVE TECHNOLOGIES



FS CONVERGENCE NETWORK enables true "plug-and-play" installation and programming.



FSLINK® is an embedded software technology incorporating a shared set of flash patterns within Federal Signal's LED mini-lightbars, beacons, and warning lights. This shared set of flash patterns and a common color-coded, five-conductor cable allows the various products to be wired together, set in a common pattern, and then synchronized together to flash simultaneously or alternately.



FSJOIN™ is a programming compatibility feature of Federal Signal's light bars, exterior/interior warning lights, sirens, and controllers. This technology provides users with a highly customizable visual/audible vehicle warning system.



HOTFOOT® lighted mounting feet accommodate LED takedown and alley lights.



SPECTRALUX® multicolor LED technology provides the ability for a single light head to change color while in operation.



Q-SIREN® The sound of the Q-Siren® is a registered trademark of Federal Signal Corporation, and it provides a distinct, recognizable long-distance warning.



ROC (RELIABLE ONBOARD CIRCUITRY™) technology eliminates approximately 85% of connection failure points found in a typical light bar.



RUMBLER® Ideal for dense urban environments, Rumbler® is a low-frequency siren that works simultaneously with a primary siren tone to penetrate solid material, allowing vehicle operators and nearby pedestrians to feel the sound waves.



SLR (SOLARIS® LED ROTATOR) maximizes the LED light source for full light coverage. SLR rotators provide rotating, oscillating, flashing, and flood light functionality.



SOLARIS® LED reflector technology maximizes optical efficiency and provides superior off-axis warning.



V-SHAPE® light bar is mechanically designed to have a non-linear shape (V-Shape), providing an advantage in terms of off-axis warning performance compared to light bars with a traditional linear shape.



MicroPulse® Ultra's lens is made of UV resistant polycarbonate to protect against harsh conditions. Models include a fully encapsulated water-proof housing, which provides a barrier against moisture and condensation.



MicroPulse® Wide Angle utilizes (9) or (12) LEDs and is ideal for mounting on push bumpers, rub rails, side mirrors and spoilers.



XStream® models include a light head, suction cups, mounting brackets, and three different length snap-on flash guards, making installation quick and versatile.



RBKIT-SOLO



RBKIT2-COMPACT



ES100C

DynaMax®/ES100C Speaker

- Slim and lightweight, compact 100 W speaker
- Neodymium driver increases performance and reliability
- High-strength composite housing is chemical resistant and maintains rigidity at high temperatures

ES100C Speaker, 100 W, high-output, Class A

Rumbler®

Rumbler traffic clearing system provides low-frequency warning that penetrates solid materials allowing vehicle operators and nearby pedestrians to FEEL the sound waves.

RBKIT-SOLO

Single Rumbler Solo low frequency speaker for use with sirens with integrated Rumbler capability

RBKIT2-COMPACT

Pair of Rumbler Compact low frequency speakers for use with sirens with integrated Rumbler capability



PFSYNC-1

On Scene Sync Module

- Synchronize warning lights and voice messages between multiple "like programmed" vehicles
- Utilizes GPS signal to maintain timing
- Sync unlimited number of vehicles within any distance
- Includes an ambient light sensor to auto adjust warning lights

PFSYNC-1 On Scene Sync Module, GPS/Ambient



EXPMOD-2

Rear Expansion Module

- Provides the ability to flash and blackout OEM brake, tail, turn, and reverse lighting and blackout third brake light
- (18) Solid state fully programmable relay outputs, ((16) 7.5 Amp High and (2) 20 Amp High)
- Vehicle-specific rear taillight connection wire harnesses sold separately

EXPMOD-2 Rear expansion module, (18) solid-state programmable relay inputs, (16) 7.5 A flashing outputs and (2) 20 A control outputs



EXPMOD24

24-Channel Expansion Module

- 24-Channel solid-state relay outputs, 2.5 A Max (active high), 30 A Maximum total
- Potted to help protect from unfavorable weather making it ideal for under the hood mounting
- All weather-proof connections

EXPMOD24 24-channel expansion module

REAR

1 MicroPulse® Ultra D-Pillar

Rear warning lighting system that includes (6) MPS6U tri-color light heads, (2) shroud/bracket assemblies, (3) harnesses, and (1) EXPMOD24 Expansion Module.

3 6 MicroPulse® Ultra

Ultra low-profile design offers a range of mounting options to fit various applications and is available in single and dual color models.

2 SpectraLux® ILS Low-Profile Rear Hatch

The slim-line, multicolor interior lighting system blends into the headliner of the vehicle making it ideal for undercover applications.

4 416900Z/416910Z Corner LED

Single-head in-line Corner LED available in single and dual color models.

5 416300 Series

Single color and dual color, flush mount light head.

PATHFINDER, RUMBLER & SPEAKERS



PF200



PF200R



PF200H



PF200S17B



PF200S6



PF200S4

Pathfinder® Siren and Light Controller is packed with features that puts you in control of your vehicle:

- 100/200 W siren/light controller
- Dual tone capability when used with two speakers
- Integrated Rumbler® traffic-clearing capability
- On-Board Diagnostics (OBD) integration
- Programmable timer feature
- Library of selectable siren tones
- Voice Message Capability
- (7) Programmable inputs and (12) programmable solid-state outputs
- (2) Convergence Network ports
- Convergence Network Configuration software allows for easy customization
- Meets or exceeds SAE, CCR Title 13, and NFPA requirements

PF200	Siren/Light Controller with Self-contained controls and microphone
PF200R	Siren/Light Controller with Remote surface mount controller and microphone
PF200H	Siren/Light controller with Handheld controller and microphone
PF200S17B	Siren/Light Controller with 17 button surface mount controller and microphone
PF200S6	Siren/Light Controller with 6 button surface mount controller and microphone
PF200S4	Siren/Light Controller with 4 button surface mount controller and microphone



SpectraLux® ILS Low-Profile models feature SpectraLux® technology, which allows a single LED light source to change color while in operation. Front models feature White LEDs that can act as an impressive flood light, and rear models feature Amber LEDs that can be used as an "Amber-override" for directional lighting.



416300 Series is ideal for mounting in a variety of applications such as tailgates, bumpers, running boards, push bumpers, grille, side mirrors and inside of trunk lids and door panels.



MicroPulse® Ultra D-Pillar lighting system is pre-assembled with pre-terminated MPS6U light heads to reduce installation time and is available in (2) tri-color combinations: Red/Blue/White or Red/Blue/Amber.



416900Z/416910Z Corner LEDs can be synchronized to flash simultaneously or alternatively and are suitable for external and internal use.

DFC SERIES

1 Push Bumper

Designed with maximum safety in mind, and it offers customization for your specific needs while providing the best strength, durability, and protection.

2 Top Channel

Allows for customizations and provides extra lighting to the front of the vehicle.

3 Lower Guard

Designed to bolt directly to a DFC Series push bumper, allowing for PIT maneuver protection.

4 Upper Guard

Vehicle specific contour design provides the best overall look and fit while offering additional protection to the front end and headlight.

5 Center Bar

Unique center bar with dual-speaker mounting locations for ease of installation and serviceability.



No drilling is required, making installation quick and easy. The push bumper features pre-drilled holes to bolt optional lower guard and upper guard.

Top Channels are available in solid, two-light, and four-light options.

PUSH BUMPER

DFC-PB-FPIU20 Push bumper

TOP CHANNEL (MUST ORDER 1 WITH EACH PUSH BUMPER)

DFC-TCP Solid top channel

DFC-TC2L Two-Light top-channel for use with MPS6U lights (lights sold separately)

DFC-TC4L Four-Light top-channel for use with MPS6U lights (lights sold separately)

OPTIONAL LOWER GUARDS (ORDER 1 WITH EACH PUSH BUMPER IF DESIRED)

DFC-LG-FPIU20 Lower guards for use with DFC-PB-FPIU20

OPTIONAL UPPER GUARDS (ORDER 1 WITH EACH PUSH BUMPER IF DESIRED)

DFC-UG-FPIU20 Upper guards (lower guard required)

OPTIONAL WIRE COVERS

DFC-WC-FPIU20 Wire covers for use with DFC-PB-FPIU20

ACCESSORIES

DFC-SB-750501 (1) Speaker bracket, for mounting (1) AS124 speaker

DFC-SB-ES100C (1) Speaker bracket, for mounting (1) ES100C speaker