

**WIRED AND READY**

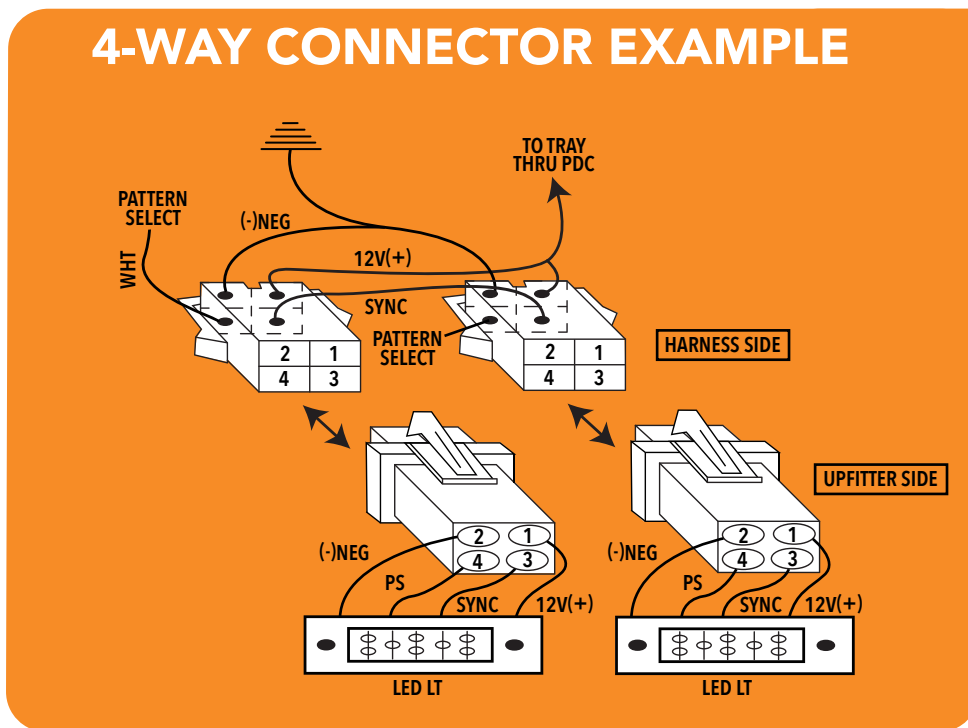
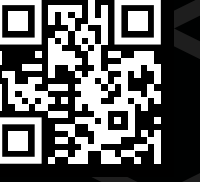
[GFXLAW.COM](http://GFXLAW.COM)





# XPW / XWK DURANGO PURSUIT REFERENCE GUIDE

GFXLAW.COM  
1-800-739-6837



### 4-WAY WHITE CONNECTOR (XPW HARNESS SIDE)

LED LIST: GRILLE, CORNER, MIRROR, B-PILLAR, DECK, LIC PLT AND TAIL

PIN	FUNCTION	COLOR	AWG
1	(+) SW SOURCE	SEE DIAGRAM CONN	18
2	(-) GROUND	BLK	18
3	SYNC BETWEEN PAIRS	SEE DIAGRAM CONN	18
4	PATTERN SELECT	WHT	18

☐ - EMPTY CONNECTION SQUARE REPRESENTS NO PIN

### 2-WAY BLK SPEAKER CONNECTOR

PIN	FUNCTION	COLOR	AWG
A	SIREN LO	GRN/WHT	18
B	SIREN HI	BLK	18

### FACTORY UNDERHOOD BLUNT CUTS

FUNCTION	COLOR	AWG
SPARE 1	ORG	18
SPARE 2	ORG/BLK	18
SIREN HI	BLK	18
SIREN LO	GRN/WHT	18
GRILLE LED (+)	BLK/ORG	18
CORNER LED (+)	BLK/GRN	18

### 12 PIN GRV VSIM FEMALE CONNECTOR (BODY SIDE)

PIN	FUNCTION	COLOR	AWG
1	BATTERY (+) 20A	GRV/RED	16
2	BATTERY (+) 20A	VIO/RED	16
3	BATTERY (+) 20A	WHT/RED	16
4	IGN RUN	PNK	16
5	IGN (+) SENSE	PNK/GRV	16
6	IGN (+) 20A	PNK/BLU	16
7	GND	BLK	16
8	DRV SEAT SW REAR VERT/HOR SW AUX	GRN/WHT	16
9	AUX 1 RLY CNTRL SIG	BRN/ORG	18
10	AUX 3 RLY CNTRL SIG	BRN/WHT	18
11	SPARE UPFITTER SW	ORG	18
12	SPARE 2	ORG/BRN	18

### UNDERHOOD HARNESS FEMALE CONNECTOR

PIN	FUNCTION	COLOR	AWG
A	GRILLE LED(+)	BLK/ORG	18
B	GRILLE LED(-)	BLK	18
C	CORNER LED(+)	BLK/GRN	18
D	CORNER LED(-)	BLK	18
E	SIREN LO	GRN/WHT	18
F	SIREN HI	BLK	18

### UNDERHOOD HARNESS MALE CONNECTOR

PIN	FUNCTION	COLOR	AWG
A	NC		18
B	GRILLE LED(-)	BLK	18
C	NC		18
D	CORNER LED(-)	BLK	18
E	NC		18
F	NC		18

### 12 PIN GRV VSIM FEMALE CONNECTOR (XPW SIDE)

PIN	FUNCTION	COLOR	AWG
1	BATTERY (+) 20A	GRV/RED	16
2	BATTERY (+) 20A	VIO/RED	16
3	BATTERY (+) 20A	WHT/RED	16
4	IGN RUN	PNK	16
5	IGN RUN/ACC RLY CNTRL	PNK/GRV	16
6	IGN RUN RLY CNTRL	PNK/BLU	16
7	GND	BLK	16
8	DRV SEAT SW REAR VERT/HOR SW AUX	GRN/WHT	16
9	AUX 1 RLY CNTRL SIG	BRN/ORG	18
10	AUX 3 RLY CNTRL SIG	BRN/WHT	18
11	SPARE UPFITTER SW	ORG	18
12	SPARE 2	ORG/BRN	18

### VISOR BLUNT CUTS (JUMPER)

FUNCTION	COLOR	AWG
VISOR PWR(+)	YLW/DBU	16
GND	BLK	16

### VISOR LED (2 PIN CONNECTOR)

PIN	FUNCTION	COLOR	AWG
1	VISOR LED(+)	RED/ORG	18
2	GND	BLK	18

### 3 PIN WHT MALE CONNECTOR

PIN	FUNCTION	COLOR	AWG
1	SIREN HI	BLK	18
2	NC		
3	SIREN LO	GRN/WHT	18

### LIGHTBAR BLUNT CUTS

FUNCTION	COLOR	AWG	FUS#	AMP
LIGHTBAR B(+)	RED	10	F28	30
LIGHTBAR NEG(-)	BLK	10	N/A	N/A

### XPW HARNESS CARGO AREA BLUNT CUTS

FUNCTION	COLOR	AWG	FUS#	AMP
BATTERY (+) OUTPUTS				
SIREN IN 1 A	RED	12	F21	20
SIREN IN 1 B	RED	12	F22	20
SIREN IN 2 B	RED	10	F24	20
PRINTER	GRV	16	F39	5
REAR RADIO BATT	RED	10	F26	20
RADAR	PNK/VIO	16	F27	10
LIGHTING/SIREN				
LIGHTBAR REAR	DGN/VIO	18	F13	2
T/A FLASH	DBU/WHT	18	F20	2
T/A RIGHT	ORG	18	F19	2
T/A LEFT	WHT/BLK	18	F18	2
TAKEDOWN	BLK/YLV	18	F9	2
RIGHT ALLEY	DBU/ORG	18	F10	2
LEFT ALLEY	RED/DGN	18	F11	2
LIGHTBAR FRONT	YLW/VIO	18	F12	2
LIC PLATE (+)	PNK/YLV	18	N/A	
LIGHTBAR REAR	DGN/VIO	18	F13	2
IGNITION (+) OUTPUTS				
REAR RADIO IGN (+)	GRV/VIO	18	F32	5
SIREN CONTROLLER	RED	12	F31	20

### CENTER CONSOLE AREA BLUNT CUTS

FUNCTION	COLOR	AWG	FUS#	AMP
COMPUTER B(+)(TIMER OPT) DGN		12	F36	15
RADIO IGN(+)	YLW	20	F34	5
CAMERA B(+)(TIMER OPT) GRV/DBU		12	F37	10
MODERN IGN(+)(TIMER OPT) WHT/VIO		16	F38	10
SIREN 2A B(+)	RED	10	F23	20
RADIO BATT B(+)	RED	10	F25	20
SIREN CTRL IGN(+)	RED/YLV	18	F34	5
GUNLOCK	DBU	16	F17	5

### 6 PIN MALE CONNECTOR CARGO BOX

PIN	FUNCTION	COLOR	AWG
1	AUX IGN SENSE	ORG/VIO	18
2	NC		18
3	PANIC ALARM ACTIVATION	VIO/BLU	18
4	HEAD LAMPS ON/STROBE	BRN/BLU	20
5	DOOR AJAR DRV	BRN/GRV	20
6	NC		20

### 15 PIN WHT MALE CONNECTOR CARGO BOX

PIN	FUNCTION	COLOR	AWG	FUS#	AMP
1	B-PIL LED(+)	RED/BRN	18	F7	5
2	VISOR LED(+)	RED/ORG	14	F4	5
3	MIRROR LED(+)	RED/WHT	18	F3	5
4	GRILLE LED(+)	BLK/ORG	18	F2	5
5	T/A LEFT	WHT/BLK	18	F18	2
6	T/A RIGHT	ORG	18	F19	2
7	GUNLOCK	BLU	16	F17	5
8	T/A FLASH	BLU/WHT	18	F20	2
9	HORN MUTE TRAY	BRN/YLV	20	RLY COIL	
10	FRONT WIGWAG	BRN/ORG	20	F15	2
11	CORNER LED	BLK/GRN	18	F1	5
12	DECK LED	RED/GRV	18	F8	5
13	REAR WIGWAG	BRN/VIO	20	F14	2
14	TAIL LED(+)	RED/BLU	18	F16	2
15	HORN SENSE TRAY	BRN/GRV	20	RLY CONTACT	

### TRAFFIC ADVISOR BLUNT CUTS

FUNCTION	COLOR	AWG
T/A	WHT/DBU	18
GND	BLK	18

### TRX BLUNT CUT

FUNCTION	COLOR	AWG
TRX-UPFITTER TRANS PARK POSITION	YLW/DBU	20

### 24 PIN WHT VSIM MALE CONNECTOR (XPW SIDE)

PIN	FUNCTION	COLOR	AWG
1	FRONT WIGWAG SIG	BRN/ORG	22
2	REAR WIGWAG SW	BRN/VIO	22
3	AUD-UPFITTER AUDIO MUTE SW SIG	GRV/GRN	20
4	BRK-UPFITTER BRAKE PEDAL DEPRESSED	DGN/ORG	20
5	HORN ACTIVATION	BRN/GRV	22
6	TRX-UPFITTER TRANS PARK POSITION	YLW/DBU	20
7	PANIC ALARM ACTIVATION	VIO/BLU	20
8	HEADLAMPS ON/STROBE	BRN/DBU	20
9	VEHICLE SPEED TRANSMIT	BRN/YLV	20
10	STEALTH MODE ACTIVE	GRN	20
11	UPFITTER SIDE CAN 125(+)	BRN/DBU	20
12	UPFITTER SIDE CAN 125(-)	BRN/BLU	20
13	ILT-CLUSTER DIMMING ACTIVE SIG	ORG/WHT	20
14	ENGINE RUNNING/HR METER	DBU/TAN	20
15	DVR DOOR AJAR	BRN/GRV	20
16	GENERIC 16	BLK	20
17	EGR MTR OUTPUT 3	VIO/TAN	20
18	EGR MTR OUTPUT 3	DBU/WHT	20
19	EGR MTR OUTPUT 3	BRN/DBU	20
20	HORN SW MUTE	GRV/DBU	20
21	PANIC ALARM MUTE SW SIG	DBU/YLV	20
22	NC		
23	SRT UPFITTER SEAT BELT NOT LATCHED	GRN/VIO	20
24	MIL LAMP ON	DGN	20

### 24 PIN WHT VSIM FEMALE CONNECTOR (BODY SIDE)

PIN	FUNCTION	COLOR	AWG
1	FRONT FLASHING LIGHTS SIG	BRN/ORG	22
2	REAR FLASHING LIGHTS SIG	BRN/VIO	22
3	UPFITTER AUDIO MUTE SIG	GRV/GRN	20
4	UPFITTER BRAKE PEDAL SIG	DGN/ORG	20
5	HORN SW SENSE	BRN/GRV	22
6	UPFITTER TRANS PARK SIG	YLW/DBU	20
7	SECURITY ALARM ON SIG	VIO/BLU	20
8	HEADLAMP SW SENSE	BRN/DBU	20
9	VEHICLE SPEED SIG	BRN/YLV	20
10	UPFITTER STEALTH MODE ACTIVE	GRN	20
11	CAN B(+)	BRN/DBU	20
12	CAN B(-)	BRN/BLU	20
13	UPFITTER DIMMING ACTIVE SIG	ORG/WHT	20
14	ENGINE RUNNING STATUS SIG	DBU/TAN	20
15	DVR DOOR AJAR SW SENSE	BRN/GRV	20
16	GND	BLK	20
17	EGR CNTRL 2	VIO/TAN	20
18	EGR CNTRL 3	DBU/WHT	20
19	VEHICLE SPEED SIG	BRN/DBU	20
20	HORN MUTE SIG	GRV/DBU	20
21	SECURITY ALARM MUTE SIG	DBU/YLV	20
22	NC		
23	UPFITTER SEAT BELT SW SENSE	GRN/VIO	20
24	MAJUNCTION INDICATOR SIG	DGN	20

- XPW TIMER CIRCUIT**  
REMOVE THE 150 AMP FUSE BETWEEN BATTERY AND XPW PDC. (FUSE IS LOCATED NEAR OEM BATTERY, INTERIOR OF VEHICLE UNDER PASSENGER SEAT). REMOVE THE BUSBAR THAT IS ON POST 5-8 OF PDC. CUT BUS BAR IN HALF AND RE-INSTALL HALF OF THE BUSBAR TO STUDS 7&8. RE-INSTALL THE REMOVED AN AFTERMARKET TIMER WILL NEED TO BE PROVIDED, AND INSTALLED PER MANUFACTURER'S INSTRUCTION. "AUX IGN (+) SENSE" WIRE CAN BE FOUND IN THE WHITE 6 WAY, PIN 1. ORG/VIO WIRE. PLACE THE SECOND HALF OF THE BUSBAR ON TO PDC STUDS 5&6. CONNECT THE AFTERMARKET TIMER'S OUTPUT WIRE TO STUD #6. RE-INSTALL HARDWARE THAT WAS REMOVED IN STEP 2 TO SECURE BUSBAR AND OUTPUT WIRE TO PDC. TORQUE PDC TO 16NM +/- 1.5NM. RE-INSTALL 150 AMP FUSE, REMOVED IN STEP 1. TORQUE FUSE HOLDER FASTENERS TO 15NM +/- 3NM.
- GROUNDING**  
1. ALL LIGHTING CIRCUITS ARE GROUNDED THROUGH 4-WAY CONNECTORS VIA MAIN HARNESS TO CHASSIS.  
2. THE PDC COIL RELAYS ARE GROUNDED THROUGH MAIN HARNESS CHASSIS VIA THE "DIVEC" WIRE.

### XPW GND TABLE

FUNCTION	COLOR	AWG
LIGHTBAR	BLK	10
DIVEC	BLK	18
DRV & PASS TAIL LED	BLK	18
DRV & PASS LIC PLATE LED	BLK	18
DRV & PASS DECK LED	BLK	18
TRAFFIC ADVISOR	BLK	18
DRV & PASS B-PILLAR LED	BLK	18
DRV & PASS MIRROR LED	BLK	18
VISOR	BLK	18
VISOR JUMPER	BLK	14

