

**Police Vehicle Wiring Guide (FORD PIU) (42 WIRE FENIEX HARNESS)**  
**Borough of Mount Pleasant PD 2017 FORD PIU WIRING (CAR 6-11)**  
**VIN: 1FM5K8AR0HGC78813**

**ENGINE TO TRAY**

1. Red#0 (8ga) = 60amp breaker/solenoid (driver side shock mount)
2. Yellow#4 (14ga) = 85amp Solenoid power (Main) (Rear fused 5amp/Chargeguard)
3. Red#3 (14ga) = Pushbar MODE 2&3 A (Rear fused 5amp)
4. Red#7 (14ga) = Headlight LED's
5. Orange#5 (12ga) = (SPARE)
6. Green#2 (14ga) = SPEAKER
7. Purple#1 (14ga) = SPEAKER

**CONSOLE TO TRAY**

1. Orange#1 (12ga) = RADIO (+)
2. Orange#2 (12ga) = (SPARE)
3. Orange#3 (12ga) = (+) CONSTANT 12V – CHARGE GUARD-(BATT) (OEM fused 6 pin @ 30amp)
4. Orange#4 (12ga) = Cigarette Lighter Plugs 3 Gang (+)
5. Red#1 (12ga) = (+) GUN LOCK
6. Red#2 (14ga) = (SPARE)
7. Green#1 (18ga) = PARK DETECT (-) (OEM GN (#12) = Park Detect to 4200/Siren Kill)
8. Yellow#1 (18ga) = IGNITION (+) (OEM VT/BN (#14) = POL R/S #2 / Rear fused 1amp)
9. Black#1 (4ga) = LOCAL GROUND
10. PA MIC Cable to Siren
11. 4200 TO Controller Cat5

**PS REAR WINDOW TO TRAY**

1. Red#5 (14ga) = Mode 1 & Main Power for Light stick via rear rocker switch (Rear fused 5amp)
2. Yellow#2 (14ga) = Mode 2 Light Stick LED
3. Green#3 (14ga) = Mode 3 Light Stick LED
4. Drk. Blue#1 (18ga) = Pattern Light Stick LED
5. Red#6 (14ga) = Mode 1 Backup / Side LED Mode 1
6. Yellow#3 (14ga) = Mode 2 Backup / Side LED Mode 2
7. Green#4 (14ga) = Mode 3 Backup LED Mode 3
8. Lt. Blue#1 (18ga) = Pattern Backup LED
9. Red#8 (14ga) = Mode 1 & Main Power for Side LEDS \*NOT USED
10. White#0 (14ga) = Mode 2 Side Light Stick LED \*NOT USED
11. Green# 5 (14ga) = Pattern Side Light Stick LED \*NOT USED
12. Black#0 (14ga) = LOCAL GROUND (NOT IN HARNESS)

**PS REAR DOOR WINDOW TO TRAY**

1. Pink#1 (14ga) = Mode 1 PS Window-Bars Light
2. Gray#1 (14ga) = Mode 2 PS Window-Bars Light
3. Black#2 (14ga) = Ground PS Window-Bars Light
4. Drk. Blue#2 (18ga) = Pattern PS Window-Bars Light

**DS DOOR WINDOW TO TRAY**

1. Pink#2 (14ga) = Mode 1 DS Window-Bars Light
2. Gray#2 (14ga) = Mode 2 DS Window-Bars Light
3. Black#3 (14ga) = Ground DS Window-Bars Light
4. Drk. Blue#3 (18ga) = Pattern DS Window-Bars Light

**LIFTGATE TO TRAY**

1. Brown#1 (14ga) = Mode 1 License Plate Lights
2. White#1 (14ga) = Mode 2 License Plate Lights
3. Black#4 (14ga) = Ground License Plate Lights
4. Drk. Blue#3 (18ga) = Pattern License Plate Lights