

**FOUO**

# PM MTV Gun Ring Smartbook



August 2013



**FOUO**



# **VEHICLE CONFIGURATIONS**



# Vehicle Configurations – Armored

Radian Armor Cab Kit (RACK) – FMTV A0P1, FMTV A1P1



Long Term Armor Strategy (LTAS), armored – FMTV A1P2



Low Signature Armor Cab (LSAC)  
FMTV A0P1, FMTV A1P1



No longer a supported FMTV configuration



# Vehicle Configurations – Non-Armored

Standard Cab – FMTV A0, FMTV A1



Long Term Armor Strategy (LTAS), non armored – FMTV A1P2





# **GUN RING KITS**



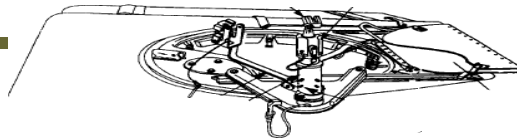
# Gunner Restraint Kits

- Gunner Restraints Kits
  - Required for any vehicle with a gun ring installed
  - Standard cab
    - ❖ PN: 57K4941
    - ❖ NSN: 2540-01-569-8599
  - LSAC
    - ❖ PN: 57K4942
    - ❖ NSN: 2540-01-569-6578
  - LTAS
    - ❖ Gunner restraint kit is included in the gun ring kit (PN 57K6026) and weapon station kit (PN 57K2756), but can be obtained separately if necessary by the part number/NSN below.
    - ❖ PN: 57K6027
    - ❖ NSN: 2540-01-571-8576

# Standard Cab – FMTV A0, FMTV A1



As of 22 Sept, 10



M1025/M1026/M1114 HMMWV PINTLE ADAPTOR  
NSN 3120-01-188-5082

**OR**



M66 MACHINE GUN MOUNT RING  
NSN 1005-00-701-2810  
(Class II)



800 SERIES 5-TON & M35 2.5-TON  
MOUNTING KIT  
NSN 1005-01-226-4589  
CAB REINFORCEMENT KIT  
NSN 2590-01-322-2694  
(Class IX)



LMTV & FMTV  
MOUNTING KIT  
NSN 1005-01-381-5431  
(Class IX)

**OR**



LIGHT WEIGHT RING MOUNT



900 SERIES 5-TON  
LIGHTWEIGHT RING MOUNT  
NSN 1005-01-432-3339  
(Class IX)  
CAB REINFORCEMENT KIT  
NSN 2590-01-436-9144  
(Class IX)



HEMMT  
MOUNTING KIT

HEMTT  
MOUNTING KIT  
NSN 1005-01-519-2126  
Class IX



PLS  
MOUNTING KIT  
NSN 1005-01-523-6549  
Class IX

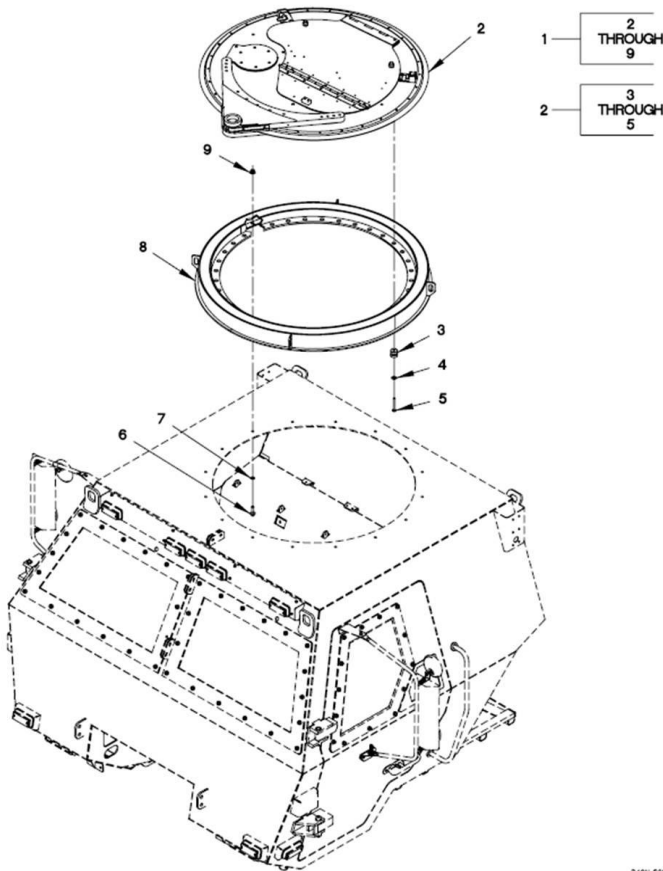
Only weapons safety  
certified for M939 is MK19,  
M2, M60

Only mounts that can be used  
On M939 are MK93 mod 1 and  
MK64 mod 9

# LSAC – FMTV A0P1, FMTV A1P1



- Only M1114 gun rings can be installed
- All LSACs are produced with a M1114 installed



3401L S01A

### Call Out Number

<u>Call Out Number</u>	<u>PN</u>	<u>NSN</u>	<u>Description</u>
1	APC30159	2510-02-532-0582	Ring, Machine Gun
2	APC30215	2510-01-532-1105	• Turret Assembly
3	4668958-003	5365-01-474-6596	- Bushing
4	4397005-015	5319-01-436-3742	- Washer
5	4397001-070	5306-01-532-1113	- Bolt
6	APC30300	5330	• Screw, Hex Cap
7	12414473-014	5310-01-363-0740	• Washer, Flat - M10
8	APC30019	533	• Adapter, Ring
9	APC30301	533	• Nut, Flanged Hex





# LTAS – FMTV A1P2

- **M66 Gun Ring Mount**

- Required when mounting a crew served weapon
  - ❖ GPK/OGPK will NOT mount to this ring
- Mounts directly to the roof of the LTAS cab
- Only requires a seal (see #10 on the following chart) to help mitigate water intrusion; quantity required – 4 each
  - ❖ PN 12505430
  - ❖ NSN 5330-01-567-9060

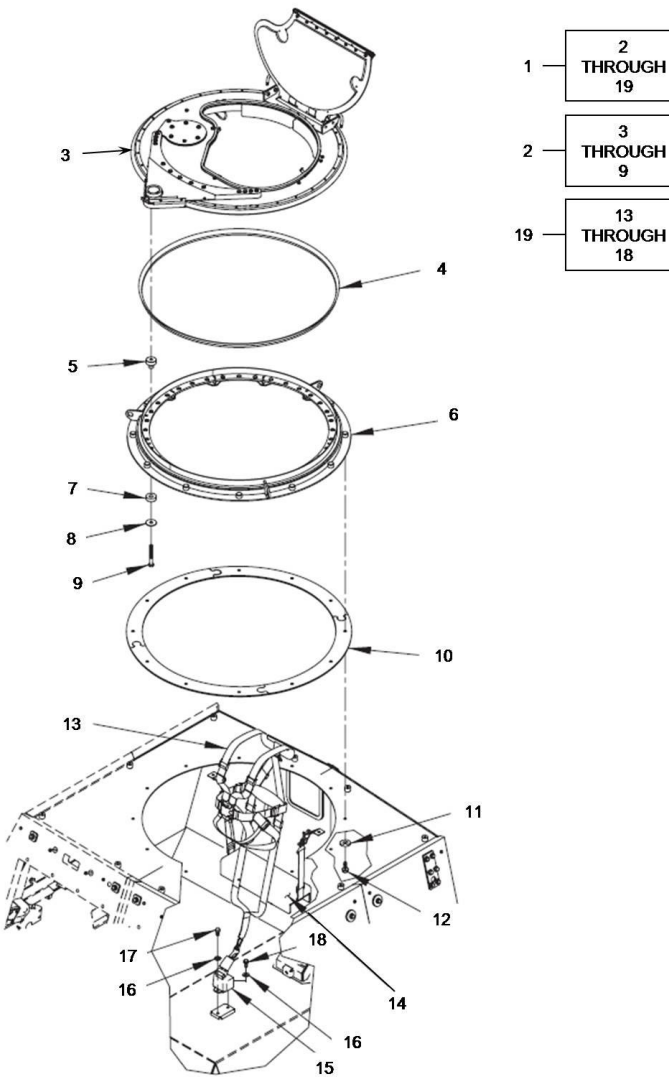
- **M1114 Gun Ring Mount\*\***

- Required when mounting a crew served weapon and/or GPK/OGPK
- Kit: M1114 gun ring mount and all associated mounting components
  - ❖ PN 57K6026
  - ❖ NSN 2510-01-567-8727
- Kit: All associated mounting components (M1114 gun ring mount NOT included) – used if unit already has a M1114 gun ring mount available for use
  - ❖ PN 57K2756
  - ❖ NSN 1005-01-577-2656

**\*\*See the following chart for a kit breakdown for the M1114 Gun Ring Mount**



# Weapon Station Kit (LTAS only)



To mount either a crew serve weapon or OGPK on LTAS, the Weapon Station Kit is needed.

**PN 57K6026; NSN 2510-01-567-8727**

## Call Out

Number	PN	NSN	Description
1	<b>57K6026</b>	<b>2510-01-567-8727</b>	<b>Kit, Weapon Station</b>
2	<b>12505884</b>	<b>2510-01-583-8987</b>	• <b>Weapon Station Assembly</b>
3**	12505891	2510-01-578-4322	- Turret, Ring Assembly
5	4668958-1	5365-01-571-1041	- Bushing, Upper
7	4668958-2	5365-01-570-7459	- Bushing, Lower
8	12505366-004	5310-01-570-7676	- Washer, Snubber
9	AEB021375C00AW8A2	N/A	- Screw, Cap, Hexagon
4	12505479	5330-01-573-8894	- Seal, Wipe
6	12505480	1005-01-575-6054	- Ring, Interface
10	<b>12505430</b>	<b>5330-01-567-9060</b>	• <b>Seal, Nonmetallic</b>
11	<b>12414473-016</b>	<b>5310-01-375-0659</b>	• <b>Washer, Flat</b>
12	<b>12505457-002</b>	<b>5306-01-567-6548</b>	• <b>Bolt, Machine</b>
19	<b>57K6027</b>	<b>2540-01-571-8576</b>	• <b>Kit, Gunner's Restraint</b>
13	900-US-07301	4240-01-542-8160	- Safety Device, Person
14	13014413	2540-01-550-7246	- Seat, Vehicular
15	901-US-07301-1	2540-01-543-0747	- Assembly Kit, Vehicular
16	12422608-015		- Washer, Flat
17	B1821BH044F125N	5305-00-709-8523	- Screw, Cap, Hexagon
18	B1821BH044F100N	5305-00-709-8517	- Screw, Cap, Hexagon

**\*\* Note:** If the unit already has a M1114 Gun Ring (Call Out Number 3 above) on hand, only the Weapon-Transfer Mounting Kit (PN 57K2756; NSN 1005-01-577-2656) is needed.



# **GUNNER PROTECTION KITS**

# Gunner Protection Kits (GPK)



	Baseline GPK/GS	OGPK
Standard Cab	X	X
LSAC	✓	X
LTAS	✓	✓

✓ - approved for installation  
 X - not approved for installation

# Baseline Gunner Protection Kit (GPK)



<u>PN</u>	<u>NSN</u>	<u>Description</u>	<u>PN</u>	<u>NSN</u>	<u>Description</u>
<b>6431770</b>	<b>2510-01-532-5221</b>	<b>Gunner Protection Kit</b>			
<b>6431779</b>	<b>5340-01-535-4868</b>	<ul style="list-style-type: none"> <li>• <b>Gunner Protection Hardware Kit</b> <ul style="list-style-type: none"> <li>- Capscrew, .375-16 x 1.00</li> <li>- Capscrew, .375-16 x 1.25</li> <li>- Capscrew, .375-16 x 1.50</li> <li>- Capscrew, .375-16 x 1.75</li> <li>- Capscrew, .375-16 x 2.00</li> <li>- Capscrew, .375-24 x 1.25</li> <li>- Washer, Lock-Spring, .375</li> <li>- Washer, Flat, .375 USS</li> <li>- Nut, Hex Locking, .375-16</li> <li>- Screw, Flat HD, .375-16 x 4.00</li> <li>- Screw, BTN HD, .375-16 x 2.00</li> <li>- Capscrew, .375-16 x 5.00</li> </ul> </li> <li>• <b>Traversing Unit Hardware Kit</b> <ul style="list-style-type: none"> <li>- Capscrew, .375-16 x .875</li> <li>- Washer, Flat, .375</li> <li>- Screw, PAN HD, #10 x .625</li> <li>- Capscrew, .250-20 x .625</li> <li>- Washer, Flat, .250</li> <li>- Screw, SOC HD, .375-24 x .875</li> </ul> </li> <li>• <b>Traversing Unit Kit</b></li> <li>• <b>Installation Instructions</b></li> </ul>	<b>6431507-01M1</b>	<b>5340-01-536-9918</b>	<ul style="list-style-type: none"> <li>• <b>Gunner Protection Kit</b> <ul style="list-style-type: none"> <li>- Left Side Aluminum Plate</li> <li>- Rear Aluminum Plate</li> <li>- Right Side Steel Plate</li> <li>- Rear Plate</li> <li>- Right Side Aluminum Plate</li> <li>- Left Side Steel Plate</li> <li>- LH Corner Brace Bracket</li> <li>- RH Corner Brace Bracket</li> <li>- Small Mounting Angle Bracket</li> <li>- Large Mounting Angle Bracket</li> <li>- Gap Strip Plate</li> <li>- Bottom Plate</li> <li>- LH Rear Support Bracket</li> <li>- RH Rear Support Bracket</li> <li>- Hatch Mounting Bracket</li> <li>- Tie Bar</li> <li>- Handle</li> <li>- Clamping Nut Plate</li> <li>- Crossmember Bracket</li> <li>- Crossmember Nut Plate</li> <li>- Universal Crossmember</li> </ul> </li> </ul>
4397000-060	5306-01-433-9196		6431493	2540-01-536-1118	
4397000-062	5306-01-433-9197		6431494	2540-01-536-3581	
4397000-064	5305-01-436-6377		6431495	N/A	
4397000-065	5306-01-433-9198		6431496	N/A	
4397000-066	5306-01-448-5073		6431499	2540-01-536-0927	
7397001-062	5306-01-436-5393		6431500	N/A	
4397004-008	5310-01-417-7273		6431560	N/A	
4397005-015	5310-01-436-3742		6431561	N/A	
1397064-005	5310-01-439-8177		6431611	N/A	
6431753	N/A		6431612	N/A	
6431754	N/A		6431613	N/A	
4397000-078	5305-01-535-5709		6431614	N/A	
<b>6431780</b>	<b>5340-01-535-6946</b>		6431616	N/A	
4397000-059	5305-01-513-5667		6431617	N/A	
4397005-014	5310-01-419-2413		6431637	N/A	
4397054-032	5305-01-513-5711		6431638	N/A	
4397000-005	5306-01-433-9180		6431639	N/A	
4397005-010	5310-01-435-7784		6431642	N/A	
4397030-120	5305-01-535-5632		6431644	N/A	
<b>6435129-01M1</b>	<b>3830-01-536-4083</b>		6431645	N/A	
<b>6431785</b>	<b>N/A</b>		6431647	N/A	





# Baseline Gun Shield (GS)

<u>PN</u>	<u>NSN</u>	<u>Description</u>
<b>57K4470</b>	<b>2510-01-498-4996</b>	<b>Gun Shield Kit</b>
12012065	1010-01-447-2983	• Handle Assy, Locking
12012067	3040-01-447-2276	• Pawl, Clamping
12012071	5325-01-447-2281	• Sleeve, Split
12484846	2540-01-500-3446	• Shield, Gunner
12484852	1005-01-500-3744	• Bracket, Gun Shield Sup
12484847	2540-01-500-0309	• Adapter, Pintle
12484848	5340-01-500-5572	• Lock, Pintle
12484857	N/A	• Installation Instructions
12484861-054	5305-01-564-2524	• Screw
12484861-055	5305-01-564-1667	• Screw
12484862-006	5310-01-433-0941	• Lockwasher
12484862-008	5310-01-417-7273	• Lockwasher
12484863-005	5305-01-564-3583	• Screw
12484864-005	5310-01-439-8177	• Nut
5140237	5305-00-514-0237	• Screw
9421888	5310-01-442-1109	• Washer





# Objective Gunner Protection Kit (OGPK)

## OGPK - M1114 version: PN 13018180 (NSN 2540-01-543-8325)

<u>PN</u>	<u>NSN</u>	<u>Description</u>	<u>PN</u>	<u>NSN</u>	<u>Description</u>
13014372	2540-01-550-7387	Armor Panel, Right	13014399	2590-01-564-2161	Window Bracket Assembly, Long
13014373	2540-01-550-7253	Armor Panel, Left	13014402	5340-01-564-2281	Handle
13014374	2540-01-550-7386	Armor Panel, Rear	13014403	5325-01-563-3845	Grommet, Rubber
13014375	2590-01-563-4687	Bracket, Rear Corner	13014404	5975-01-563-3002	Cover, Wire
13018195	-	Plate, Base, MRAP	13014405	2590-01-563-2960	M4 Bracket, Rear
13014377	3120-01-564-2279	Sleeve, Bearing	13014406	5340-01-568-3611	Hatch Bracket Kit
13014378	2540-01-563-4524	Panel, Front	13014407	2540-01-563-5854	Pintle Adapter Kit
13014380	2590-01-563-3670	Bracket, Left Front	13014408	3830-01-536-4083	Manual Traversing Gear Kit
13014381	2590-01-563-4901	Bracket, Point	13014410	5306-01-568-3615	OGPK Fasteners
13014382	2540-01-563-6583	Plate, Seam	13014411	2590-01-563-6505	Window Bracket Assembly, Top
13014384	6650-01-550-7534	Window, Large	13014412	2590-01-563-5835	Window Bracket Assembly, Bottom
13014388	2590-01-563-3359	Bracket, Side	13014413	2540-01-550-7246	Picatinny Seat Assembly
13014389	2590-01-563-2468	Bracket, Right Front	13014414	9905-01-563-9863	Plate, Data
13014390	6650-01-550-7525	Window, Front Right	13014416	5340-01-568-3618	M4 Bracket Assembly, Front
13014393	6650-01-550-7555	Window, Front Left	13014420	2540-01-564-2115	Shield, Front
13014395	2590-01-563-3664	Spacer, Shield, Aangled	13018182	-	BPMTU Kit – M1114 version
13014397	2590-01-563-4933	Spacer, Shield, Vertical	57K3214	2540-01-436-1626	Parts Kit, Mirror Assembly, Rearview
13014398	2590-01-563-5219	Window Bracket Assembly, Short			





# Questions/Comments

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