

## SMART CARD Frag Kit 5 / Frag Kit 7

### WARNING

At Gross Vehicle Weight (GVW), rapid steering action increases your likelihood of a roll-over at speeds as low as 35 MPH for M1151A1 / M1152A1 / M1165A1 / M1167 with FK5 or FK7.  
GVW = 12,100 lbs. (GVW is an unloaded vehicle plus 4 crew with basic gear).  
FK5 or FK7 vehicle with payload exceeds GVW.  
Road conditions such as sand, debris, gravel, or rain will further reduce stability.

### CONTRIBUTING FACTORS TO ROLL-OVER

\*\*\* Cargo placed high in vehicle \*\*\* Drivers inexperience / Lack of training \*\*\*  
\*\*\* Overloading \*\*\* Degraded road conditions \*\*\*  
\*\*\* Mixing different NSN tires on same vehicle \*\*\*

### ACTIONS TO REDUCE POTENTIAL ROLL-OVER

\*\*\* Place and secure cargo as low as possible in the vehicle \*\*\*  
\*\*\* Conduct driver's training \*\*\* Stay within recommended payloads \*\*\*  
\*\*\* Reduce speed when anticipating a rapid maneuver or when road conditions are degraded\*\*\*  
\*\*\* Do not mix different tire NSNs on same vehicle \*\*\* Do not mix Goodyear Wrangler MT tire with Goodyear Wrangler MT/R or BF Goodrich Baja T/A tire on same vehicle\*\*\*

#### \*\*\* Tire Pressures \*\*\*

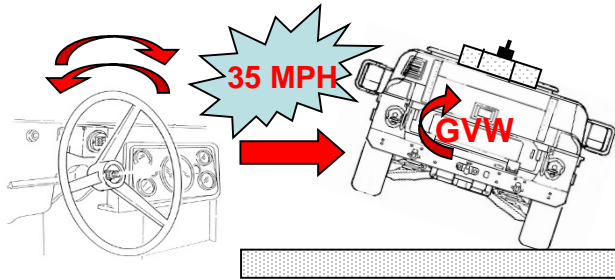
(Check tire pressures when tires are cold; have not been driven on for at least 3 hours)

Vehicles w/ FK5 or FK7 + Load Range E Tires/Wheels = 50 psi front / 65 psi rear

Vehicles without FK's + Load Range D or Load Range E = 40 psi front / 50 psi rear

Vehicles w/ FK5 or FK7 + Load Range D Tires/Wheels = **NEVER PERMITTED!!!**

\*\*\* M1167 and vehicles with FRAG Kits require Load Range E Tires/Wheels \*\*\*



#### Braking Distance on Dry Pavement

	40mph (65kph)	50mph (80kph)	60mph (97kph)
GVW	7 vehicle lengths	10 vehicle lengths	15 vehicle lengths
GVW + 2000lbs	8 vehicle lengths	12 vehicle lengths	17 vehicle lengths
GVW + 3000lbs	8 vehicle lengths	13 vehicle lengths	18 vehicle lengths
GVW + 4000lbs	9 vehicle lengths	14 vehicle lengths	20 vehicle lengths
GVW + 5000lbs	9 vehicle lengths	14 vehicle lengths	21 vehicle lengths

### WARNING

At 50 MPH on smooth dry pavement an overloaded M1151A1 / M1152A1 / M1165A1 / M1167 has a braking distance up to 14 vehicle lengths, compared to 10 vehicle lengths at GVW. Increased overload and/or road conditions such as sand, debris, gravel or rain will further increase stopping distances significantly.

### CAUTION

Commanders must assess risk whenever vehicles are overloaded, cargo is placed high in the vehicle, or traveling at speeds in excess of 35 MPH.  
Rated GVW is 12,100 pounds.

**M1151A1 / M1152A1 / M1165A1 / M1167  
HMMWV ROLL-OVER PRECAUTION  
SMART CARD FK5 / FK7**