

Spare Parts Packages for INDOT Approved Impact Attenuators

Jan-06

			Stage 1 Spare Parts Package			Stage 2 Spare Parts Package			
Unit	Type	Manufacturer	Option	Qty	Item	Option	Qty	Item	
QUADGUARD	Impact Attenuator	Energy Absorption Systems, Inc.	QUADGUARD TL 3 (R1, R2, SD, W1)	2	Fender Panel	QUADGUARD TL 3 (R1, R2, SD, W1)	2	Fender Panel	
Note: Spare parts packages are to include all associated A Stage 1 Spare Parts Package includes parts to repair a minor hit. A Stage 2 Spare Parts Package includes parts to repair a 100% design hit. * For W2 and W3 units, substitute 2 wide diaphragms - for bays 1 and 2.		1*		Diaphragm*	1*		Diaphragm*		
		2		Mushroom Washer Assembly	4		Mushroom Washer Assembly		
		1		Nose Assembly	1		Nose Assembly		
		4		Energy Absortion Cartridge Type 1	4		Energy Absortion Cartridge Type 1		
					3		Energy Absortion Cartridge Type 2		
		QUADGUARD TL 2 (R1, R2, SD, W1)		2	Fender Panel		QUADGUARD TL 2 (R1, R2, SD, W1)	2	Fender Panel
				1*	Diaphragm*			1*	Diaphragm*
				2	Mushroom Washer Assembly			4	Mushroom Washer Assembly
				1	Nose Assembly			1	Nose Assembly
				2	Energy Absortion Cartridge Type 1			3	Energy Absortion Cartridge Type 1
								1	Energy Absortion Cartridge Type 2
		QUADGUARD (LS, W1)	2	Fender Panel	QUADGUARD (LS, W1)	2	Fender Panel		
1	Diaphragm		1	Diaphragm					
2	Mushroom Washer Assembly		2	Mushroom Washer Assembly					
1	Nose Assembly		1	Nose Assembly					
2	Energy Absortion Cartridge Type 1		2	Energy Absortion Cartridge Type 1					
			1	Energy Absortion Cartridge Type 2					
TAU II	Impact Attenuator	Barrier Systems, Inc.							
Note: Spare parts packages are to include all associated hardware with the specified items. A Stage 1 Spare Parts Package includes parts to repair a minor hit. A Stage 2 Spare Parts Package includes parts to repair a 100% design hit. * For W2 and W3 units, substitute 2 wide diaphragms - for bays 1 and 2.		TAU II TL 3 (R1, R2, SD, W1)	2	Slider Panel	TAU II TL 3 (R1, R2, SD, W1)	2	Slider Panel		
			1*	Mid Support Diaphragm*		1*	Mid Support Diaphragm*		
			2	Slider Bolt Assembly		4	Slider Bolt Assembly		
			3	Energy Absortion Cartridge Type A		2	Pipe Panel Mount		
			1	Energy Absortion Cartridge Type B		3	Energy Absortion Cartridge Type A		
						5	Energy Absortion Cartridge Type B		
			TAU II TL 2 (R1, R2, SD, W1)	2		Slider Panel	TAU II TL 2 (R1, R2, SD, W1)	2	Slider Panel
				1*		Mid Support Diaphragm*		1*	Mid Support Diaphragm*
		2		Slider Bolt Assembly	4	Slider Bolt Assembly			
		1		Energy Absortion Cartridge Type A	2	Pipe Panel Mount			
			1	Energy Absortion Cartridge Type B	1	Energy Absortion Cartridge Type A			
				3	Energy Absortion Cartridge Type B				

No Spare Parts Package is required for Impact Attenuator Type CR or for Type ED