



# PINSHAKERS

UPDATED: 12/4/2019

**The following pages contain the DIP switch settings on the motor driver board for all of the WPC / WPC-95 era pinball machines currently in use with the Pinshakers Universal Shaker Motor Kit.**

**You may choose to have one or more of these switches to be on at any given time. Each setting contains the name and solenoid number found in the solenoid table.**

**These settings are derived from the operator's manuals. Due to occasional misprints, we recommend you verify these settings first by going into the test menu.**

## Legend

**Do Not Use** - This position is connected on the machine however we do not recommend you turn it on as we have not done sufficient testing for that particular solenoid type. No damage will likely occur if you do, however you understand the risks of turning on an untested circuit.

**Not Used** - This position has no connection on the machine according to the user manual. Turning on this position should have no effect on the shaker, however it is recommended that you leave it off anyways.

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### Doctor Who / Harness "A" / J125

Doctor 7 Flasher		17	5 x 3 Left / Left Flasher		18	5 x 3 Right / Right Flasher		19	Doctor 5 Flasher		20	Doctor 4 Flasher		21	Doctor 2 Flasher		22	Doctor 6 Flasher		23	Doctor 1 Flasher		24			
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON		▲							ON						▲		
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼

### Doctor Who / Harness "B" / J127

Left Slingshot		09	Right Slingshot		10	Left Pop Bumper		11	Right Pop Bumper		12	Bottom Pop Bumper		13	Backbox Head Flasher		14	Outhole		15	Ball Trough		16			
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON		▲							ON					▲			
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼

### Doctor Who / Harness "C" / J130

Trap Door		01	Shooter		02	Opto Popper		03	Mini Left Opto Eject		04	Mini Right Opto Eject		05	2nd Chance Logo Flasher		06	Knocker		07	Doctor 3 Flasher		08			
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON		▲							ON					▲			
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼













### Indiana Jones: The Pinball Adventure / Harness "A" / J125

<b>Eternal Life Flasher</b>		<b>17</b>		<b>Light Jackpot Flasher</b>		<b>18</b>		<b>Super Jackpot Flasher</b>		<b>19</b>		<b>Jackpot Flasher</b>		<b>20</b>		<b>Path of Adventure Flasher</b>		<b>21</b>		<b>Mini Motor Left</b>		<b>22</b>		<b>Mini Motor Right</b>		<b>23</b>		<b>Plane Gun LEDs</b>		<b>24</b>																																																		
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON							▲		ON								▲	ON								▲	ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Indiana Jones: The Pinball Adventure / Harness "B" / J127

<b>Left Pop Bumper</b>		<b>09</b>		<b>Right Pop Bumper</b>		<b>10</b>		<b>Bumpeur Bus</b>		<b>11</b>		<b>Left Slingshot</b>		<b>12</b>		<b>Right Slingshot</b>		<b>13</b>		<b>Left Control Gate</b>		<b>14</b>		<b>Right Control Gate</b>		<b>15</b>		<b>Totem Drop Down</b>		<b>16</b>																																									
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON								▲	ON								▲	ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Indiana Jones: The Pinball Adventure / Harness "C" / J130

<b>Ball Popper</b>		<b>01</b>		<b>Ball Launch</b>		<b>02</b>		<b>Totem Drop Up</b>		<b>03</b>		<b>Ball Release</b>		<b>04</b>		<b>Center Drop Bank</b>		<b>05</b>		<b>Idol Release</b>		<b>06</b>		<b>Knocker</b>		<b>07</b>		<b>Left Eject</b>		<b>08</b>																																
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON								▲	ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		







### Judge Dredd / Harness "A" / J125

Judge Fire Flasher 17		Judge Fear Flasher 18		Judge Death Flasher 19		Judge Mortis Flasher 20		Pursuit Left Flasher 21		Pursuit Right Flasher 22		Blackout Flasher 23		Cursed Earth Flasher 24																																																									
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON		▲							ON			▲						ON				▲					ON					▲				ON						▲			ON							▲		ON								▲
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼									

### Judge Dredd / Harness "B" / J127

Left Shooter 09		Trip Drop Target 10		Diverter 11		Not Used 12		Ball Trough 13		Not Used 14		Left Slingshot 15		Right Slingshot 16																																							
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON		▲							ON			▲						ON				▲					ON					▲				ON						▲		
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼									

### Judge Dredd / Harness "C" / J130

Globe Magnet 01		Left Popper 02		Right Popper 03		Globe Arm 04		Reset Drop Target 05		Globe Motor 06		Knocker 07		Right Shooter 08																																							
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON		▲							ON			▲						ON				▲					ON					▲				ON						▲		
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼									

























### Star Trek: The Next Generation / Harness "A" / J125

<b>Left Gun Motor</b>		<b>17</b>	<b>Right Gun Motor</b>		<b>18</b>	<b>Not Used</b>		<b>19</b>	<b>Jets Flasher</b>		<b>20</b>	<b>Right Popper Flasher</b>		<b>21</b>	<b>Center Ramp Flasher</b>		<b>22</b>	<b>Shields Flasher</b>		<b>23</b>	<b>Autofire Flasher</b>		<b>24</b>																																																
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON						▲			ON								▲	ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Star Trek: The Next Generation / Harness "B" / J127

<b>Left Slingshot</b>		<b>09</b>	<b>Right Slingshot</b>		<b>10</b>	<b>Ball Trough</b>		<b>11</b>	<b>Left Pop Bumper</b>		<b>12</b>	<b>Right Pop Bumper</b>		<b>13</b>	<b>Bottom Pop Bumper</b>		<b>14</b>	<b>Top Diverter</b>		<b>15</b>	<b>Borg Kicker</b>		<b>16</b>																																							
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON						▲			ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Star Trek: The Next Generation / Harness "C" / J130

<b>Left Gun Kicker</b>		<b>01</b>	<b>Right Gun Kicker</b>		<b>02</b>	<b>Left Gun Popper</b>		<b>03</b>	<b>Right Gun Popper</b>		<b>04</b>	<b>Left Popper</b>		<b>05</b>	<b>Plunger</b>		<b>06</b>	<b>Knocker</b>		<b>07</b>	<b>Kickback</b>		<b>08</b>																														
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON				▲					ON					▲				ON						▲			ON								▲
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼									

### Tales of the Arabian Nights / Harness "A" / J111

<b>Inlane Flasher</b>		<b>17</b>		<b>Final Battle Flasher</b>		<b>18</b>		<b>Left Loop Flasher</b>		<b>19</b>		<b>Bazaar Flasher</b>		<b>20</b>		<b>Ramp Diverters</b>		<b>21</b>		<b>Rub Lamp Flasher</b>		<b>22</b>		<b>Magic Lamp Flasher</b>		<b>23</b>		<b>Right Loop Flasher</b>		<b>24</b>																																																		
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON						▲			ON								▲	ON								▲	ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Tales of the Arabian Nights / Harness "B" / J113

<b>Trough Eject</b>		<b>09</b>		<b>Left Slingshot</b>		<b>10</b>		<b>Right Slingshot</b>		<b>11</b>		<b>Left Pop Bumper</b>		<b>12</b>		<b>Right Pop Bumper</b>		<b>13</b>		<b>Center Pop Bumper</b>		<b>14</b>		<b>Left Kicker</b>		<b>15</b>		<b>Left Eject Flasher</b>		<b>16</b>																																									
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON						▲			ON								▲	ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Tales of the Arabian Nights / Harness "C" / J116

<b>Left Cage</b>		<b>01</b>		<b>Right Cage</b>		<b>02</b>		<b>Vanish Drop</b>		<b>03</b>		<b>Lock Eject</b>		<b>04</b>		<b>Bazaar Eject</b>		<b>05</b>		<b>Lock Magnet</b>		<b>06</b>		<b>Knocker</b>		<b>07</b>		<b>Ramp Magnet Coil</b>		<b>08</b>																																
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON			▲						ON				▲					ON						▲			ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		





## The Addams Family Special Collectors Edition / Harness "A" / J125

Telephone Flasher		17		Train Flasher		18		Lower Ramp Flasher		19		LT Lightning Bolt Flasher		20		RT Lightning Bolt Flasher		21		The Power Flasher		22		Upper Magnet		23		Right Magnet		24					
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON									ON								
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼

## The Addams Family Special Collectors Edition / Harness "B" / J127

Upper Lt Pop Bumper		09		Upper Rt Pop Bumper		10		Left Lt Pop Bumper		11		Lower Rt Pop Bumper		12		Lower Pop Bumper		13		Left Slingshot		14		Right Slingshot		15		Left Magnet		16					
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON									ON								
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼

## The Addams Family Special Collectors Edition / Harness "C" / J130

Chair Kickout		01		Thing Knocker		02		Ramp Diverter		03		Ball Release		04		Outhole		05		Thing Magnet		06		Thing Kickout		07		Lockout Kickout		08					
Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON									ON								
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼

























