



# PINSHAKERS

UPDATED: 1/25/2021

**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.

**Not Connected** - This position has no connection between the wire harness adapter and the motor driver board. Nothing will happen if this position is turned on or off. There is still a connection between the machine's connector and the power driver board, just not between the motor driver board and the machine.

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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

Not Connected		01	Not Connected		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	▼	▼	▼	▼	▼	▼	▼	▼

### Fish Tales / Harness "A" / J125

Jackpot Flasher		17		Super Jackpot Flasher		18		Instant Multi-Ball Flashe		19		Light Extra Ball Flasher		20		Rock The Boat Flasher		21		Video Mode Flasher		22		Hold Bonus Flasher		23		Not Used		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	▼	▼	▼	▼	▼	▼	▼	▼

### Fish Tales / Harness "B" / J127

Outhole		09		Ball Release		10		Eject Hole		11		Drop Target Up		12		Drop Target Down		13		Left Pop Bumper		14		Center Pop Bumper		15		Right Pop Bumper		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	▼	▼	▼	▼	▼	▼	▼	▼	

### Fish Tales / Harness "C" / J130

Not Connected		01		Not Connected		02		Ball Popper		03		Left Sling		04		Right Sling		05		Left Gate		06		Knocker		07		Backbox Fish		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	▼	▼	▼	▼	▼	▼	▼	▼	



### Gilligan's Island / Harness "A" / J125

<b>Head 1 Flasher</b>		<b>17</b>		<b>Island Flasher</b>		<b>18</b>		<b>Left Bank Flasher</b>		<b>19</b>		<b>Left Flipper Flasher</b>		<b>20</b>		<b>Right Flipper Flasher</b>		<b>21</b>		<b>Head 3 Flasher</b>		<b>22</b>		<b>Ramp Up Coil</b>		<b>23</b>		<b>Ramp Down Coil</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	▼	▼	▼	▼	▼	▼	▼	▼																		

### Gilligan's Island / Harness "B" / J127

<b>Island Motor</b>		<b>09</b>		<b>Ball Trough</b>		<b>10</b>		<b>Hold Lock</b>		<b>11</b>		<b>Island Light</b>		<b>12</b>		<b>Left Pop Bumper</b>		<b>13</b>		<b>Right Pop Bumper</b>		<b>14</b>		<b>Bottom Pop Bumper</b>		<b>15</b>		<b>Top Eject</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	▼	▼	▼	▼	▼	▼	▼	▼																		

### Gilligan's Island / Harness "C" / J130

<b>Not Connected</b>		<b>01</b>		<b>Not Connected</b>		<b>02</b>		<b>Outhole</b>		<b>03</b>		<b>Ball Popper</b>		<b>04</b>		<b>Right Sling</b>		<b>05</b>		<b>Left Sling</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	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲								ON				▲					ON					▲				ON						▲			ON								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		



### Harley Davidson / Harness "A" / J125

Top Right Flasher		17	Top Left Flasher		18	Right Million Flasher		19	Left Million Flasher		20	Speed Bonus Flasher		21	Jackpot Flasher		22	Speed Trap Flasher		23	Helicopter 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	▼	▼	▼	▼	▼	▼	▼	▼	▼

### Harley Davidson / Harness "B" / J129

Lower Right Eject		09	Top Right Eject		10	Top Left Eject		11	Top Right Gate		12	Top Left Gate		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
ON	▲								ON				▲					ON								▲
OFF		▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼		▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼

### Harley Davidson / Harness "C" / J130

Not Connected		01	Not Connected		02	Left Drop Bank		03	Center Drop Bank		04	Left Pop Bumper		05	Right Pop Bumper		06	Knocker		07	Lower Pop Bumper		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	▼	▼	▼	▼	▼	▼	▼	▼













### Junk Yard / Harness "A" / J111

Dog Face Flasher		17		Window Shop Flasher		18		Autofire Flasher		19		Left Side Flasher		20		Scoop Up		21		Under Crane Flasher		22		Back Left Flasher		23		Back Right 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								▲									
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																		

### Junk Yard / Harness "B" / J113

Trough Eject		09		Left Slingshot		10		Right Slingshot		11		Not used		12		Not Used		13		Not Used		14		Hold Crane		15		Move Dog		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	Pos.	1	2	3	4	5	6	7	8
ON	▲								ON	▲							ON			▲						ON				▲					ON						▲			ON								▲										
OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼	OFF	▼	▼	▼	▼	▼	▼	▼	▼																			

### Junk Yard / Harness "C" / J116

Not Connected		01		Not Connected		02		Power Crane		03		Not Used		04		Scoop Down		05		Bus Diverter		06		Knocker		07		Not Used		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	▼	▼	▼	▼	▼	▼	▼	▼										





























### The Addams Family / 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 / 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 / Harness "C" / J130

Not Connected		01		Not Connected		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	▼	▼	▼	▼	▼	▼	▼	▼



























