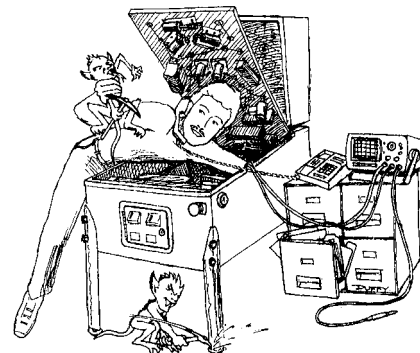




# Service Bulletin #174



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To: Parts & Service Managers

Date: March 24, 2008

Subject: Shaker Motor Feature Adjustment Defaults to **NONE**

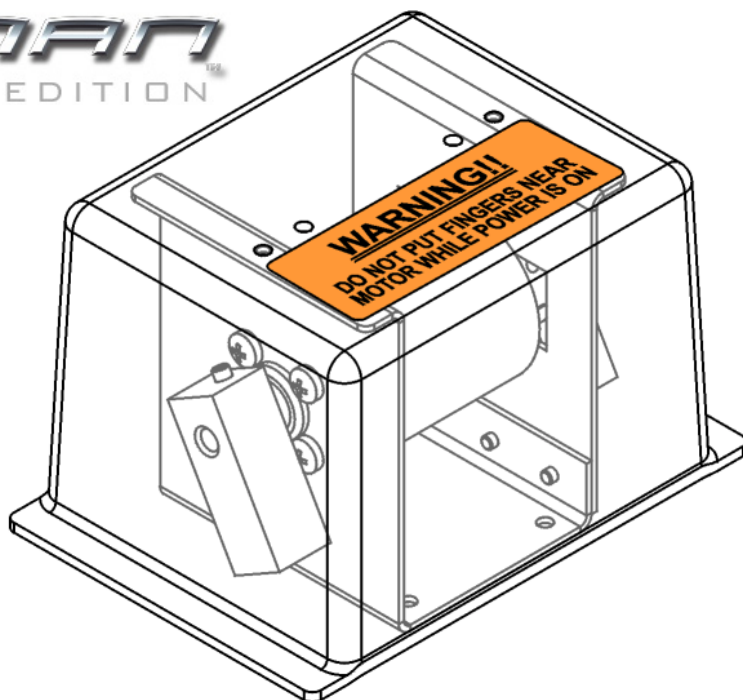
## BLACK SPIDER-MAN LIMITED EDITION

**Symptom :** The Shaker Motor (*Standard Equipment\* on Spider Man Black / Optional Equipment\* on Spider Man Regular*) no longer works after the game code was updated or a Factory Reset was performed.

**Explanation :** In version 1.9 Game Code (*and previous versions*), the Factory Default for Feature Adjustment, #38, **SHAKER MOTOR (OPTIONAL)** is **NONE**.

**\*Note:** In the Spider-Man Black games, the Shaker Motor was installed at the Factory with the Feature Adjustment set on the game to **MODERATE USE** (not the Factory Default).

**Solution :** Set the Shaker Motor Option in Feature Adjustment #38 to either **MINIMAL USE**, **MODERATE USE** or **MAXIMAL USE**.



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 The definition of Feature Adjustment #38 (as seen in both game manuals) :

**SHAKER MOTOR (OPTIONAL) :** Set to **NONE**, **MINIMAL USE**, **MODERATE USE** or **MAXIMAL USE**. Factory Default = **NONE**. Set to any of the varying "... **USES**" if an Optional Shaker Motor Kit (SPI Part Number **502-5027-00**) was installed correctly in this pinball machine. See the assembly (kit) on Page **94**. Also see Shaker Motor coil (Q6) in the Coils Detailed Chart Table on Pages **96-97 & 106** for wiring details.

**Helpful Hint:** Write down your changed settings in your game manual in the tables provided. This way, when you perform a Factory Reset or update the code in the future, you will have a record of the settings you may have changed. If you do not want to write in your game manual, open up these chapters on-line at our website and print them out. Not familiar with the Service Menu? Please read:

Enter the **Service Menu** (reference Pages **DR. 2, 8 & 25-34**). Select the "ADJ" Icon, **GO TO ADJUSTMENTS MENU**, then select the "GAME" Icon, **FEATURE ADJUSTMENTS**. Press the left **Red Button [-]** to bring up Feature Adj. #38. Press the **Black Button** to change the adjustment setting. With the setting flashing, use either **Red Button [-]/[+]** to select either **MINIMAL**, **MODERATE** or **MAXIMAL USE**. Press the **Black Button**, then the **Green Button**.

For Service Bulletins, Binary Code & other helpful information, visit our website [www.sternpinball.com/techsupport.shtml](http://www.sternpinball.com/techsupport.shtml) and click the appropriate links.