

## THE 'SPEEDI' DRIVER CLEANER

\*Photo of #236 for demonstrative purposes only.



### EASILY CLEAN LOCOMOTIVE DRIVE WHEELS

“A” lead clips to positive or negative power source

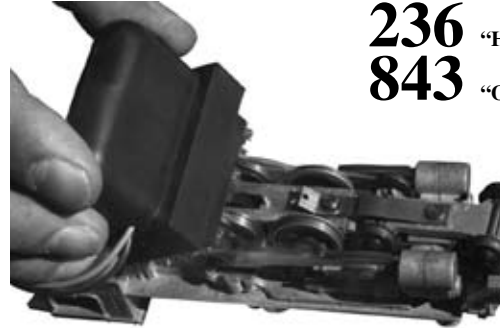
“B” lead clips to opposite power source

“C” lead clips to locomotive tender (or motor lead) where required

THEN... touch brush segments to locomotive drive wheels to ‘spin’ away dirt!

## *‘Speedi’* Driver Cleaner

**236** “HO<sub>n3</sub>” to “O” scale  
**843** “O” to “G” scale



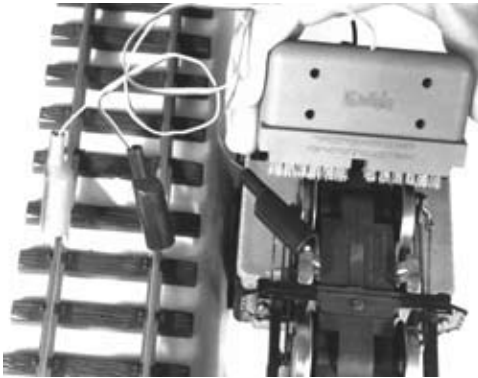
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**236 USE ON LOCOMOTIVES “HO<sub>n3</sub>” TO “O” SCALE**

**843 USE ON LOCOMOTIVES “O” TO “G” SCALE**

Quickly and simply spins dirt and gum from locomotive drive wheels. Restores electrical pickup, eliminates erratic locomotive performance due to dirty, scummed wheel treads! Just clip brush leads any place on running rails, or to 12 volt D. C. power source. Locomotive motor thus powered, spins drivers against brush to whisk away grime and corrosion from driver treads in seconds. A real hobby helper!

**NO SPECIAL WIRING REQUIRED!**



**IMPORTANT:**  
Brush leads may be connected to any convenient place on the running rails, or to power pack terminals. 12 volts D. C. is sufficient to turn locomotive drivers against the brush, higher voltages serve no useful purpose and may result in

\*Photo of #843 for demonstrative purposes only. needless arcing, or possible damage.

All three leads have alligator clips covered with color-coded plastic insulator coverings. Double wire lead "A" and single wire lead "B" are red and black, lead "C" (nearest and facing brush) is color-coded to match lead "A" since these two are wired in common.

\*Photo for demonstrative purposes only. For best results and to avoid sending particles into locomotive works, hold chassis in vertical position during cleaning.

Note the bristles of the brush are divided electrically into positive and negative segments. These are isolated from each other by a plastic divider. Do not push the brush too deeply into a wheel set to permit bristles to touch the uninsulated portion of the wheel, this causes an arc that should be avoided wherever possible. If drivers fail to respond when brush is placed against them, turn brush 180° so brush segments touch drivers opposite from position first tried. If drivers still refuse to spin, check all electrical connections and power supply to be sure current is flowing, and that all connections are in proper order as described.

#### **LOCOMOTIVES WITH TENDER PICKUP:**

Connect leads "A" and "B" (red and black insulator coverings) to positive

and negative power source. Connect third lead "C" (nearest and facing brush) to tender frame, in some cases locomotive draw bar or wire leading to motor. When the two brush segments are placed against the driver wheels the circuit is thus complete and powers the locomotive, spinning the drivers against the bristles to clean and polish the wheel treads.

#### **LOCOMOTIVES WITHOUT TENDER PICKUP:**

Connect leads "A" and "B" (red and black insulator coverings) to positive and negative power source. Connect third lead "C" (clip nearest and facing brush) to locomotive frame, or truck frame in the case of diesel and geared engines, so circuit is completed as brush segments are placed against drive wheels. On plastic locomotives there is always a metal conductor of some description from wheel pickup to motor, to which lead "C" can be connected.

It is possible to clean non-powered wheels, such as on tenders, by holding the wheel set with the fingers while drawing the brush across the treads. Rotation of the wheel set in gradual steps will allow cleaning of entire tread area. Conversely, holding the brush against these wheels while turning the wheel set with the fingers will accomplish the same cleaning action.

#### **DCC LOCOMOTIVES:**

Connect leads "A" and "B" (red and black insulator coverings) to positive and negative 12 volt D.C. power source. **Be sure that your DCC locomotive is compatible with 12 volt D.C. power.**



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