



AEM High Output Direct Fit Coils 2003-2005 Dodge Hemi 5.7L 30-2876, 30-2876-8

| Volts | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 |
|---------------------|------|------|-----|-----|------|------|-----|------|------|-----|------|
| Max Dwell Time (ms) | 2.42 | 2.58 | 2.8 | 3.1 | 3.42 | 3.88 | 4.4 | 5.24 | 6.44 | 9.5 | 11.5 |

The "Max Dwell Time" is the point where increasing the dwell further does not add any additional ignition energy but does add considerable heat to the coil. Even so, you should only run the "Max Dwell Time" when under optimum conditions and only when it is actually necessary, like when the engine is making near its peak torque output, since doing so still generates a significant amount of heat. Continuous operation at Max Dwell Time at high RPM without adequate cooling may damage the coil which could possibly lead to engine damage. Always use the minimum dwell time required to fire the cylinder and take caution with the possibility of overheating the coil or the coil driver unit if it is run at, or near, the max dwell time.

Parts Included, PN **30-2876**

- 1x Coil
- User Instructions

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- 8x Coils
- User Instructions

All coils with rubber boots include pre-applied dielectric grease.

Installation:

Before removing or disconnecting any spark plug cables, note their original position. Remove cables one at a time. To prevent ignition crossfire, spark plug cables MUST be placed in cable tray (routing loom) into their original position. An individual ignition coil is used at each cylinder. The coil mounts to the top of the valve cover with two bolts. The bottom of the coil is equipped with a rubber boot to seal the spark plug to the coil. Inside each rubber boot is a spring. The spring is used to maintain a mechanical contact between the coil and the top of the spark plug.

1. Depending on which coil is being removed, the throttle body air intake tube or intake box may need to be removed to gain access to the coil.
2. Unlock electrical connector by moving slide lock first. Press on release lock while pulling electrical connector from coil.
3. Disconnect secondary high-voltage cable from coil with a twisting action.
4. Clean area at base of coil with compressed air before removal.
5. Remove two mounting bolts (note that mounting bolts are retained to coil).
6. Carefully pull up coil from cylinder head opening with a slight twisting action.
7. Remove coil from vehicle.
8. Using compressed air, blow out any dirt or contaminants from around top of spark plug.
9. Before installing spark plug cables to either the spark plugs or coils, or before installing a coil to a spark plug, apply dielectric grease to inside of boots.
10. Install the new AEM coil(s) using the two coil mounting bolts and tighten to 12 Nm (105 in-lbs).
11. Connect the electrical connector to the coil and lock connector.

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12. Install cable to coil. To prevent ignition crossfire, spark plug cables MUST be placed in cable tray (routing loom) into their original position.
13. If necessary, install throttle body air tube.

Limited Warranty

Advanced Engine Management Inc. warrants to the consumer that all AEM High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12-month warranty period will be repaired or replaced at AEM's option, when determined by AEM that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12-month warranty period. Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Product must be received by AEM within 30 days of the date the RMA is issued. Please note that before AEM can issue an RMA for any electronic product, it is first necessary for the installer or end user to contact the EMS tech line at 1-800-423-0046 to discuss the problem. Most issues can be resolved over the phone. Under no circumstances should a system be returned or a RMA requested before the above process transpires. AEM will not be responsible for electronic products that are installed incorrectly, installed in a non-approved application, misused, or tampered with.