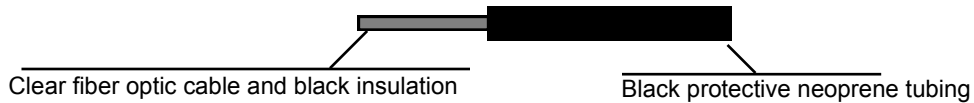
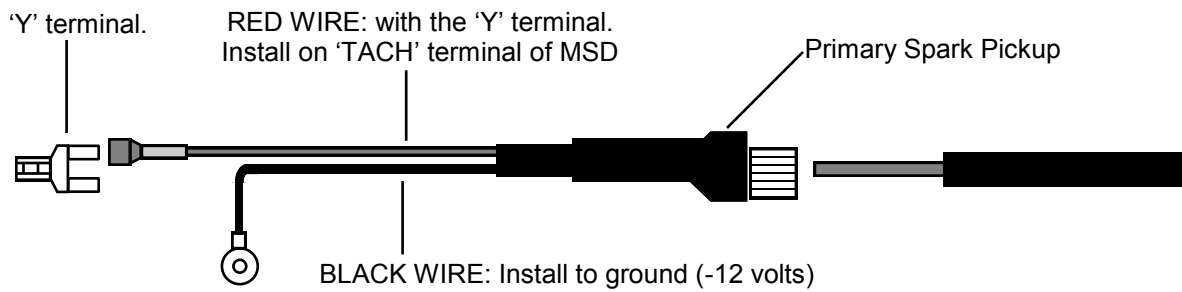


## ***ELECTRONIC (MSD) IGNITIONS*** **TRIMMING THE FIBER OPTIC CABLE** **AND CONNECTING IT TO THE PRIMARY SPARK PICKUP**

Using a sharp razor blade cut through the fiber optic cable and the black insulation at a 90 degree angle. The trimming is correct when the clear fiber optic cable is flush with the black insulation.



Push the fiber optic into the MSD Spark Pickup and finger tighten the retaining nut. Over-tightening could damage the optic cable.



## **INSTALLING THE SPARK PICKUP INTO THE RPM SIGNAL SOURCE** ***ELECTRONIC (MSD) IGNITION SYSTEMS***

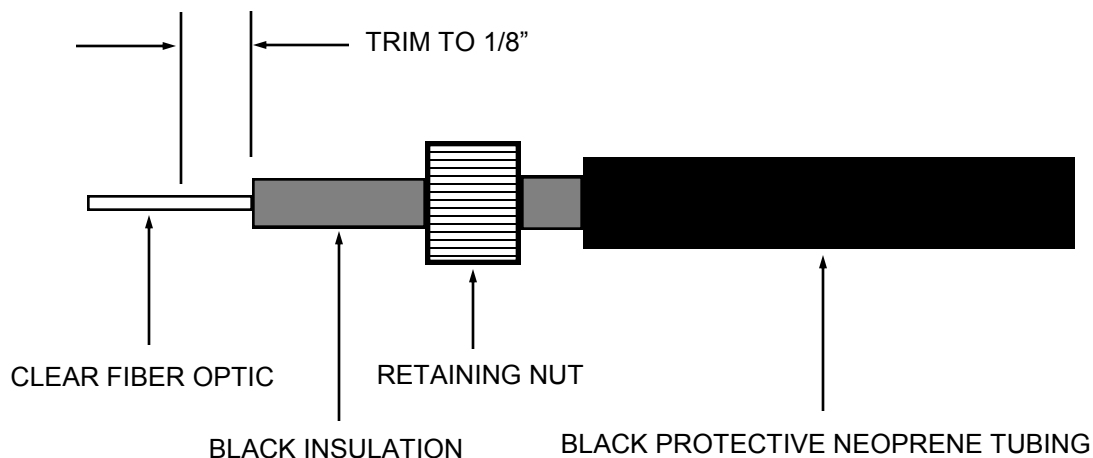
- 1) Disconnect the 'TACH' wire from the 'TACH' terminal of the MSD box. Insert the brass 'Y' adapter onto the 'TACH' outlet of the MSD box. Reinstall the tachometer wire using one leg of the 'Y' adapter.
- 2) Install the red wire of the spark pickup on the other leg of the brass 'Y' adapter.
- 3) Install the black wire of the spark pickup to Ground. MSD Engine RPM pickup.

**IMPORTANT:** Avoid sharp bends in the fiber optic cable. If you use tie wraps to hold the optic cable in place along the frame rail or roll bars **DO NOT** tie tightly, as the optic cable may be damaged.

## TRIMMING THE FIBER OPTIC CABLE AND CONNECTING IT TO THE RACEPAK DATA RECORDER

**PLEASE NOTE:** The following applies only to the end of the fiber optic cable that goes into the Racepak data recorder. It does not apply to the end that is inserted into the Spark Pickup. Trimming the end for the Spark Pickup is on the opposite side of this page.

- 1) Cut the fiber optic cable to the correct length. Only on the end that goes into the data recorder, strip back the black insulation 3/16" to 1/4". This cut should be made using a sharp razor blade. Be very careful not to cut into the clear fiber optic.
- 2) Using the sharp razor blade make a 90 degree cut in the clear fiber optic material leaving only 1/8" of the clear material exposed outside the black insulation.
- 3) Cut the protective neoprene tubing approximately 2" shorter than the fiber optic cable. Slide the fiber optic cable into the protective tubing, leaving about 2" of the optic cable extended outside the end of the protective tubing.
- 4) Gently push the optic cable into the 'Engine RPM' or 'Spark' port of the Racepak data recorder. **It is very important that the optic cable is completely bottomed out in the fitting.** Tighten the retaining nut finger tight to keep the optic cable in place. Do not over tighten as the optic cable can be damaged.



**Racepak**  
DATA SYSTEMS

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