

Leaf Spring Tip Isolator

Special Tool(s) / General Equipment

Knife

Materials

Name	Specification
Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound XG-3-A	ESE-M1C171-A
Motorcraft® Metal Brake Parts Cleaner PM-4-A, PM-4-B	-

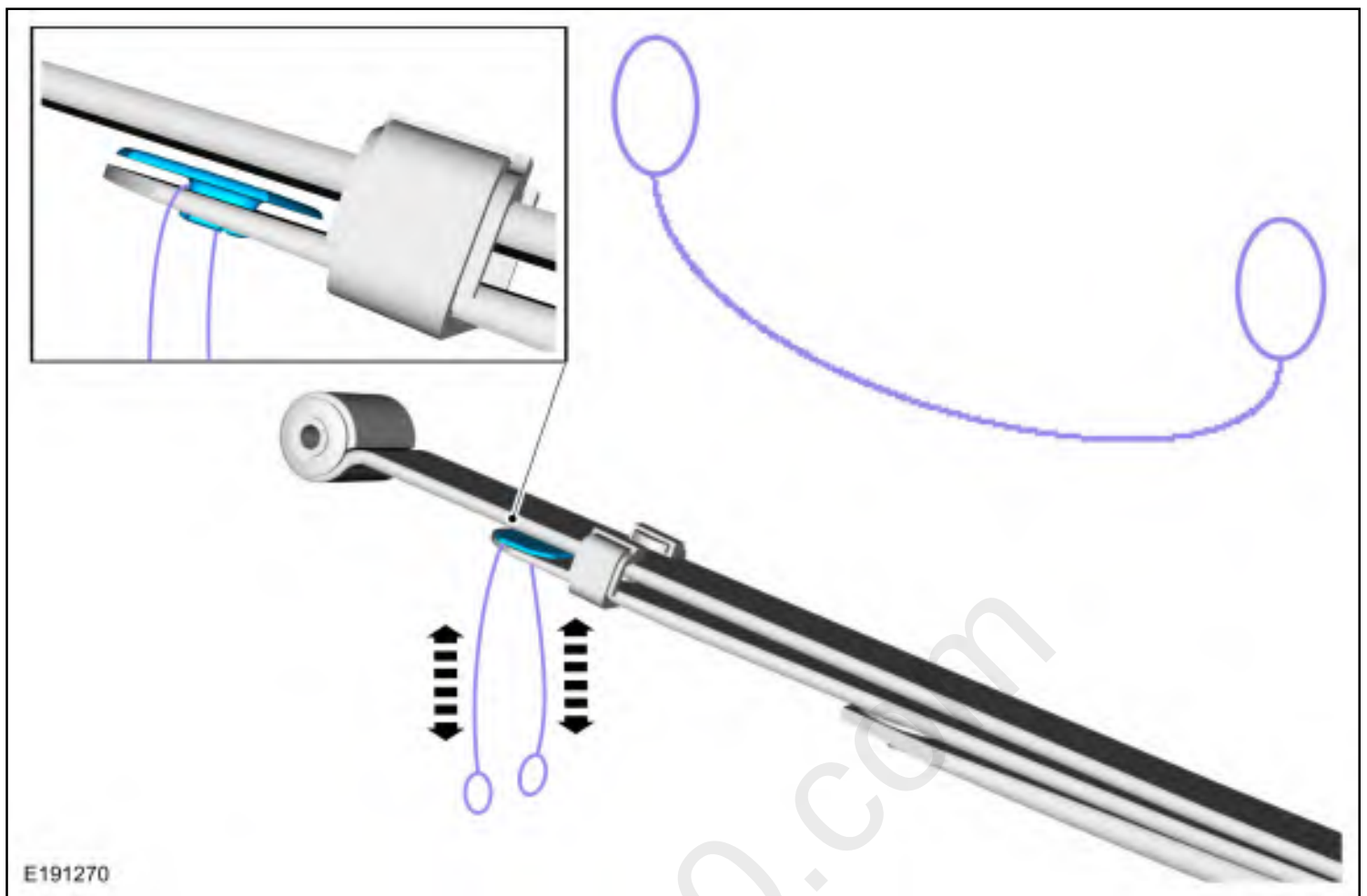
Removal

1. Position and lift the vehicle on a hoist to unload the leaf spring assembly.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).
2. **NOTICE: It is very important to use a non-metallic wedge or corrosion protection can be compromised.**

Use a non-metallic wedge (such as a rubber door stop or rubber coated pry bar) near the leaf spring tip isolator and wedge the leaf spring apart.



3. Using a locally obtained PVC cable saw, cut the top of the leaf spring tip isolator off and remove the insert.



4. Thoroughly rinse the leaf spring tip isolator area with brake clean and a clean shop rag to remove debris from the leaf spring tip isolator seating area.

Material: Motorcraft® Metal Brake Parts Cleaner / PM-4-A, PM-4-B



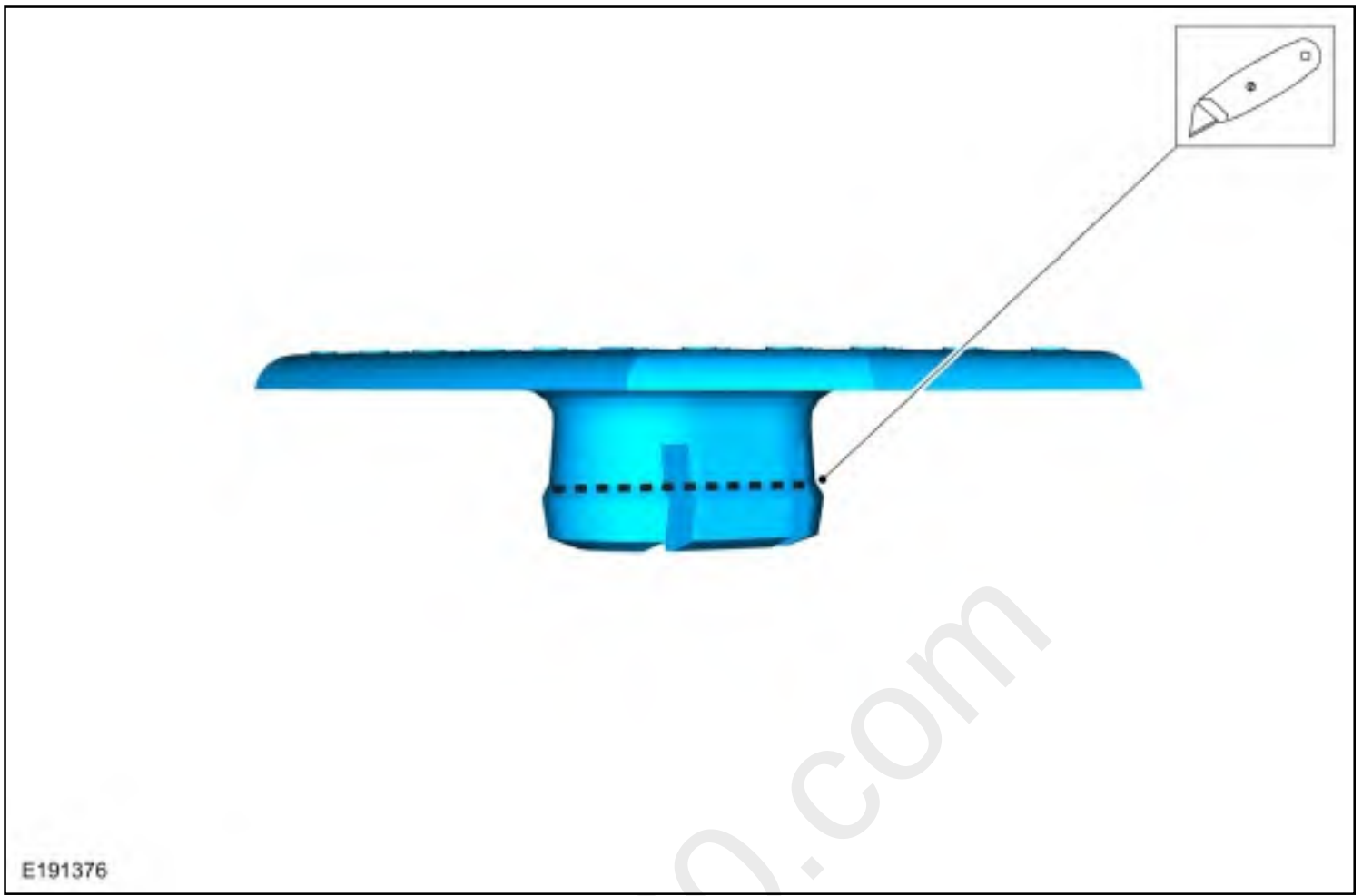
Installation

NOTE: Two leaf spring tip isolators are available for replacement and are based on vehicle payload.

- Black — Base payload vehicles
- White — Heavy duty payload vehicles (greasable)

1. **NOTE:** *If necessary.*

Trim leaf spring tip isolator post to aid installation between the leaves.
Use the General Equipment: Knife



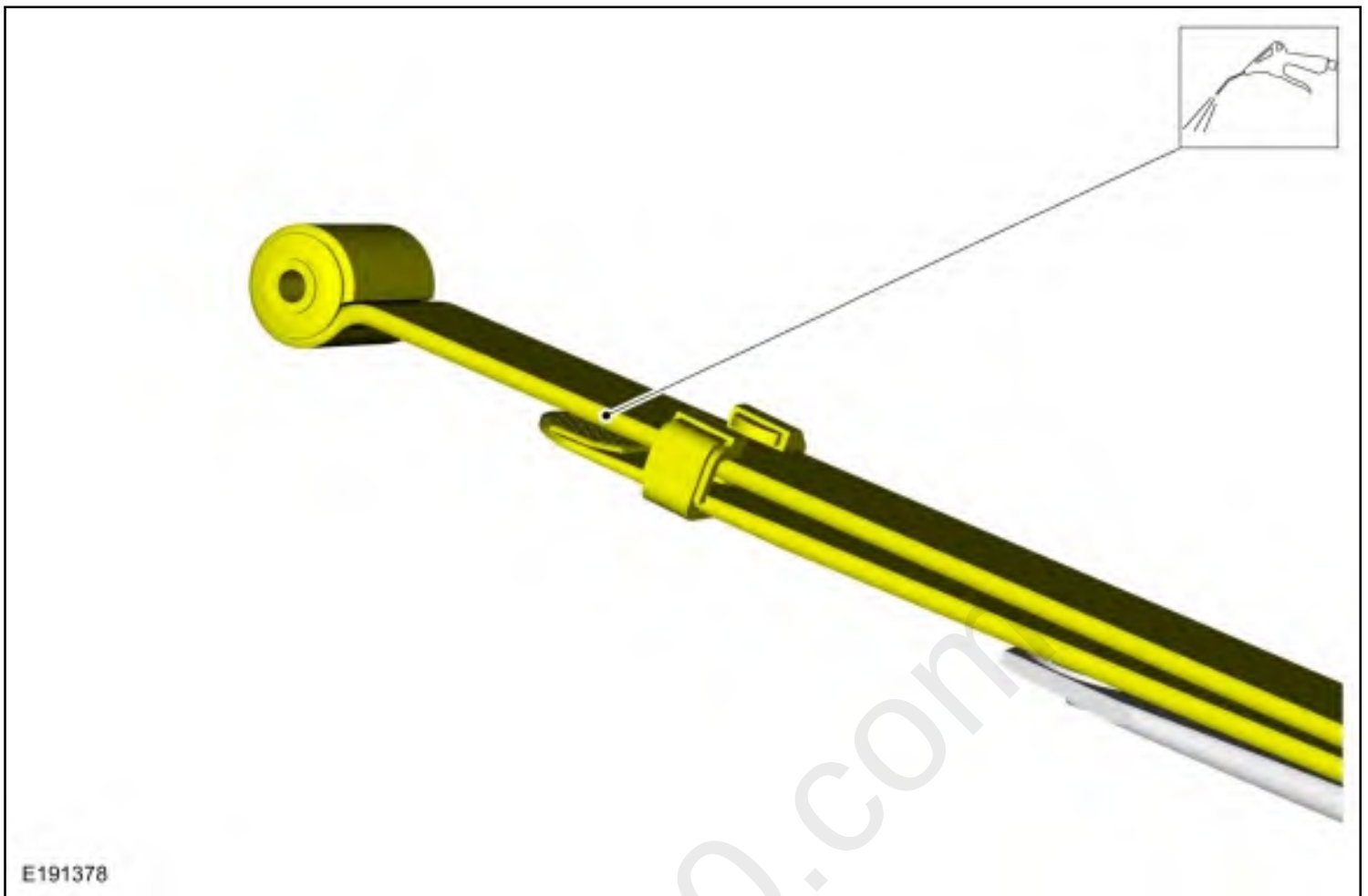
2. Install the new leaf spring tip isolator and remove the non-metallic wedge.



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3. Wash the leaf spring assembly to remove any remaining dirt or debris using a power washer or direct stream of water. Using shop air, dry the leaf spring assembly thoroughly.



4. On heavy duty payload vehicles (white leaf tip insert), apply a thin coat of grease to the leaf spring tip isolator surface.

Material: Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound / XG-3-A (ESE-M1C171-A)



5. Repeat the procedure for the remaining leaf spring tip isolators.