



Installation Instructions for 93055

Ingalls Engineering Stiffy™ Engine Torque Damper for:
2001-2003 Acura CL, 1999-2003 Acura TL and 1998-2002 Honda Accord 3.0L V6

The **Stiffy™ Adjustable Engine Torque Damper** is engineered to reduce deflection under hard acceleration and cornering for improved performance and power to weight transfer. Deflection in the motor mounts, as with the chassis and suspension, is a formidable enemy in power and weight transfer, robbing valuable horsepower and control. The innovative, built-in damper eliminates the huge amounts of “torque shock” that result from wheel-hop and once installed; transfers more power to the road and improves acceleration, shifting, and overall control and balance. The adjustable feature allows the assembly to be tuned and pre-loaded for racing and street applications.

CAUTION: Observe proper safety and repair procedures for installation of all chassis parts. Some chassis parts require specialized tools and experience and therefore **MUST** be installed by a qualified technician; otherwise and unsafe vehicle and/or personal injury could result. Wear safety glasses and other protection.

WARNING: Before beginning, check for any damaged or loose suspension connections. Loose connections here indicate worn or broken parts which **MUST BE REPLACED**. Failure to replace a damaged or worn spindle and/or link may cause the wheel to separate from the vehicle, possibly resulting in serious personal injury. Installer **MUST** check for proper clearance. Modification(s) may be required. Please proceed **ONLY** if the vehicle owner is completely aware of these potential suspension modifications.

Estimated Installation Time: 0.5 Hour

Technical Rating: Easy

Included Parts List:

- 1 - Stiffy™ Engine Torque Damper
- 1 - Engine Bracket
- 1 - Chassis Bracket
- 1 – Hardware Kit

Required Tools for Installation:

- Metric Sockets & Hex keys
- Metric Box Wrenches
- Crescent Wrench (up to 27mm)
- 3/8" Torque Wrench
- 3/8" Socket Driver (Wrench)

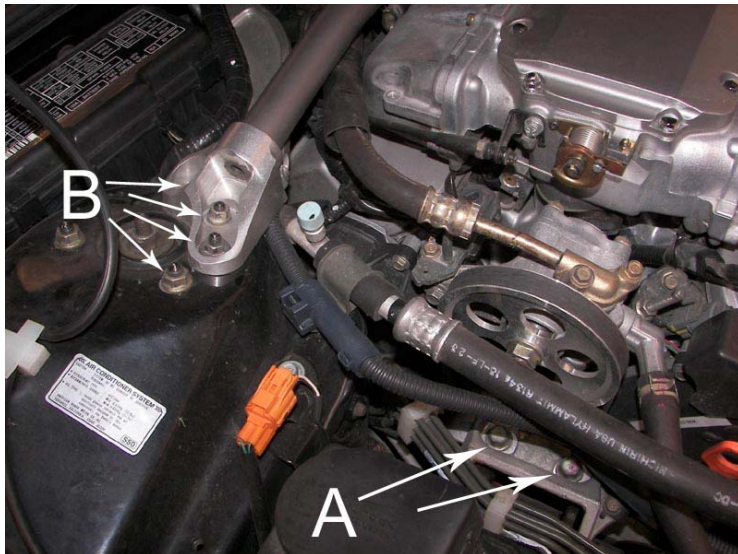


Image #1

Step 1: Remove the 2 bolts from the passenger side engine mount. Marked “A” in image #1.

Step 2: Install the Engine Bracket over the engine mount holes with the narrow bolt flange to the rear and the wider bolt flange to the front.



Image #2

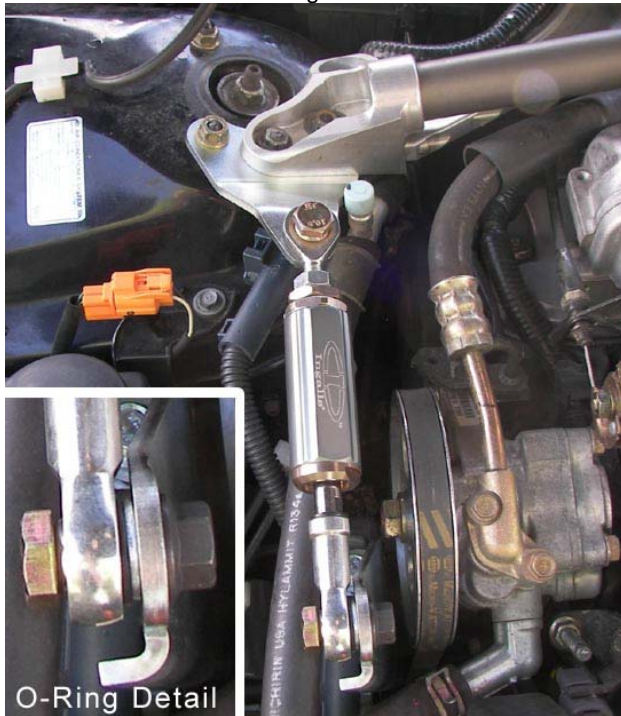


Image #3

Step 3: Tighten bracket to the engine mount using the two longer, flanged head bolts in the hardware pack. See image #2 at left.

Step 4: Remove the 4 nuts from the passenger side upper strut mount. Marked "B" in image #1.

Step 5: Install the Strut Bracket over the strut studs with the ETD mounting tab facing up and the notch in the bracket going around the A/C service port. You may need to loosen the factory strut brace at the firewall connection to get the bracket over the studs.

Step 6: Install the strut bracket using the 4 silver flanged nuts in the hardware kit and tighten.

Step 7: Install Stiffy™ onto the Strut Bracket and Engine Bracket using the supplied hardware. Begin on the Engine bracket. The supplied M10 (17mm HEX) bolt should go through the ETD rod end first. Then place the rubber O-ring and washer over the bolt before inserting into the Engine Bracket. Use the black lock nut and tighten. Loosen the small silver nut on the ETD and adjust the length of the ETD so that the rod end matches exactly with the Chassis Bracket and tighten to lock the length in place. Repeat the same procedure for the Chassis Bracket with the bolt going into the rod end first, followed by the O-ring and washer before being installed into the Chassis Bracket. The Stiffy™ nuts (15mm HEX) are black in color. The Stiffy™ adjustment dials should be facing toward the Chassis Mounting Bracket.

Note: Refer to O-Ring detail in image #3 for proper assembly of the mounting hardware.

Notes:

Proper use and fitment of the rubber O-ring helps dampen additional road noise or "feel" that can be transferred through the damper assembly. The O-ring should be used between the Stiffy™ heim joint and bracket for optimal noise suppression. Dynamat or other damping materials, as used in aftermarket audio and in-car electronics industries, can also be used to provide further noise and vibration damping when used between the brackets and the surface they mount on.

DO NOT attempt to adjust Stiffy™ from its pre-set stiffness without consulting the Ingalls website. Large open-end wrenches are required to adjust stiffness (27mm). Most standard and mechanics tool kits do not include these types of wrenches.

Limited Warranty

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