



Model:
LD-ES1001

Product Type:
**ENGINE TRANSVERSE BAR
WITH SUPPORT ARM**

Foreseen Use of the Tool

Do not use the tool outside of the design intent.
Never modify the tool for any other purpose, or for its use.

Safety Precaution

Caution: To help prevent personal injury

- **Normal use of this product is likely to expose the user to dust and/or microscopic particles containing chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Always wear appropriate safety equipment and clothing when using this product. Study, understand and follow all instructions provided with this product.**
- **Always wear ANSI approved goggles when using this product.**
- **Always select the correct accessories of the correct size and design for the job that you are attempting to perform.**
- **Always work in a clean, safe, well-lit, organized and adequately equipped area.**
- **Do not begin repairs without assurance that vehicle is in secure position, and will not move during repair.**

Product Information:

- Makes removal of transaxle easy by supporting engine of front wheel drive vehicles
- Support Arm provides three point support for off-center loads
- Includes 1/8" braided steel cables and 14" adjustable hooks
- Capacity: 700lbs.
- Weight: 21 lbs.

WARNING
Weight Capacity: 700 lbs.
Do Not Exceed!

For Your Safety & To Prevent Injury

1. ALWAYS read, understand and follow all safety warnings and instructions included with this unit to avoid property damage and/or injury to self and others.
2. ALWAYS use Third Arm Support when using this unit.
3. ALWAYS test lip structure strength to assure adequate support prior to using this unit. The lip structure surface must be flat in order to prevent slippage of this unit.
4. ALWAYS eliminate sagging of engine/transaxle by tightening nut on top of "J" hook after positioning cables/or "J" hook.
5. NEVER overload. Maximum rated capacity is 700lbs. Overloading can cause property damage and/or personal injury.
6. NEVER use this unit for purposes other than its intended design. This unit designed to be used as engine support bar when a transverse axle or transmission is being worked on or removed.
7. NEVER permit any body part to be under a load suspended by lifting or support device. Accidental slippage of a lifting or support device can result in property damage and/or personal injury.

 **Toolstar**
PROFESSIONAL
www.toolots.com

1 YEAR LIMITED WARRANTY

Toolots, Inc. warrants our products to the original user against defective material or workmanship for a period of 1 year (except where noted on our price schedule) from the date of 1st use. We reserves the right to determine whether the product failed because of defective material, workmanship or other causes and to charge back for missing parts. Toolots, Inc. at its discretion, will repair products covered under this warranty free of charge. The distributor should direct the original user to return the product (with the exceptions listed below) with the distributor's name, address, adequate proof of date of purchase or a copy of warranty card, and a short note explaining the problem. **Failures caused by accident, alteration, or misuse are not covered by this warranty.**

Toolots, Inc. or its authorized service representatives must perform all warranty repairs. Any repair to the product by unauthorized service representatives voids this warranty. The rights under this warranty are limited to the original user and may not be transferred to subsequent owners.

*This warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Some states do not allow the exclusion of limitations of incidental or consequential damages so the above limitations may not apply to you. All claims must be sent to:

Toolots, Inc.
16300 Shoemaker Ave.
Cerritos, CA 90703



PLEASE CALL 844-866-5687
FOR REPAIR AND RETURN INSTRUCTIONS



Unpacking

When unpacking, check the parts diagram and part number listing on page 2 to make sure all parts are included. If any parts are missing or damage, please call your distributor.

Important

Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.

ENGINE TRANSVERSE BAR WITH SUPPORT ARM

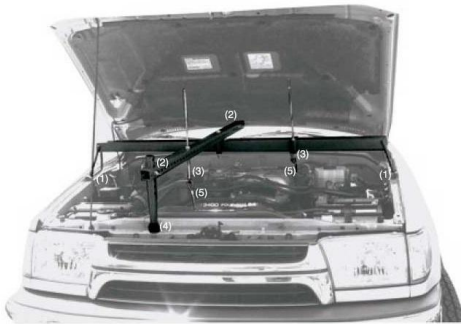




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PARTS BREAKDOWN



OPERATING INSTRUCTIONS

1. Test lip structure (Fig. 1) strength to assure adequate support prior to using this unit. The lip structure surface must be flat in order to prevent slippage of this unit. Mount the Transverse Support Bar with Support Arm on the area of the lip structure that is strongest.
2. Loosen the cap screw (Fig. 2) on the slide for adjustment.
3. To line up "J" hook (Fig. 3) with the engine bracket slide and/or pivot the arm into position.
4. The leg (Fig. 4) of the Third Arm Support must be on a solid surface at the front of the vehicle. Wing nut and cap screw can be removed to adjust the height of the leg into a leveled position.
5. Attach the engine to the Engine Transverse Bar. Hook the "J" hooks through the engine bracket. When no lifting eye is available, place the 1/8" braided steel cable (Fig. 5) around the engine and attach to the "J" hook. If the engine sags once attached to the Engine Transverse Bar, adjust the "J" hooks.

Parts List

Part No.	Description	Qty
A01	Support Arm (Left)	1
A02	Support Arm (Right)	1
A03	Support Arm (Middle)	1
A04	Leg	1
A05	Sling	2
A06	Big Slider	1
A07	Small Slider	1
A08	"J" Hook	2
A09*	Cap Screw(M10x110mm)	1
A10*	Cap Screw(M10x50mm)	1
A11*	Wing Nut(M10)	1
A12*	Hex Nut(M10)	3
A13*	Washer(For M10 Bolt)	5
A14	Protection Plastic Bar	2
AHK	Hardware Kit (A09-A13)	1

Please note that part numbers with an asterisk A09*,A10*,A11*,A12*,A13* are only available in the Hardware Kit (LD-ES1001-AHK) and not sold separately.

