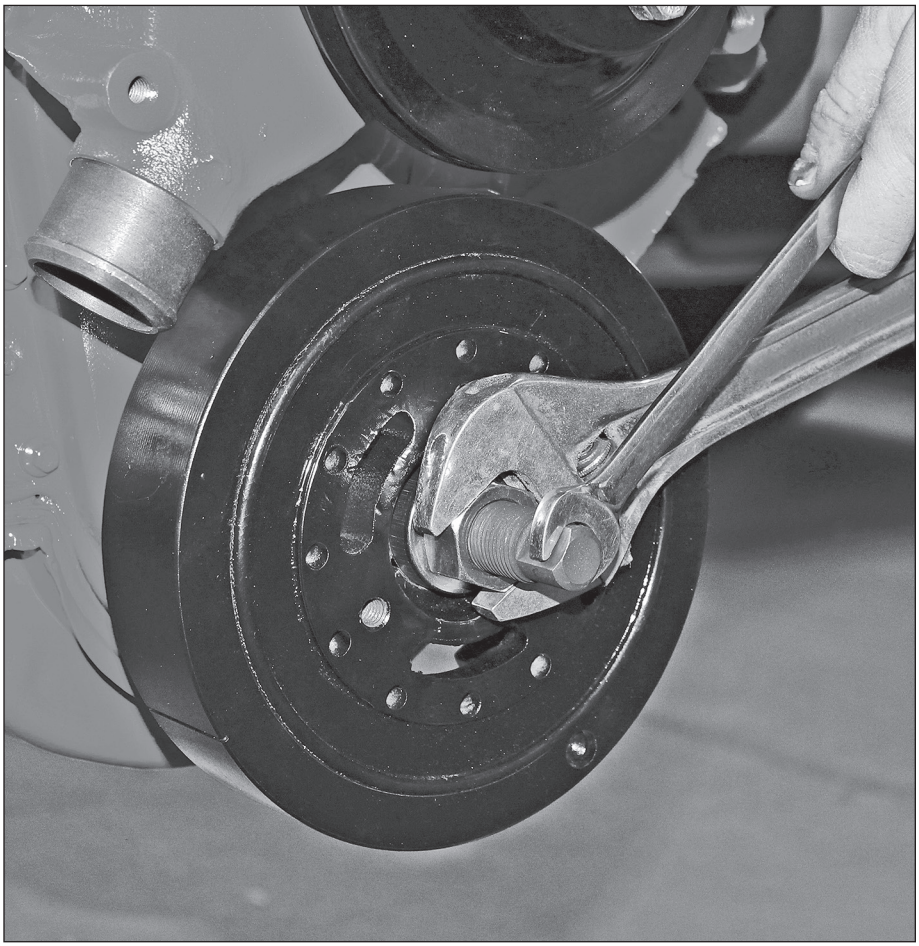
Eastwood®

DO THE JOB RIGHT.®

Item #31828

HARMONIC BALANCER INSTALLER SET

INSTRUCTIONS



THE EASTWOOD HARMONIC BALANCER INSTALLER SET provides a means to safely install most automotive engine Harmonic Balancers and pulleys without damage to balancers or crankshaft ends. A selection of 13 most popular thread size studs fits most automotive crankshafts with internal threaded ends. The large 1-5/8" diameter bearing provides a large surface area to evenly draw in balancers.

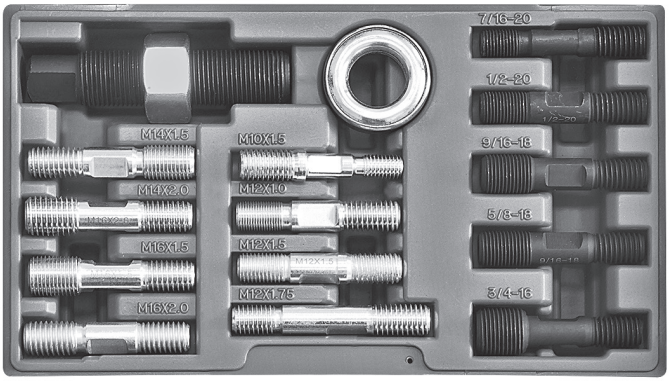
INCLUDES:

(1) Forged Steel, Dual-Threaded Drive Spindle with Nut

(1) 1-5/8" Diameter Ball-Bearing, Thrust Bearing

(13) Adapter Studs (sizing below)

- 7/16 - 20
- 1/2 – 20
- 9/16 – 18
- 5/8 – 18
- 3/4 – 16
- M10 x 1.5
- M12 x 1.0
- M12 x 1.5
- M12 x 1.75
- M14 x 1.5
- M14 x 2.0
- M16 x 1.5
- M16 x 2.0



(1) Plastic Blow Molded Case

SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.

⚠ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Eastwood Harmonic Balancer Installer Set.
- Keep these product instructions for future reference.

⚠ DANGER **IMPROPER MOTOR VEHICLE REPAIR WORK CAN RESULT IN INJURY OR DEATH!**

- Performing motor vehicle work without adequate training in motor vehicle mechanical systems can cause injury, death and vehicle damage. **DO NOT** attempt to use this tool or begin motor vehicle service work without proper training in and a thorough understanding of motor vehicle mechanical systems.
- Always consult an authorized manufacturer's service manual or instructional materials on the particular vehicle for the proper repair procedures before using this Harmonic Balancer Installer Set.

⚠ CAUTION **PINCH HAZARD!**

- To avoid possible personal injury, keep hands and fingers free of pinch points when using the Harmonic Balancer Installer Set.

ADAPTOR STUD APPLICATION DATA

NOTE: The following are for the most popular domestic applications. For imports and other applications, consult a manufacturers repair manual and hand test-fit the Adaptor Studs before attempting to tighten in place with tools.

GM Applications

- 7/16 - 20
  - 3.0, 3.3, 3.8, 3300 & 3800 V-6; also 260, 350, 455, 5.7 (307) (Buick engine family).
  - 4.3 V-6, 5.0 & 5.7 V-8; also 250 & 296 I-6 (Chevrolet engine family).
- 1/2 - 20
  - 366, 396, 454, & 5.7 LT1 V-8 (Chevrolet engine family).
  - 6.2, 6.5, & 6.6 V-8 Diesel (Chevrolet engine family).
- 3/4 - 16
  - 5.7 V-8 Diesel.
- M14 x 1.5
  - 4.0 & 4.6 V-8 (Cadillac & Olds engine family).
  - 1.6, 1.8, 2.0 & 2.2 L-4 (Chevrolet engine family).
  - 2.8, 3.1, 3.4, 3100, & 3400 V-6 (Chevrolet engine family).
- M16 x 1.5
  - 6.6 V-8 Diesel.
- M16 x 2.0
  - 4.1, 4.5, 4.9 V-8 (Cadillac engine family).
  - 4.2 I-6 (Chevrolet engine family).

Ford Applications

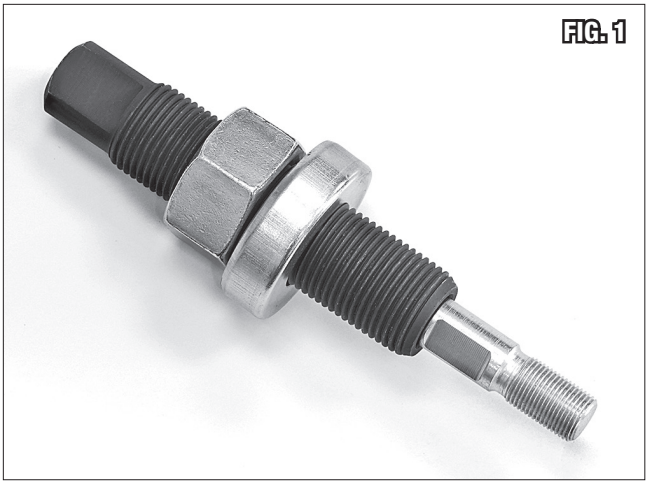
- 7/16 - 20
  - 3.0, 3.2 V-6 SHO; also 7.3 V-8 Diesel (Indirect Injection).
- 1/2 - 20
  - 2.3 OHC, 2.5 L-4, & 3.0 4-valve V6.
- 9/16 - 18
  - 4.9 I-6, 5.0 V-8.
- 3/4 - 16
  - 6.9 & 7.3 V-8 Diesel.
- 5/8 - 18
  - 7.5 V-8.
- M12 x 1.5
  - 4.0 V-6 SOHC, 4.0 V-6, & 4.6 V-8 2-valve; also 4.6 V-8 4-valve, 5.4 V-8, & 6.8 V-10.
- M14 x 1.5
  - 3.0 V-6 2-valve, 3.4 SHO, & 3.8 V-6.

Chrysler Applications

- 3/4 - 16
  - 5.2 & 5.9 V-8; also 225 Slant 6.
- M12 x 1.75
  - 2.0, 2.2, & 2.5 4-Cylinder; also 3.3 & 3.5 V-6.
- M14 x 1.5
  - 4.7 V-8.
- M14 x 2.0
  - 2.7 V-6.

SET-UP & OPERATION

- Select the Adapter Stud thread size that fits the particular application then thread the 5/8" - 13 end into the female threads of the Drive Spindle **(FIG 1)**.



- Back the 7/8 -11 nut toward the wrench flats end of the Drive Spindle then slide the Thrust Bearing over the Adapter Stud end with the open end of the Thrust Bearing against the Nut **(FIG 2)**.
- Thread the Adapter Stud end of the assembly into the end of the crankshaft or accessory shaft and allow the flat face of the Thrust Bearing to contact the balancer **(FIG 3)**.
- Using a 1-1/4" wrench (not included) to turn the 7/8 –11 Nut, draw the balancer inward until it is properly seated.
- Remove the Harmonic Balancer Installer assembly by unthreading from the crankshaft or accessory shaft. The use of a 14mm wrench (not included) on the flats of the Drive Spindle or a 8mm or 10mm wrench (not included) on the Adapter Stud threads may be helpful.
- After the Harmonic Balancer Installer assembly is removed from the engine, disassemble and return all parts to the storage case.

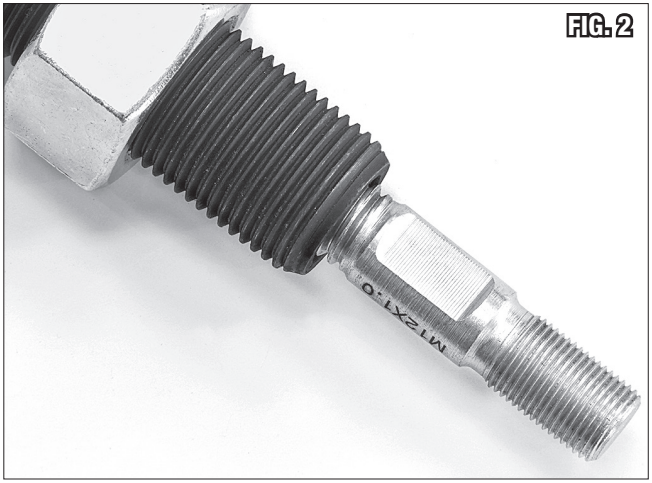


FIG. 2

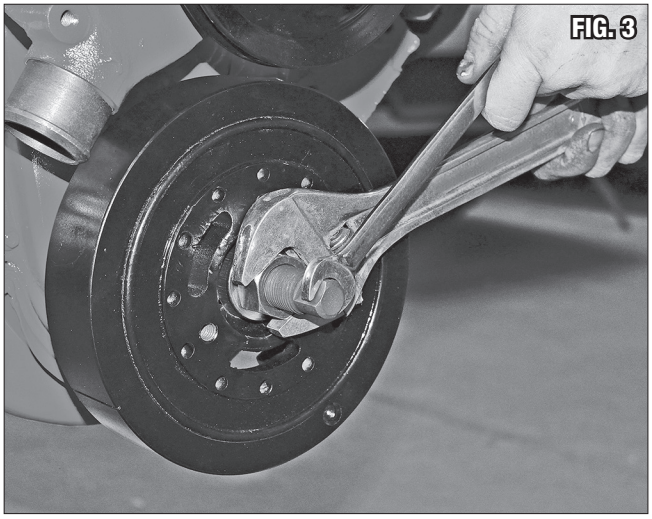


FIG. 3

NOTES

ADDITIONAL ITEMS

#31351 Eastwood 8pc. Compression Test Kit
#31537 Rockwood USB Borescope Camera
#31532 Fairmount Rear Axle Puller Kit
#31590 Rockwood Harmonic Balancer Puller

If you have any questions about the use of this product, please contact
The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techelp@eastwood.com
PDF version of this manual is available at eastwood.com
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