Recommended Tools

10-Bolt PTO Installation

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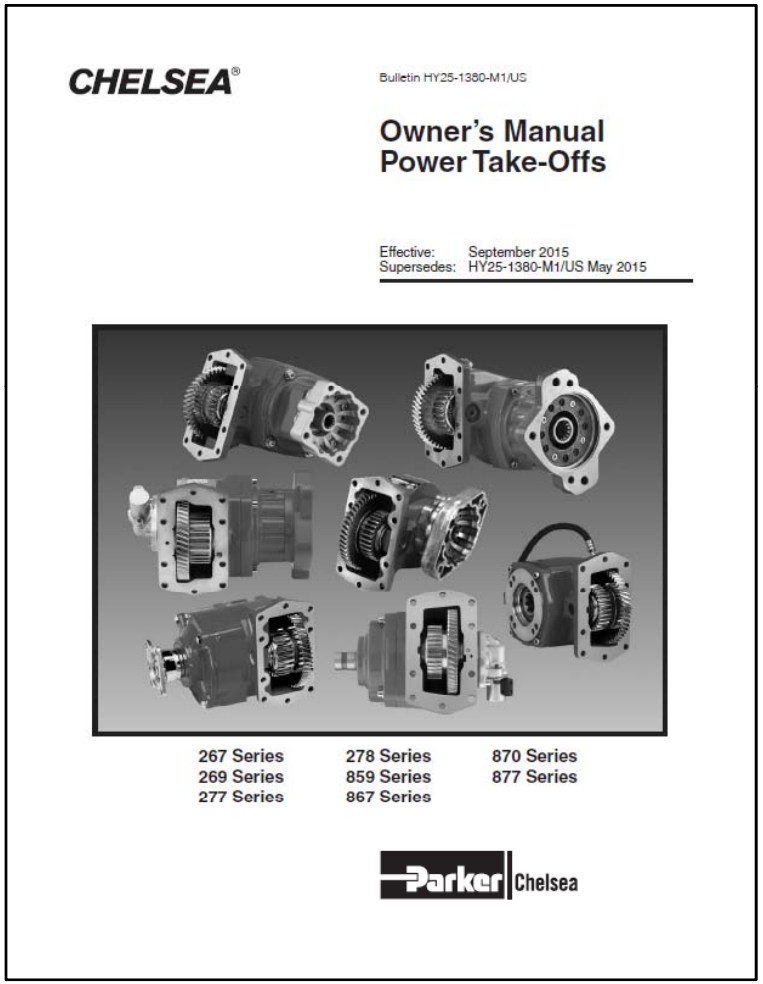
October 30, 2015

Installation Instructions

- Always follow the Safety and Installation Instructions outlined in the Chelsea Owner's Manual during installation.
- A copy of the Owner's Manual can be obtained at www.Chelseaproduct.com
- Use crossing pattern when torquing PTO bolts.
- When using torque adapters, ensure proper torque calculations are made to account for increased or decreased radius which can affect actual torque.



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Drivers

- Although not necessary, a compact drill/impact driver can help run in bolts to reduce muscle fatigue.

***** CAUTION ***** – Be careful not to cross-thread or damage threads with this tool. It is recommended to start bolts by hand for a few threads before using cordless driver.

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Wrenches

- Standard 3/8" Torque Wrench – 35-50 ft-lbs

- Ratcheting Flex-Head 10mm, 12 point

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Extension

- 3/8" Extension, Knurled, Friction Ball, 6" Long

Sockets

- Flank Drive Swivel 3/8" socket -12 PT
  - 10mm
  - 15mm

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Adapters

- Torque Adapter – 10MM, 12 Point
  - Extremely necessary for difficult to reach bolts.

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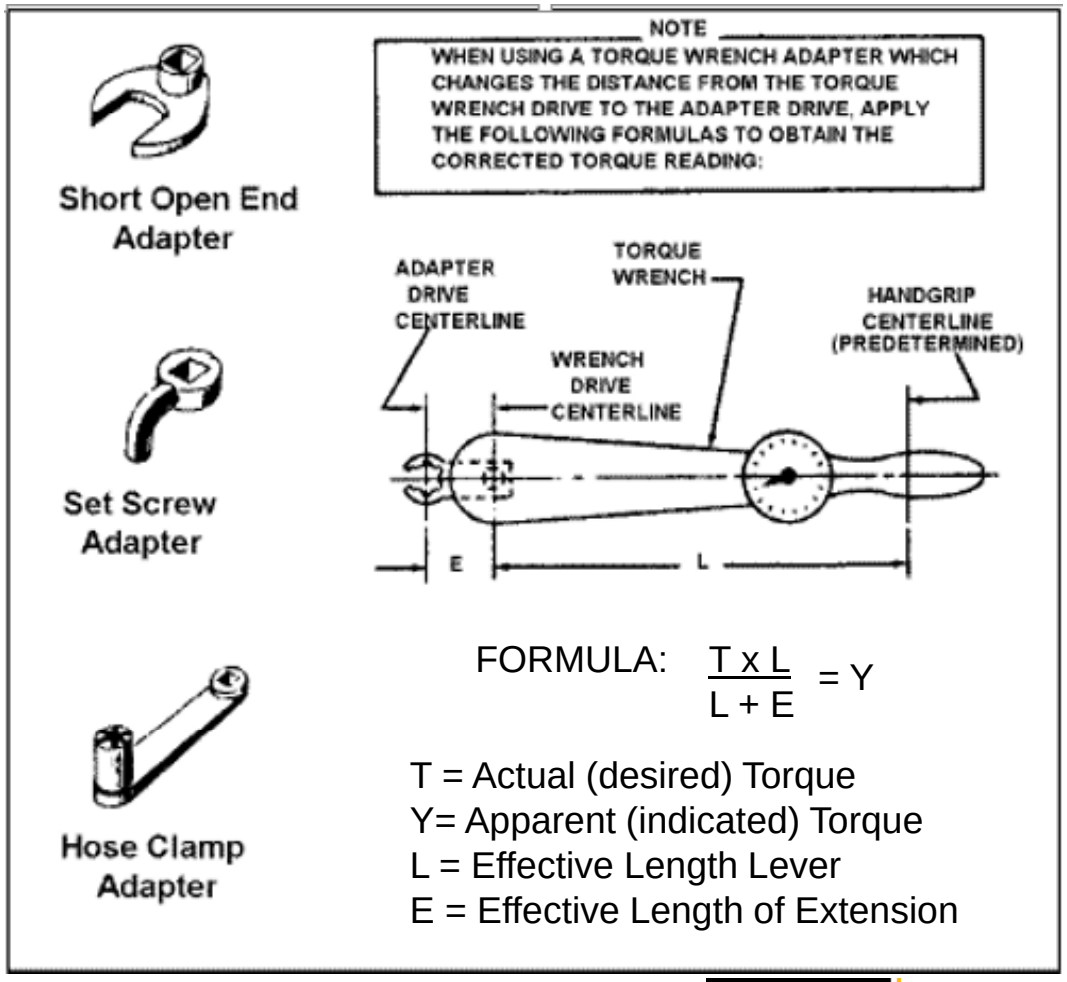
Corrected Torque
with a Plus Dimension

- When using a torque wrench adapter, which changes the distance from the torque drive to the adapter drive, apply the following formula to obtain torque rating.



Example:

$$\frac{50 \text{ ft-lbs} \times 1}{1 + .167} = \boxed{42.84 \text{ ft-lbs}}$$

Torque Wrench Reads

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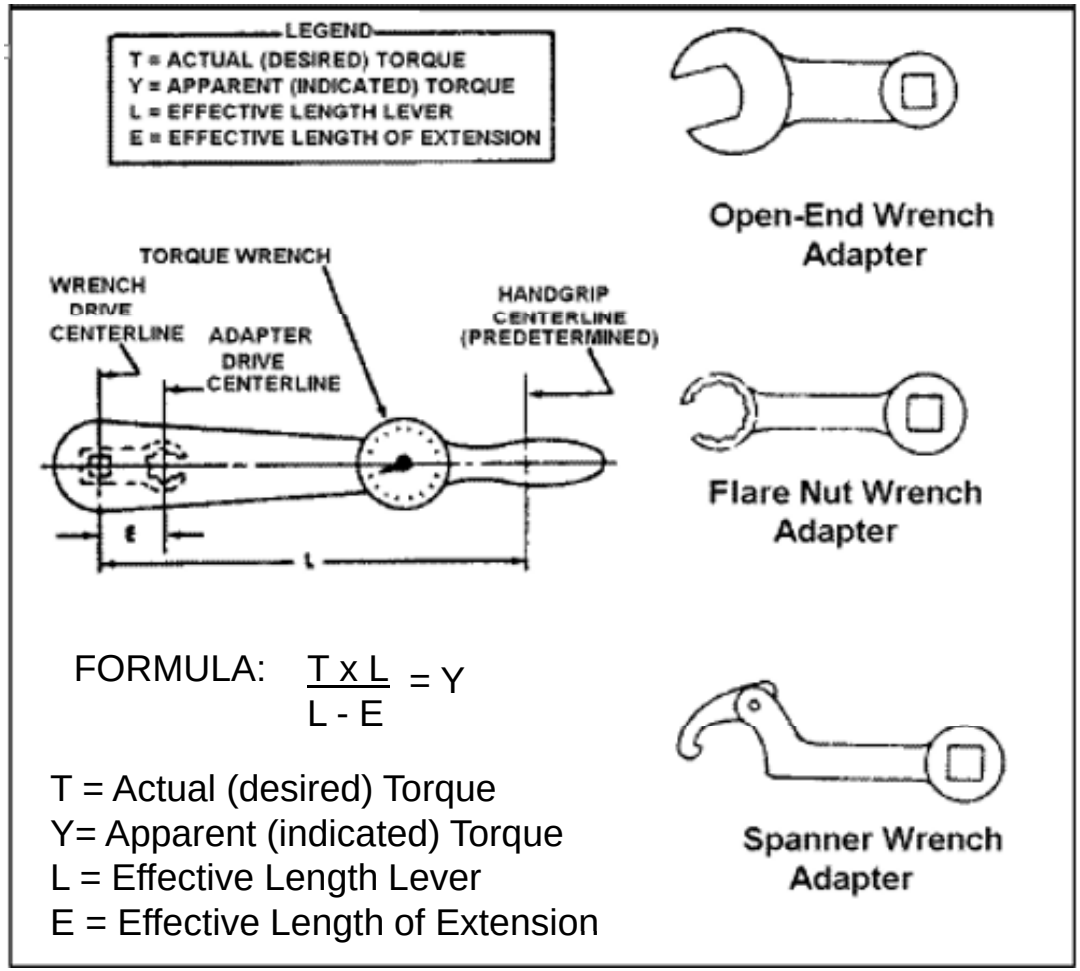
Corrected Torque
with a Minus Dimension

- When using a torque wrench adapter, which changes the distance from the torque drive to the adapter drive, apply the following formula to obtain torque rating.



Example:

$$\frac{50 \text{ ft-lbs} \times 1}{1 - .167} = \boxed{60.02 \text{ ft-lbs}}$$

Torque Wrench Reads

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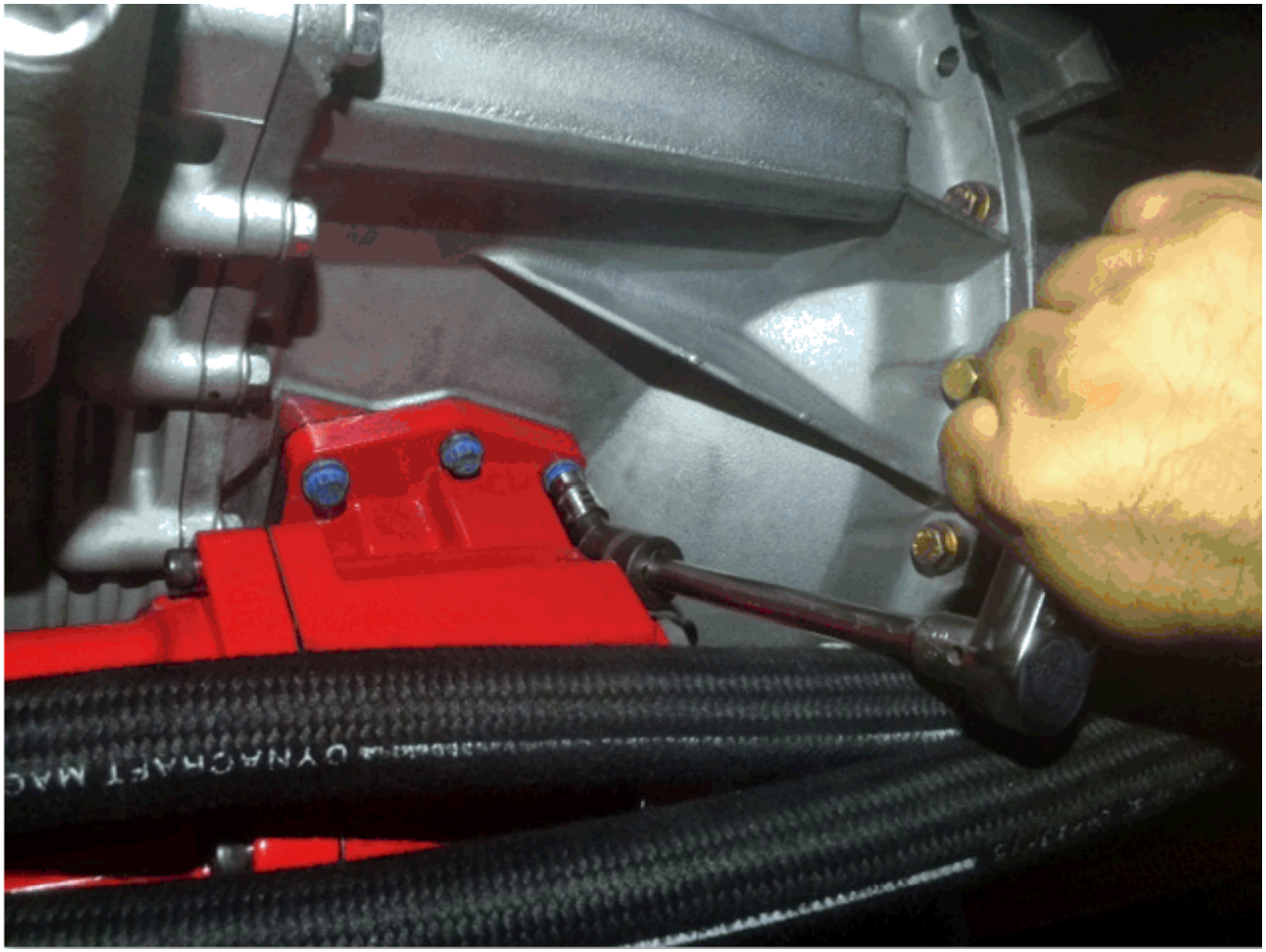
Pictures



Pictures

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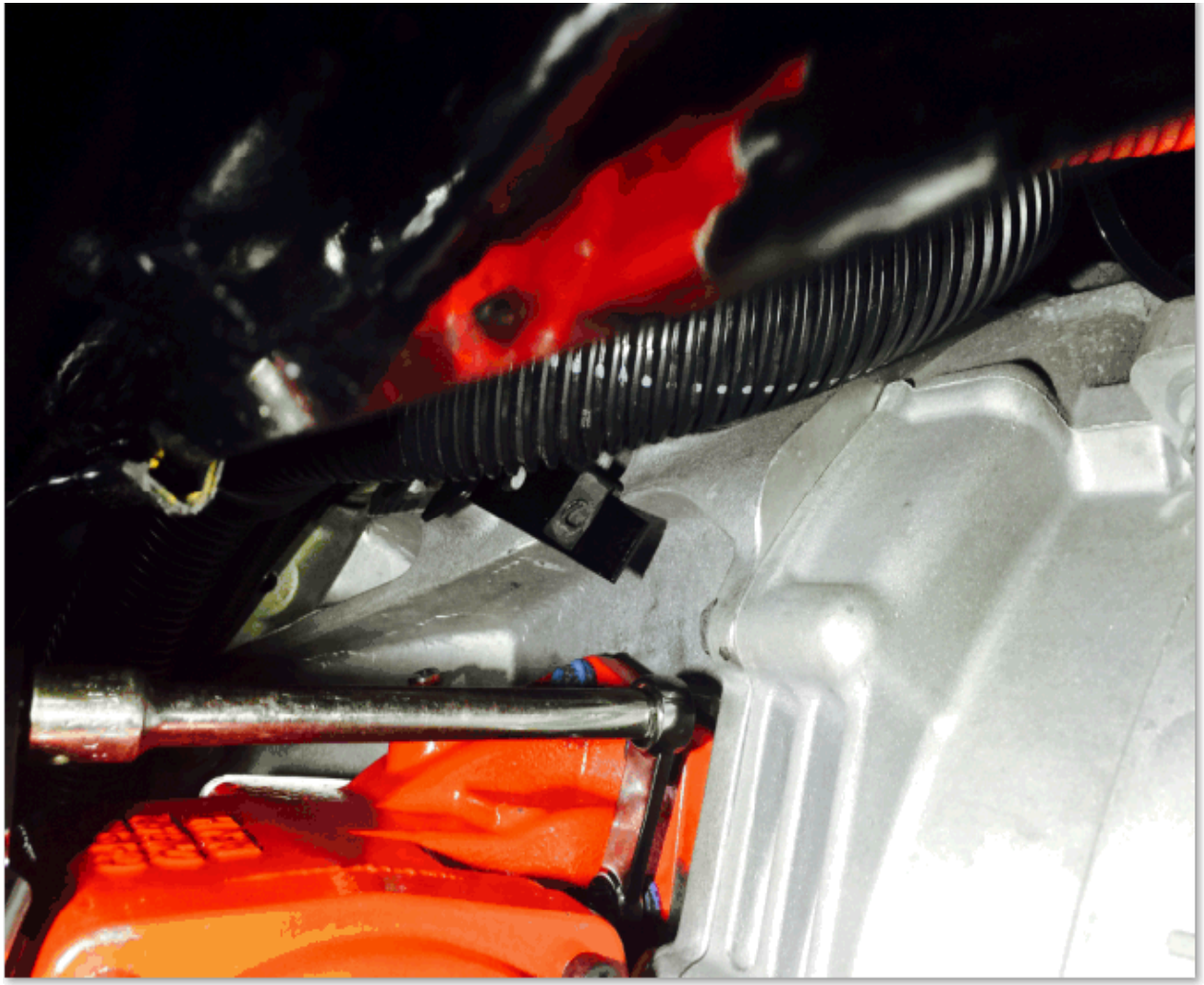

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