



SFA Companies

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Model BH7451 250 LB. CAPACITY FLYWHEEL ADAPTER

Operating Instructions

Note: This product is designed to be used in conjunction with Blackhawk Clutch Jack, BH7450 only. Refer to Figure 1 to ensure all parts are included before use.

Install the flywheel adapter

1. Keep the clutch jack in lowest position. Remove the release pin, then remove the spline sleeve and adapter shaft.
2. Install the flywheel adapter assembly, then secure with the quick release pin.

Removing a Flywheel

1. Remove all the flywheel attaching bolts (flywheel to crankshaft bolts) except for the top bolt and two 90 degree to the top bolts pointed in Fig. 2.
2. Install the flywheel adapter as shown in Fig. 2. Close the release knob fully. Pump the handle to raise the lift arm and align the flywheel adapter to the flywheel using the tilt adjustment bolt.
3. Center the flywheel adapter to the flywheel and bolt the adapter to the flywheel. Leave room to access the remaining three flywheel attaching bolts retained on the flywheel.

4. Ensure the release knob of the jack is closed tightly, then remove the last three flywheel attaching bolts.
5. Back the jack and flywheel away from the engine and slowly lower the flywheel.
6. Then while supporting the flywheel, remove the flywheel from the adapter.

Loading and Unloading a Flywheel from the Jack

1. To load or unload a flywheel from the jack, be sure the jack is in lowest position.
2. While supporting the flywheel, remove the flywheel from the adapter.

Installing a Flywheel

1. Close release valve knob, pump the handle and raise the flywheel into position shown in Figure 2 for installation. Adjust the flywheel using tilt adjustment bolt to align the flywheel with the crankshaft.
2. Install and tighten the attaching bolts.

Note: Tighten the flywheel attaching bolts gradually. Each bolt should be tightened to the specified torque in a crisscross method. Refer to vehicle service manual for the tightening sequence and torque.

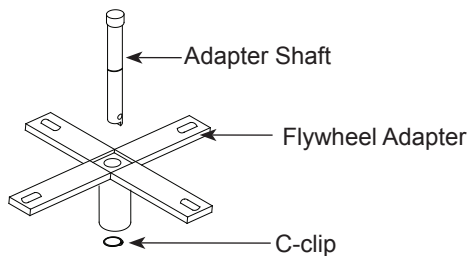


Figure 1 - Model BH7451 Components

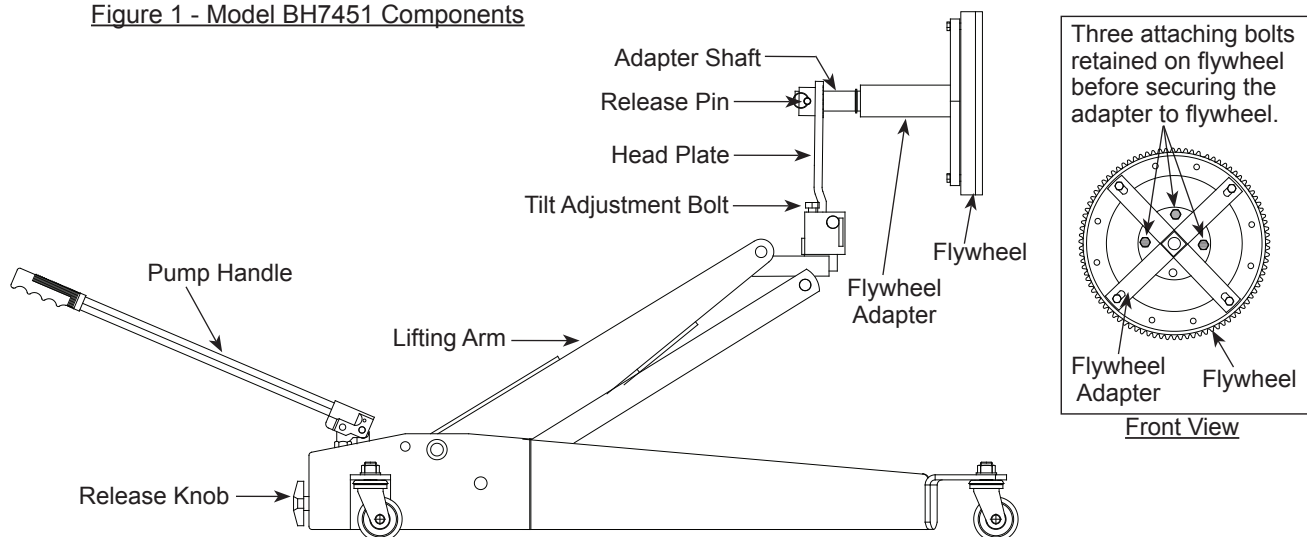


Figure 2 - Flywheel Adapter Operational Illustration