COMBINATION BOX-OPEN-END WRENCHES

The most widely used patterns are made in long and short types having a 15 angle open end and a 12-point box opening of the same size opposite. The box opening is offset at a 15 angle to the handle for clearance. Special service types including the following tools. The Split Box or Flare Nut pattern is for use on tube fittings and should not be used for high torque applications. This type has a 6- or 12-point opening offset 15 from the plane of the handle with a tube opening slot at an angle to the axis of the handle. This pattern is also available with openings of different size at each end.

Proper Uses. Combination Box-Open-End wrenches are designed for a wide variety of work. Their box opening adds to their versatility and strength. The Flare Nut pattern with its hex box opening is especially useful in air conditioning and refrigeration work where tubing terminates on flare nuts.

USE A SPLIT BOX WRENCH ON FLARE NUTS.

RIGHT

Abuse/Misuse. Do not use the open end of these wrenches to free a "frozen" nut or final tighten a hex nut. Use the box opening. Never use an extension on the wrench handle.

When to Repair or Replace. Attempts to repair Box-Open-End wrenches are not recommended. Discard any wrench with spread, nicked or battered jaws on the open end or rounded or damaged points on the box end. Discard wrenches with bent handles.