Ford Automotive Student Service
Educational Training (ASSET)

Basic Tools for Ford (ASSET) Program

1/4" DRIVE SET
- Ratchet
- Extension 3", 6", 12"
- Universal socket
- Socket set 4-15mm
- Drive handle w/female drive on top
- Socket set 4-15mm deep-well
- Torx drive set T10-T30
- Adapter 3/8" to 1/4"

3/8" DRIVE SET
- 3/8" Torque wrench, digital type 5-100 foot-pounds
- Standard length ratchet
- Flex-head ratchet
- Extensions- 3, 6, 11" & 36"
- Socket set 1/4 - 7/8" deep-well
- Socket set 1/4 - 7/8" deep-well
- Socket set 8-19mm
- Socket set 8-19mm
- Universal joint
- Torx drive set T40-T55
- Speed handle
- Adapter 3/8" to 1/2"

1/2" DRIVE SET
- Ratchet
- Extensions 6" & 12"
- Breaker bar
- Adapter 1/2" to 3/8"
- 1/2" Torque wrench, click type 50-250 foot-pounds
- Impact metric 10mm to 24mm deep

MISCELLANEOUS SOCKETS
- 1-5/8 spark plug
- 1-13/16 spark plug
- 1-9/16 spark plug
- 32mm deep-well
- 36mm deep-well
- 1/2" Air impact gun
- 3/8" Air impact

WRENCHES
- Metric combination 7-19mm
- SAE combination 3/8 - 1"
- Flare nut double end 9 - 18mm
- Hex standard 3/8" drive sockets 1/8" to 3/8"
- Hex metric 3/8" drive sockets 4mm to 10mm
- 3/8" 12mm - 12point short wobble impact socket

PLIERS
- Retaining (snap) ring small arc (inside & outside)
- Retaining (snap) ring large arc (inside & outside)
- Spark plug boot
- Relay remover
- 6" Combo slip joint
- 6" Needle nose
- 9" Adjustable joint
- 7" Diagonal cutter
- 10" Vise-Grip locking

ELECTRICAL
- Fluke 88 V/A Automotive Multimeter combo kit
- Electrical circuit tester (test light)
- Battery terminal cleaner

MEASURING INSTRUMENTS
- Spark plug wire gauge
- General use feeler gauge
- Ignition/spark tester
- Digital dial calipers
- Dial indicator (vise-grip type)
- Scribe

HAMMERS
- 12 oz. Ball peen
- 16 oz. Ball peen
- 20 oz. Dead blow
- 48 oz. Dead blow
- Rubber mallet

SCREWDRIVERS
- Pocket screwdriver
- 5 Phillips: #1, 2, 3, 4 & stubby tips
- 5 Standard: #1, 2, 3, 4 & stubby tips
- Torx: T10-T55

**SUPPLIES
- Pair of welding gloves
- Safety glasses &/or goggles
- Maglight or flashlight

BRAKE TOOLS
- Bleeder wrench 1/4" x 3/8"
- Spring pliers
- Bleeder wrench 8 x 10mm
- Adjusting spoon
- Retainer spring tool 3/4" cap
- Retainer spring tool 5/8" cap

FILES
- 10" Flat w/handle
- 8" Round w/handle
- 6" Triangle w/handle
- File card

MISCELLANEOUS TOOLS
- Wire stripper
- Wire brush
- 10 pc. Punch & chisel set
- Roll Pin punch set 5 pc.
- Hacksaw
- 12" tape measure
- Inspection mirror
- Hook & awl pick set
- Putty knife
- Radiator hose tool cable type
- Screw extractor kit
- A/C thermometer
- Utility knife
- Telescoping magnetic pickup tool
- Mechanic fingers
- Mechanic gloves
- Tire gauge
- Air pressure gauge
- Pry bar set (4-6)
- Air blow gun (2 foot long)

OPTIONAL TOOLS
- Standard deepwell 1/4" drive sockets 3/16" to 9/16"
- Ford fuel disconnect tools
- Drill bit set
- Serpentine belt tool
- Trim panel remover set
- Hand Impact driver with set of bits
- Impact deep sockets 6 point standard 9/16" to 1/2"
- 1/4" Air ratchet
- 3/8" Air drill

REQUIRED TOOLS Plus Tool Cabinet
(maximum 42" long)* ASSET reserves the right to
change or modify list at anytime.

To determine overall costs, students should plan a budget that includes the above expenses as well as room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc.

Nebraska Resident tuition rate is $60.50 per credit hour. Out-of-state tuition rate is $74.50 per credit hour. Student fee is $1.25 per credit hour. Graduation fee is $25.

Housing is available at Beatrice and Milford campuses only. Quarterly tuition, books and fees are dependent upon classes taken each quarter.

This publication should not be considered a contract between SCC and any prospective student. SCC’s Board of Governors reserves the right to make changes in this publication during the life of the publication and without notice.

* See Instructor
** May be purchased at the campus bookstore or Parts Store.