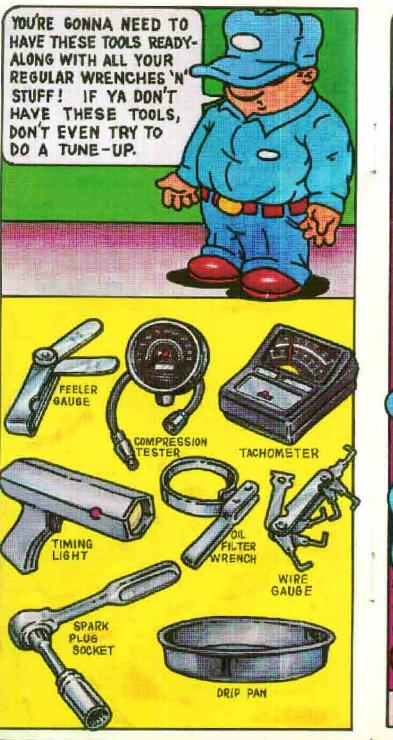
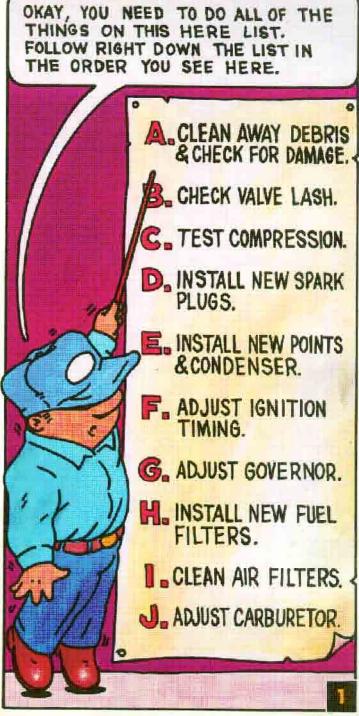


18 HP. & 22 HP.

GASOLINE ENGINE
FRONT LINE
HAULSTER / TURF-TRUCKSTER



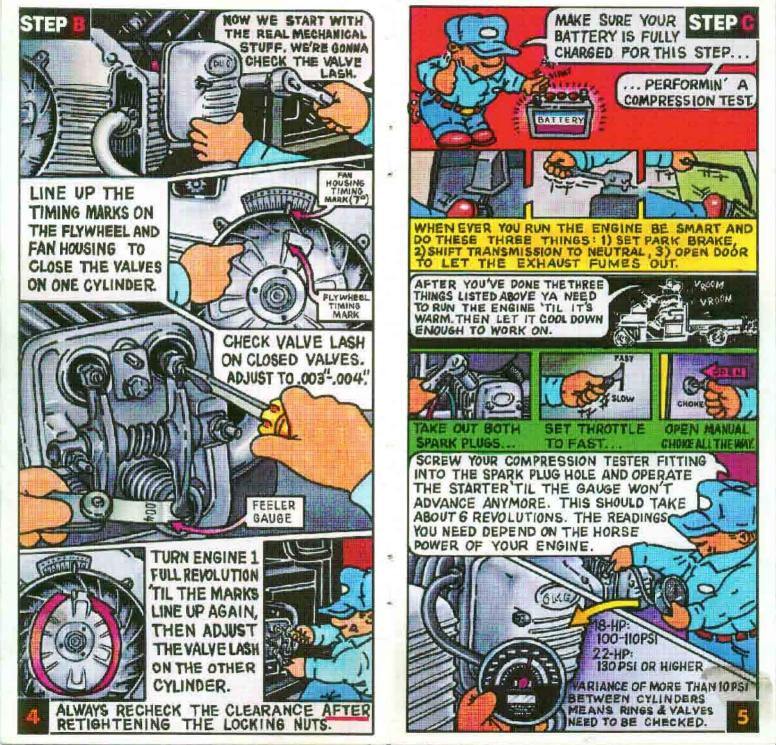


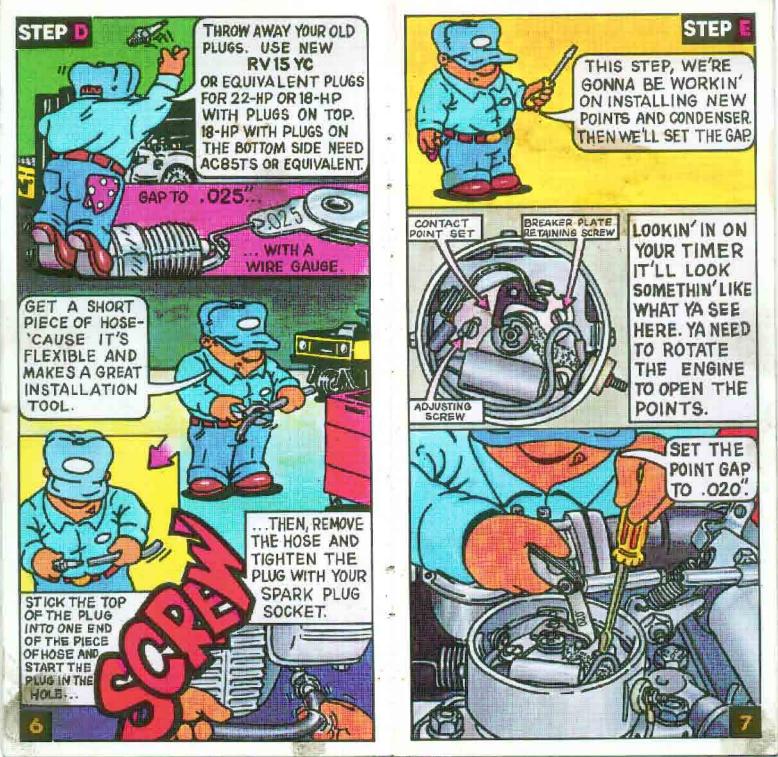


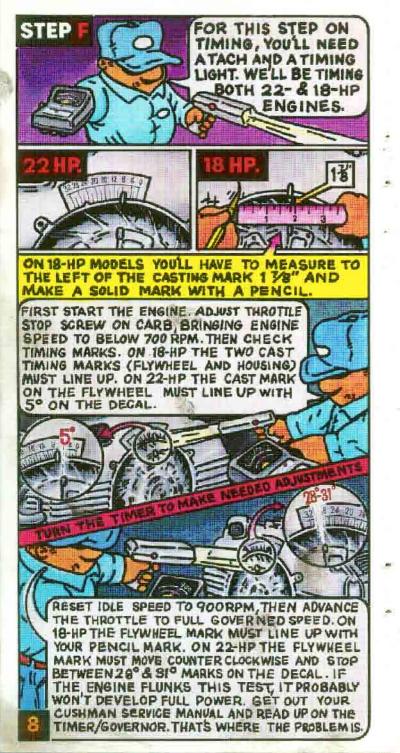
DON'T LET THE SIZE OF THESE BABIES
SCARE YA! IT'S GOT A TWO-CYLINDER
ALUMINUM DIE-CAST ENGINE MADE IN
THE GOOD OL' U.S. OF A.-RIGHT IN LINCOLN,
NEBRASKA, WHERE THE REST OF THE
VEHICLE IS BUILT. IF YA GIVE IT A LITTLE
T.L.C. (TENDER, LOVIN' CARE), IT'LL PURR
LIKE A KITTEN.

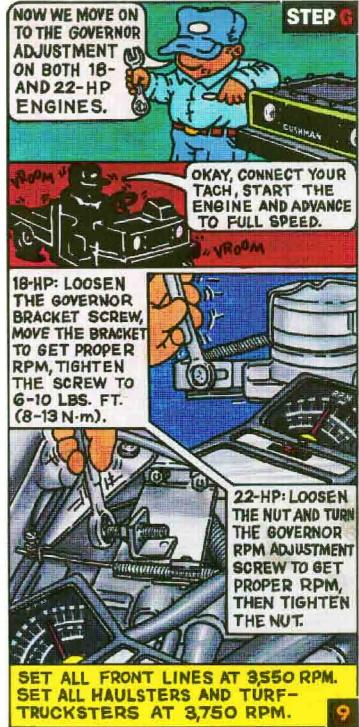


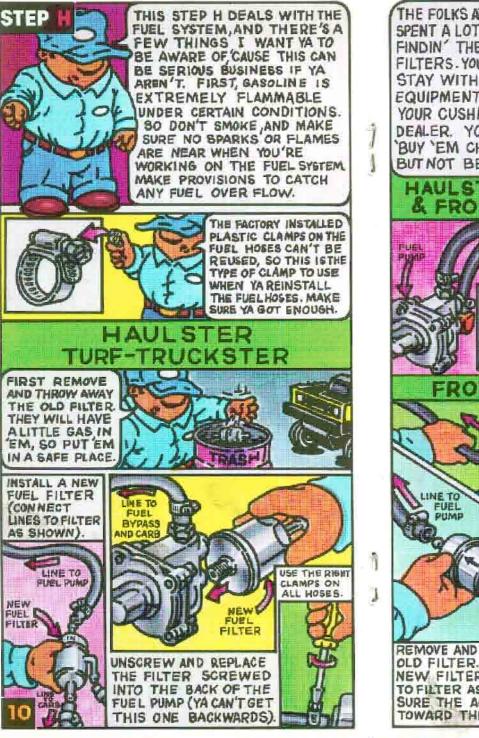


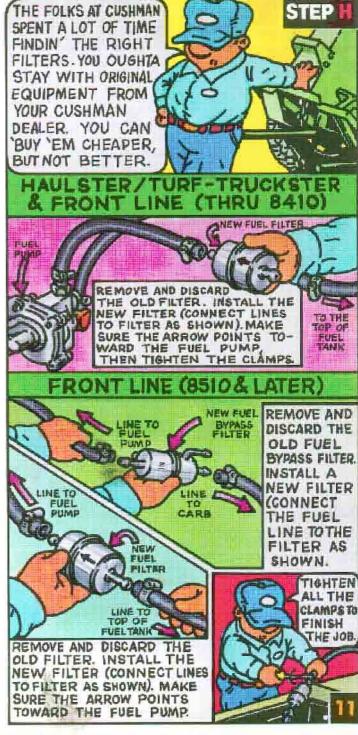




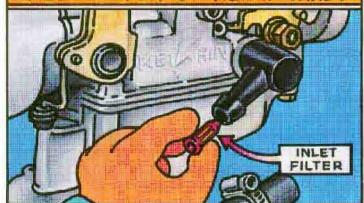












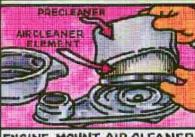
THEY HID THIS LITTLE BUGGER IN-SIDE THE INLET FITTING, IT'S NOT ON ALL KEIHINS, BUT YA NEED TO LOOK FOR IT. IT CAN CLOG UP THE WHOLE SYSTEM.USE A KNIFE BLADE OR SCREW DRIVER TO POP OUT THE OLD FILTER. INSTALL A NEW FILTER, AS SHOWN, REPLACE THE HOSE, TIGHTEN THE CLAMP (REMEMBER TO USE THE RIGHT TYPE) AND YOU'RE ALL SET

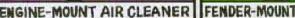
> OKAY, ENOUGH ON FUEL FILTERS. LET'S MOVE ON TO OTHER THINGS.





### FRONT LINE







# HAULSTER/TURF-TRUCKSTER



ONLY OFF-ROAD HAULSTERS AND TURF-TRUCKSTERS HAVE PRE CLEANERS.



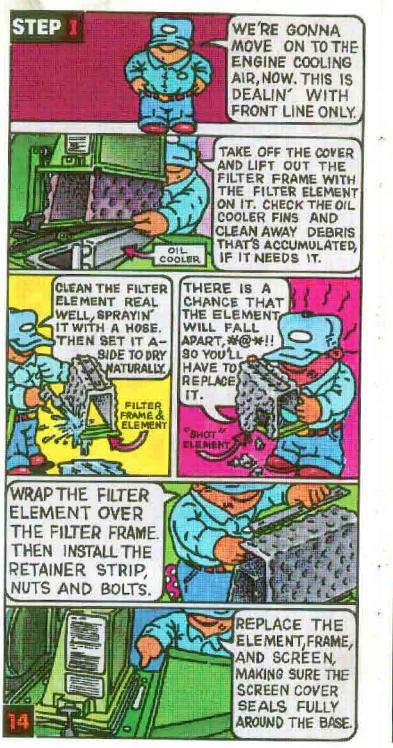
WITH SOAP AND WARM WATER, MOST BUYS WANT TO PUT OIL ON THE PRECLEANER. DON'T DO THIS ON A CUSHMAN OR YA MESS UP THE PAPER FILTER



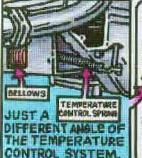
PAPER ELEMENT ON YOUR HAND TO REMOVE LOOSE DIRT. DON'T WASH THIS BABY.

HOLD THE PAPER ELEMENT TO A LIGHT BULB-YA NEED TO SEE SOME LIGHT ... BUT IF YA SEE PIN HOLES, THROW AWAY THE ELEMENT.

WHEN YA INSTALL THE FILTERS MAKE SURE ALL SEALS ARE UN-DAMAGED AND TIGHT, THAT'S JUST SO NO AIR GETS IN WITHOUT GO-ING THROUGH THE FILTER.

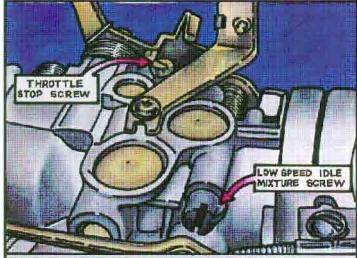






SHOULD BE CLOSED. AS THE ENGINE WARMS UP, THE DOORS SHOULD OPEN TO COOL THE CYLINDERS



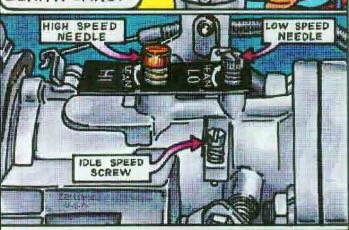


# FIRST THING TO DO IS ADJUST THE LOW SPEED

IDLE MIXTURE SCREW AS NECESSARY,
TURNIN' CLOCKWISE FOR LEAN (ON NEWER
KEIHIN CARBS YA WON'T FIND THE LOW SPEED
IDLE MIXTURE SCREW).

IDLE MIXTURE SCREW).
FINALLY, SET THE IDLE SPEED BY
TURNIN' THE THROTTLE STOP
SCREW, CLOCKWISE WILL INCREASE
THE IDLE SPEED, AND COUNTER CLOCKWISE WILL DECREASE IT. THE IDLE
SPEED YOU SHOULD AIM FOR IS 900 RPM.

FOR THOSE OF YA NOT YET FINISHED WITH THE TUNE-UP, WE NOW PRESENT THE FINAL ITEM. YA GUESSED IT, ADJUSTIN' THE ZENITH CARB.



## ZENITH CARBURETORS

OKAY, INITIAL ADJUSTMENT GOES LIKE THIS:
YA OPEN THE HIGH SPEED NEEDLE TO ABOUT 1/2
TURNS. THEN OPEN THE LOW SPEED NEEDLE TO
1 TURN. NOW ADJUST THE GOVERNOR BETWEEN
3,500 AND 3,600 RPM. AFTER YA DO THAT, YA
ADJUST YOUR IDLE SPEED TO 900 RPM.
ALLRIGHT, NOW FOR FINAL ADJUSTMENTS. THE
FIRST THING TO DO IS TO WARM THE ENGINE UP
TO OPERATIN' TEMPERATURE. WITH THE UNIT
UNDER LOAD (THE P.T.O. ENGAGED), ADJUST THE
HIGH SPEED NEEDLE TO OBTAIN THE HIGHEST
CONSISTENT ENGINE SPEED. WATCH YOURSELF

CAUSE WHEN YA ENGAGE THE P.T.O. THE MOWER BLADES WILL START TURNIN!
THE LAST THING YA DO IS DISENGAGE
THE P.T.O., AND LET THE ENGINE IDLE.
ADJUST THE LOW SPEED NEEDLE

FOR A SMOOTH IDLE. NOW YA SHOULD BE SET.

17









IF YA WANT TO LEARN MORE ABOUT THE CUSHMAN ENGINE AND THE VEHICLES IT'S USED IN, THE CUSHMAN SERVICE DEPARTMENT HAS A LIBRARY OF SERVICE MANUALS. THEY ALSO BUILD ELECTRIC POWERED VEHICLES AND HAVE MANUALS ON THEM TOO.



