

ADJUST HEADLIGHTS PROPERLY

HERE'S A PROCEDURE FOR ADJUSTING THE HEADLIGHTS OF ANY HEAVY TACTICAL TRUCK.

IT'S GUARANTEED TO AIM THE HEADLIGHT BEAM RIGHT WHERE IT SHOULD—AND GET THE GLARE OUT OF THE EYES OF OTHER DRIVERS.



BEFORE YOU DO ANY ADJUSTING, THOUGH, HERE'S A MUST: MAKE SURE YOUR VEHICLE DOESN'T HAVE ANY CARGO IN IT.

OTHERWISE, YOU'LL BE WASTING YOUR TIME.

YOU'LL GET THE RIGHT ADJUSTMENT ONLY WHEN THE VEHICLE'S UNLOADED.

CHECK AND ADJUST HEADLIGHTS FOLLOWING THESE STEPS...



1 GET A PENCIL OR CHALK AND A MEASURING TAPE OR YARDSTICK FOR MARKING AND MEASURING.

2 MAKE SURE YOUR TRUCK'S TIRES HAVE THE RIGHT AMOUNT OF AIR IN THEM.

3 CLEAN YOUR TRUCK'S HEADLIGHTS AND MAKE SURE YOU CAN GET TO THE AIMING SCREWS. THAT SHOULD HELP YOU MAKE THE NECESSARY ADJUSTMENTS.

4 FIND SOME LEVEL TERRAIN. IF THERE'S PAVEMENT IN THE AREA, THAT'S FINE. SOMEWHERE ON THE LEVEL STRETCH, YOU'LL NEED A FLAT, VERTICAL, LIGHT-COLORED SURFACE—A WALL OR FENCE—ANYTHING THAT'S STRAIGHT UP AND DOWN. AND YOU'LL NEED A LEVEL AREA EXTENDING BACK FROM THE VERTICAL SURFACE ABOUT 75 FEET. THAT SHOULD GIVE YOU ENOUGH ROOM TO MOVE YOUR TRUCK BACK AND FORTH AS YOU CHECK YOUR HEADLIGHTS.

5 NOW, USING TAPE MEASURE OR A YARDSTICK, MARK A LINE AT RIGHT ANGLES TO THE WALL AND BRING IT OUT 25 FEET FROM THE WALL.

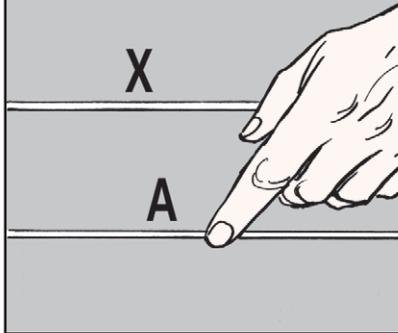
6 THEN AT THE 25-FOOT MARK, DRAW A STRAIGHT LINE PARALLEL TO THE WALL. YOUR WORK OF ART SHOULD FORM AN OVERSIZED "T".

7 DRIVE YOUR VEHICLE UP TO THE TOP OF THE "T" SO THE HEADLIGHTS STRADDLE THE 25-FOOT LINE AND ARE DIRECTLY OVER THE STRAIGHT LINE ON TOP OF THE "T".

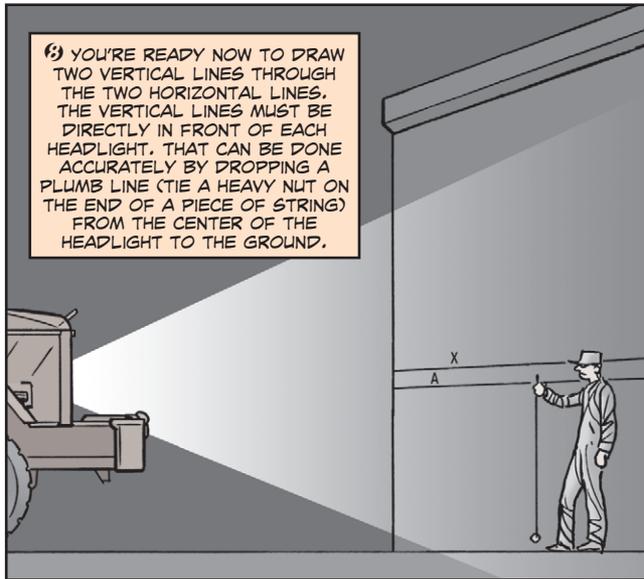
8 MEASURE THE DISTANCE FROM THE CENTER OF THE HEADLIGHT TO THE GROUND.

9 MARK OFF THAT SAME DISTANCE ON THE WALL, FROM THE GROUND UP, AND DRAW A HORIZONTAL LINE THROUGH THAT POINT, DIRECTLY IN FRONT OF THE VEHICLE. CALL THAT LINE X.

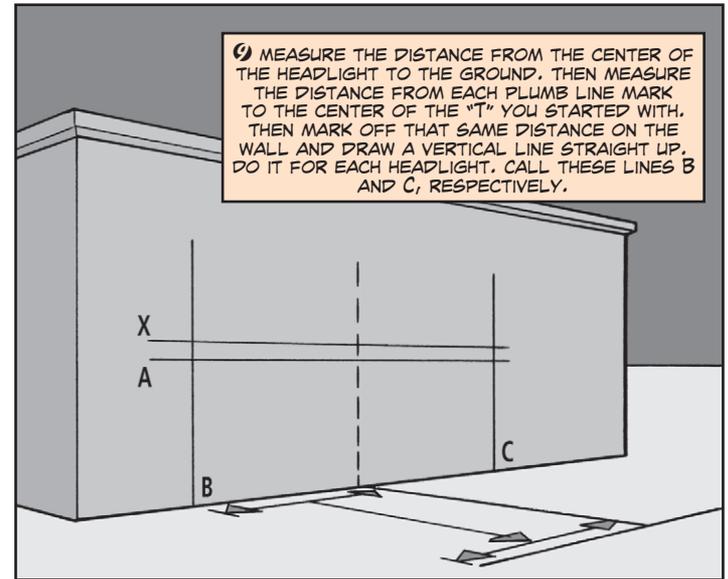
7 NOW LINE X IS THE SAME DISTANCE FROM THE GROUND AS THE CENTER OF THE HEADLIGHTS. DRAW A SECOND LINE 4 INCHES BELOW LINE X AND PARALLEL TO IT. CALL THE SECOND LINE A.



8 YOU'RE READY NOW TO DRAW TWO VERTICAL LINES THROUGH THE TWO HORIZONTAL LINES. THE VERTICAL LINES MUST BE DIRECTLY IN FRONT OF EACH HEADLIGHT. THAT CAN BE DONE ACCURATELY BY DROPPING A PLUMB LINE (TIE A HEAVY NUT ON THE END OF A PIECE OF STRING) FROM THE CENTER OF THE HEADLIGHT TO THE GROUND.



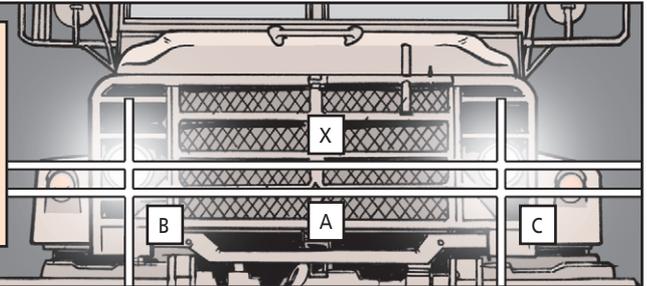
9 MEASURE THE DISTANCE FROM THE CENTER OF THE HEADLIGHT TO THE GROUND. THEN MEASURE THE DISTANCE FROM EACH PLUMB LINE MARK TO THE CENTER OF THE "T" YOU STARTED WITH. THEN MARK OFF THAT SAME DISTANCE ON THE WALL AND DRAW A VERTICAL LINE STRAIGHT UP. DO IT FOR EACH HEADLIGHT. CALL THESE LINES B AND C, RESPECTIVELY.



10 TURN ON THE HEADLIGHTS AND SELECT LOW BEAM. COVER ONE HEADLIGHT WHILE YOU'RE AIMING THE OTHER. AIM THE HEADLIGHT SO THE BEAM CENTERS AT THE INTERSECTING HORIZONTAL AND VERTICAL LINES A AND B, OR A AND C, DEPENDING ON WHICH HEADLIGHT YOU'RE ADJUSTING.

ADJUST THE LEFT (DRIVER SIDE) LIGHT SO THAT THE AREA OF HIGH INTENSITY IS LOCATED WITH ITS LEFT EDGE ON LEFT LINE B AND ITS UPPER EDGE IS ON THE HORIZONTAL LINE. ADJUST THE RIGHT (PASSENGER SIDE) LIGHT SO THAT THE AREA OF HIGH INTENSITY IS CENTERED ON RIGHT LINE C AND THE UPPER EDGE IS ON THE HORIZONTAL LINE.

11 AFTER YOU'VE ADJUSTED EACH HEADLIGHT SEPARATELY, CHECK 'EM TOGETHER JUST TO MAKE SURE THEY CENTER UP AND DOWN ON LINE A.



THESE GENERAL GUIDELINES OUGHT TO AIM YOUR TRUCK'S HEADLIGHTS IN THE RIGHT DIRECTION.

BUT IT WON'T HURT TO EYEBALL YOUR TRUCK'S MAINTENANCE MANUAL TO GET SPECIFICS ON ADJUSTING HEADLIGHTS ON YOUR TRUCK.



BUT HEMTT, PLS, AND HET DRIVERS SHOULD HEED TACOM MAM 08-050.

IT GIVES YOU THE LATEST INFO ON YOUR TRUCK'S HEADLIGHT ADJUSTMENTS SINCE THE TM PROCEDURES AREN'T CORRECT. YOU CAN VIEW THE MAM ONLINE...

https://aeps2.ria.army.mil/commodity/mam/tacom_wn/08/mam08-050a.html

AND THAT'S ALL, FOLKS. REMEMBER, MAKING THIS ADJUSTMENT ON ALL HEAVY TACTICAL TRUCKS COULD MAKE EVERYBODY'S HEADLIGHT "BLINDNESS" GO AWAY. SO DOING IT IS WORTH THE EFFORT.

