

**HEADLAMP AIMING DEVICE  
FOR MECHANICALLY AIMABLE  
SEALED BEAM HEADLAMP UNITS—SAE J602**

**SAE Recommended Practice**

Report of Lighting Committee approved October 1957 and last revised February 1959.

**Scope**—This specification applies to the requirements of a device used to aim the mechanically aimable type of sealed beam headlamp units.

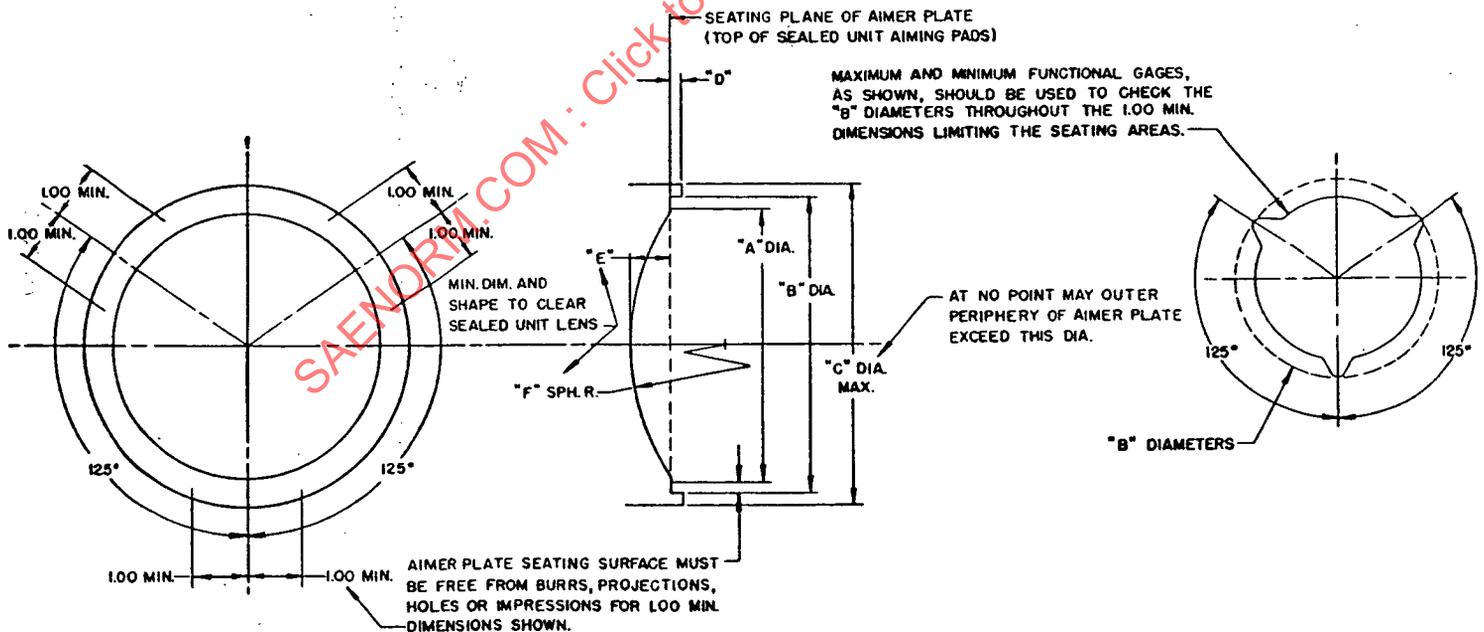
The purpose of this specification is to provide a practical laboratory test procedure to determine whether the devices under test are capable of accurately positioning sealed beam headlamp units from their aiming pads and maintaining their accuracy in service within the tolerances designated in this specification.

**Definition**—A device used to aim mechanically aimable headlamp units consists of one or more fixtures designed to seat against the three aiming pads (aiming plane) on mechanically aimable headlamp units installed

on a vehicle to facilitate accurate aiming of such units, vertically and laterally.

**Samples for Test**—Sample devices submitted for laboratory tests should be representative of the devices as regularly manufactured and marketed. Each sample should include all accessory equipment peculiar to the device. Full assembly and operating instructions should be provided, including information on how to check accuracy and maintain the device in calibration.

**Laboratory Facilities**—The laboratory should be equipped with all facilities necessary to make the tests required in this recommended



NOTE: THERE SHALL BE NO PROJECTIONS, TANGS, LUGS, ETC., ON THIS LOCATING PLATE WHICH WILL PERMIT LOCATING THE AIMING DEVICE ON ANY PART OF THE HEADLAMP OTHER THAN THE AIMING PADS ON THE MECHANICALLY AIMABLE SEALED BEAM UNIT.

LOCATING PLATE	DIMENSIONS									
	A		B		C	D		E	F	
	MAX.	MIN.	MAX.	MIN.	MAX.	MAX.	MIN.	REF.	REF.	
5 3/4"	4.830	4.770	5.375	5.345	5.700	.165	.145	.70	4.40	
7"	6.140	6.080	6.710	6.680	7.031	.180	.160	.96	5.60	

FIG. 1—DIMENSIONAL SPECIFICATIONS FOR HEADLAMP AIMER LOCATING PLATE