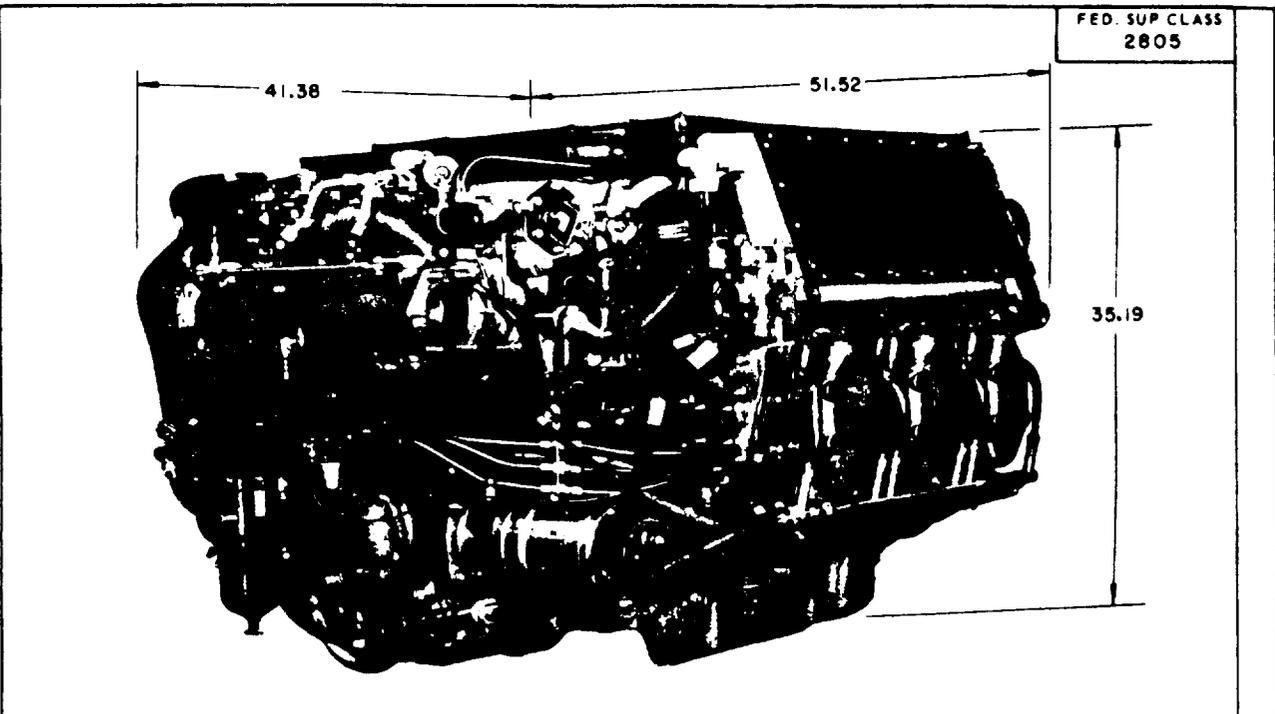


REVIEW ACTIVITIES: AF-82.85; DSA-CS  
 USER ACTIVITIES: ARMY-AV; NAVY-MC

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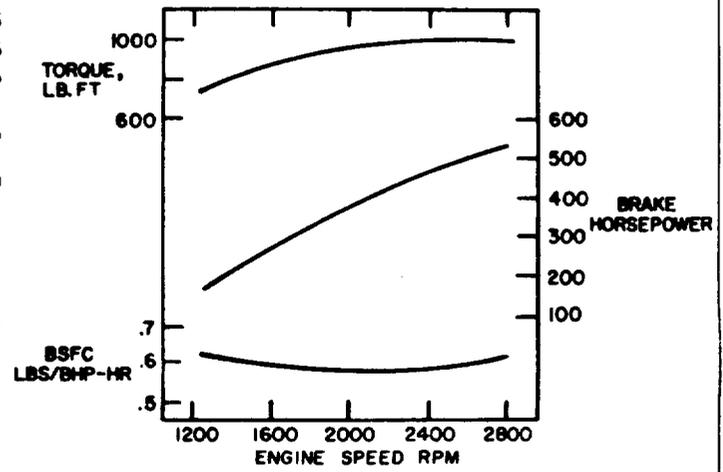
FED. SUP CLASS  
2805

**ENGINE CHARACTERISTICS:**

NUMBER OF CYLINDERS	6
BORE AND STROKE, INCHES	5.75x5.75
DISPLACEMENT, CUBIC INCHES	895
COMPRESSION RATIO	5.5:1
TORQUE, MAX. LB FT AT FLYWHEEL STANDARD CONDITIONS	945
BHP, AT 2800 RPM, STANDARD CONDITIONS	500
INDUCTION SYSTEM	SUPERCHARGED
IGNITION SYSTEM	MAGNETOS
GENERATOR	150 AMPERES
FUEL SYSTEM	INJECTION
WEIGHT, DRY	1842 LBS.*

\* INCLUDES ENGINE AND TRANSMISSION OIL COOLERS AND COOLING SYSTEM, AND ALL ACCESSORIES EXCEPT GENERATOR.

**GROSS PERFORMANCE**



**NOTES:**

1. THIS ENGINE SHALL CONFORM TO HORIZONTAL OPPOSED, 800 BHP SUPERCHARGED, WITH FUEL INJECTOR CLASSIFICATION OF MIL-E-45162.
2. ALL THREADS SHALL BE IN ACCORDANCE WITH SCREW-THREAD STANDARDS FOR FEDERAL SERVICES, HANDBOOK H28.
3. DIMENSIONS SHOWN ARE IN INCHES AND ARE FOR ENGINEERING REFERENCE ONLY.
4. MARKING SHALL CONSIST OF THE MS PART NUMBER AND THE MANUFACTURER'S IDENTIFICATION AND SHALL BE IN ACCORDANCE WITH MIL-STD-130.
5. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
6. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
7. DRAWINGS AND OTHER INFORMATION PERTAINING TO THIS ENGINE ARE AVAILABLE FROM THE U.S. ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MICHIGAN 48090.

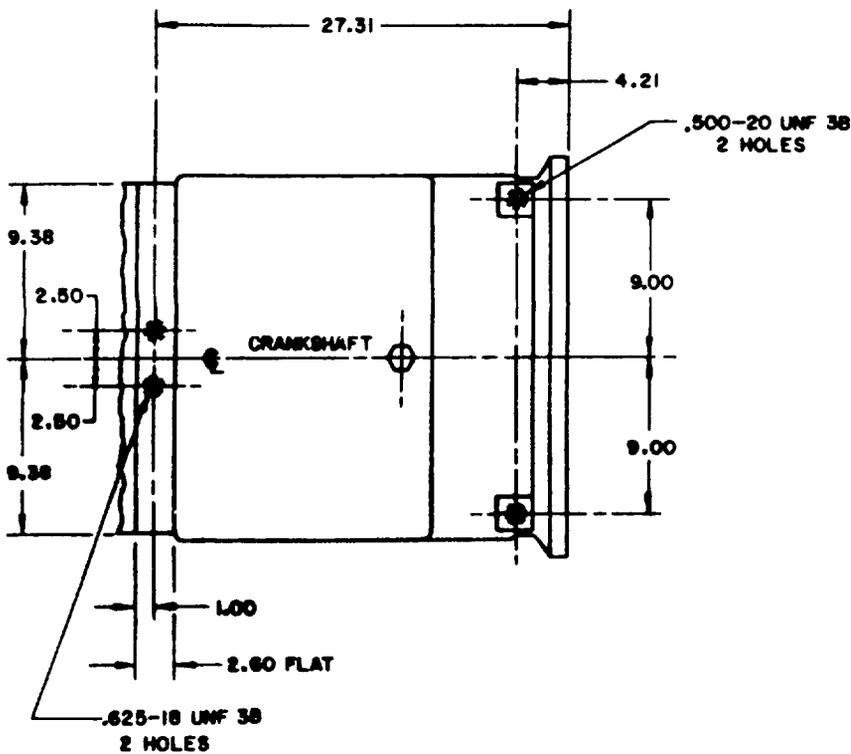
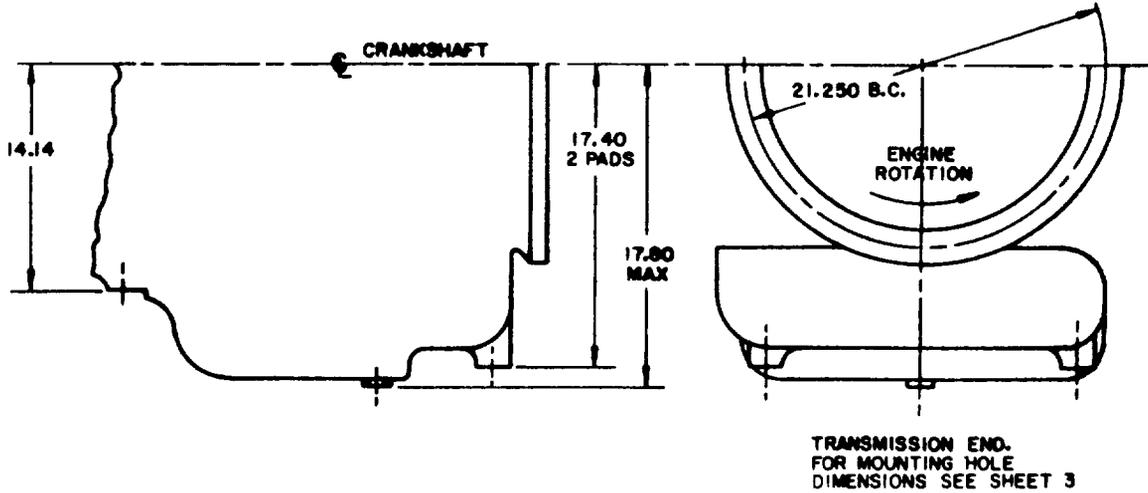
ⓑ INACTIVE FOR DESIGN AFTER 4 FEB 1988  
 NO SUPERSEDING STANDARD

MS PART NO.	ENGINEERING PARTS LIST
MS 51314-1	8376655

P A ARMY-AT	TITLE	MILITARY STANDARD
Other Cust NAVY - MC AF - 82	ENGINE, GASOLINE: AIR COOLED, 895 CU IN DISPL, 4 STROKE CYCLE, RECIPROCATING, AUTOMOTIVE	<b>MS 51314</b>
PROCUREMENT SPECIFICATION MIL-E-45162	SUPERSEDES	SHEET 1 OF 3

FED SUP CLASS  
2805

STANDARD MOUNTING DIMENSIONS FOR ENGINE MS 51314-1



ⓑ INACTIVE FOR DESIGN AFTER 4 FEB 1988  
NO SUPERSEDING STANDARD

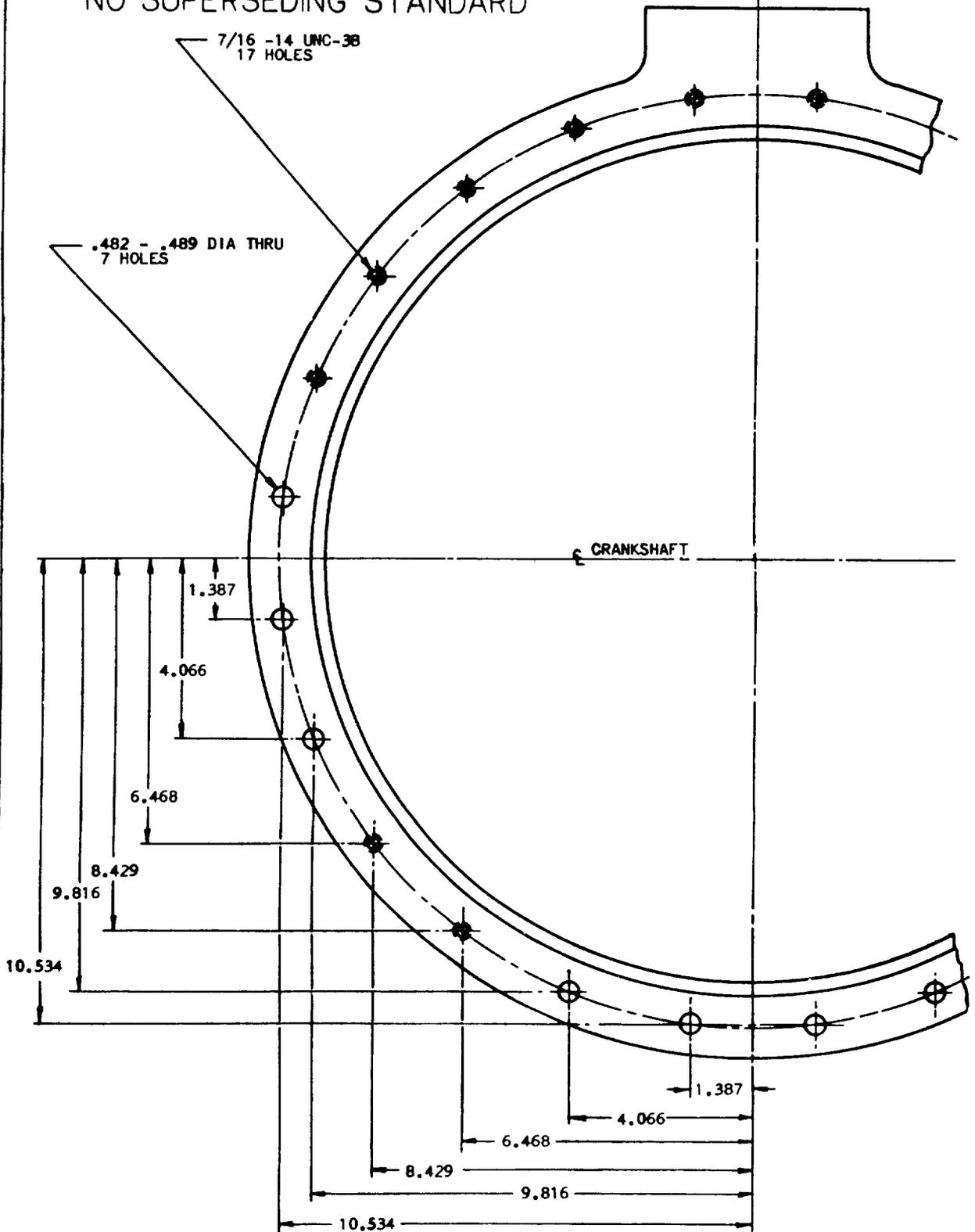
APPROVED 26 MAY 1959 REVISED Ⓐ 6 SEPTEMBER 1966 Ⓑ 4 FEBRUARY 1988

"This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document."

P A ARMY-AT Other Cust NAVY - MC AF - 82	TITLE ENGINE, GASOLINE: AIR COOLED, 895 CU IN DISPL, 4 STROKE CYCLE, RECIPROCATING, AUTOMOTIVE	MILITARY STANDARD <b>MS 51314</b>
	PROCUREMENT SPECIFICATION MIL-E-45162	SUPERSEDES

Ⓑ INACTIVE FOR DESIGN AFTER 4 FEB 1988  
NO SUPERSEDING STANDARD

FED SUP CLASS  
2805



TRANSMISSION MOUNTING DIMENSIONS FOR ENGINE MS 51314 -1

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APPROVED 26 MAY 1959 REVISED Ⓐ 6 SEPTEMBER 1966 Ⓑ 4 FEBRUARY 1988

P A ARMY-AT Other Cust NAVY - MC AF - 82	TITLE <b>ENGINE, GASOLINE: AIR COOLED,                  895 CU IN DISPL, 4 STROKE CYCLE,                  RECIPROCATING, AUTOMOTIVE</b>	<b>MILITARY STANDARD                  MS 51314</b>
PROCUREMENT SPECIFICATION MIL-E-45162	SUPERSEDES	SHEET 3 OF 3