

REPLACEMENT PARTS LIST - CONTRACT W535-AC-8131

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<u>Part No.</u>	<u>Part Name and Description</u>	<u>No. of Units</u>	<u>Unit Price</u>	<u>Total</u>
503716	Cylinder Assembly Cylinder assembly 6R was scored badly. No apparent reason for this could be found except perhaps cavitating of the coolant. This cylinder was replaced complete from the government stock on hand. The new cylinder was run-in for 10 hours on the single cylinder engine with a new piston fitted with new rings. The scored cylinder will be re-ground and lapped at a later date and held as a spare. One new cylinder assembly complete.	1		Government property
503783	Piston Piston in cylinder 6R scored badly. The new cylinder necessitated a new piston.	1	55.00	55.00
503784	Piston Ring Compression The new piston in cylinder 6R necessitated new piston rings (compression)	3	.26	.78
503842	Piston ring 3/32 bevel oil scraper The new piston in cylinder 6R necessitated new piston rings (oil scraper)	2	.52	1.04
500524	Bushing - accessory drive eccentric This bushing was scored and may have been from some dirt or mis-alignment as this bushing has been giving no trouble since installed. Replaced with new bushing no change.	1	27.32	27.32
503673	Pipe assembly - R.H. Coolant inlet This new pipe was installed in order to braze taps on to measure the pressure. The replaced pipes were returned to stock and are in perfect condition. The new pipes were taken from government stock on hand.	1		Government property
503675	Pipe assembly - coolant outlet This new pipe was installed in order to braze taps on to measure the pressure. The replaced pipes were returned to stock and are in perfect condition. The new pipes were taken from government stock on hand.	1		Government property
503787	Spark plug A new set of Champion M-11A spark plugs was installed at this time. They were obtained as samples from the Champion Spark Plug Company.	24		No Charge

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<u>Part No.</u>	<u>Part Name and Description</u>	<u>No. of Units</u>	<u>Unit Price</u>	<u>Total</u>
503721	Valve spring (outer) Valve spring on exhaust valve of 2R cylinder was broken. No apparent reason was evident. Replaced with new spring, no change in design.	1	.31	.31
503801	Pipe - intake Intake pipe on cylinder 5R was broken at the flange. A new design of gland nut is being made which should give more flexibility to the pipes and prevent this breakage. These gland nuts will not be installed at this time but will be used as soon as they are manufactured. Pipe replaced from government stock on hand, no change in design.	1		Government property
503785	Pin - piston ring Pins in pistons 1L and 6R in the second groove became loose. Replaced with a new pin fitting tight in the piston.	2	1.14	2.28
Total of Replacement Parts List dated 1-31-37				\$86.73

RECAPITULATION

Replacement parts previously reported	\$8,746.64
Total of Replacement Parts List dated 1-31-37	86.73
Total Replacement Parts listed to date 1-31-37	\$6,833.37
Spare Parts Contract W535-AC-8131	
P.O. 37-1091 Invoiced 9-16-36	\$3,372.11
Spare Parts Contract W535-AC-9573	
P.O. 37-3057 Invoiced 1-9-37	\$2,457.13
Total Replacement Parts invoiced to date 1-31-37	5,829.24
Total Government liability to date, 1-31-37, over and above the amount specified in article 17, as provided for in paragraph #3d, Item 3 of Article 15, subject contract	\$1,004.13

AIR CORPS INSPECTOR'S CERTIFICATE

I certify that the articles listed on pages one and two of this report dated 1-31-37 were inspected and accepted by me in the quantities stated, and that they conform to the contract requirements for articles and parts used in the subject engine, and that the above replacement articles and parts were necessary for the continued operation of the subject engine.

Silas C. Snyder
 Inspector's Signature
 Procurement Inspector
 U.S. Army Air Corps
 Title and Rank

2-16-37
 Date