



## Helicopter Technology Company

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30 March 2016

**Subject:** Replacement Balance Weights and Weight Retention Screws for  
HTC Tail Rotor Blade Part Numbers  
500P3100 All Variants,  
500P3300 All Variants, and  
500P3500 All Variants.

Dear Sirs,

Per HTC Master Document Lists MDL-3100-01, Revision M, Dated 11/01/05, MDL-3300-01, Revision F, Dated 11/01/05, and MDL-3500-01, Revision F, Dated 11/01/05, or later FAA Approved Revisions, the appropriate Balance Weight Part Numbers and Weight Retention Screw Part Numbers for the Tail Rotor Blade Assembly Part Numbers 500P3100 All Variants, 500P3300 All Variants, and 500P3500 All Variants are as follows:



The Part Numbers Left to Right are as follows: 500P3131-1, 500P3131-3, and 500P3131-5.

The -1 is Aluminum, 0.016 inch Thickness and weighs approximately 0.27 grams.

The -3 is Stainless Steel, 0.032 inch Thickness and weighs approximately 1.6 grams.

The -5 is Tungsten, 0.060 inch Thickness and weighs approximately 6.5 grams.

Use 500P3131-1, -3, and -5 Balance Weights as required to achieve balance. If -5 Balance Weights are used, install them before installing -1 or -3 Balance Weights.

The Balance Weights are secured with two (2) each Balance Weight Retention Screws Part Number NAS1352-08-12P torqued to between 21 inch-pounds and 24 inch-pounds total torque (15 inch-pounds to 18 inch-pounds + 6 inch-pounds Run-On Torque).

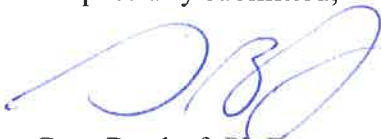
While they are functionally interchangeable with the legacy 369 Part Number Weights, HTC Part Number 500P3131 Balance Weights are the only ones FAA Certificated to be installed in HTC Tail Rotor Blade Assemblies.

Balance Tail Rotor Assembly in accordance with MDHI CSP-HMI-2, MDHI CSP-H-2, MDHI CSP-H-4, and HTC HTCМ-002 as applicable.

To purchase HTC Part Number 500P3131 Balance Weights, please contact an HTC distributor. The Cost per Balance Weight for each shall be as determined by the distributor.

If there are any questions, please contact HTC.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'GB', is written over a light blue circular stamp or watermark.

Gary Burdorf, Ph.D.  
Vice President Engineering and Quality Assurance