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1. SECTION 1 – GENERAL

The Belly Utility Mount consists of the installation of a frame system attached to existing mounting points. The mount can accommodate systems not to exceed 1.84 square feet combined spherical and cylindrical frontal flat plate area and a weight of 80 pounds. The mount is designed to accommodate antennas and similar equipment.



Figure 1 External Equipment

2. SECTION 2 – LIMITATIONS

2.1 AIRSPEED

Reduce the published Power – On V_{NE} 20 KIAS with a payload installed.

INSTRUMENT MARKING Mark the Airspeed Indicator –
Redline 135 KIAS

2.2 MOUNT LIMITS

Size: 1.84 square feet in flat plate area

Weight: 80 pounds

Minimum Ground Clearance: 5.75 inches

3. SECTION 3 – EMERGENCY PROCEDURES

No change to the basic flight manual

4. SECTION 4 – NORMAL PROCEDURES

No change to the basic flight manual

5. SECTION 5 - PERFORMANCE

5.1 HOVER PERFORMANCE

No Change

5.2 CLIMB PERFORMANCE

Reduce climb performance by 50 ft/min with both the FLIR and Nitesun installed or the mount and payload alone.

6. SECTION 6 – WEIGHT AND BALANCE

The weight and balance data is contained in the installation manual.