

## **BDPI-09 (Primary Information Sensor Unit)**

1. Nomenclature/ Part No/ GIG No. - **BDPI-09 / Primary Information Sensor Unit / 1441532**

2. Year of Procurement/ Source. – 31 Aug 21/ M/s Russian Helicopters

3. Fleet/ Sub System/Wpn System. –**Mi-17V5 / BDPI-09**

4. Technical Applicability/ Broad Purpose.IT MEASURE ANGULAR RATES AND LINEAR ACCELERATION ACTING ABOUT ITS MEASURING AXIS, PERPENDICULAR AXES.

5. Technical Specifications (attach as separate sheets)

Voltage	27 V DC and 36 V AC
Fiber optics gyro	03

The PISU incorporates three rate gyros (measurement range of angular rates about the X and Z axes 30°/s, about the Y axis 60°/s) and three solid-state accelerometers (measurement range of linear accelerations in the X and Z axes is  $\pm 3$  g, in the Y axis is  $\pm 5$  g) housed in a single enclosure. The PISU consists of two DUSU-M-30AC rate gyros, one DUSU-M-60AC rate gyro, two AT-1112-3B accelerometers, one AT-1112-5B accelerometer and a MDM-15 built-in power supply.

6. Publication Details (attach as separate sheets).

PKV-8 repair Mannual	Page no-01 fig no-01
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7. Photograph of Equipment.



8. Brief Description. IT MEASURE ANGULAR RATES AND LINEAR ACCELERATION ACTING ABOUT ITS MEASURING AXIS, PERPENDICULAR AXES

9. Classification of Equipment- LRU/Testers/ Ground Equipment/ Role Equipment (Electrical, Electronics, Mechanical, Software based etc.). **LRU/ INSTRUMENT**
10. Previous Repair History- **OEM Supplied**
11. Criticality (Priority I, II or III). **-I**
12. Requirement: Repair or Indigenisation or both? **–Indigenisation**
13. Quantity Required (One time/ Annual). **Annual**
14. Sample Availability. **Nil**
15. Scale/ Deficiency. **–rotable used in AUTOPILOT SYSTEM MI-17 V5 HPTER**
16. If deficient - How deficiency is being plugged? **–N/A**
17. SPOC details item/ fleet wise. **SPE (IDS)**
18. Draft QTS with major testing requirement (If already designed) **–Not Applicable**
19. Any Other Relevant Information. **No**