

ART 4.1.1.3 Diagnose Equipment Faults

Identify malfunctions with on-board sensors, external test equipment, and visual inspections. ART 4.1.1.3 includes fault isolation or troubleshooting, battle damage or accident assessment, and differentiating between parts needing repair or replacement and serviceable parts or equipment.

NO.	Scale	Measure
01	Yes/No	Unit correctly identified equipment malfunctions and assessed equipment battle damage.
02	Time	To diagnose malfunctioning equipment.
03	Time	To complete diagnosis, troubleshoot, and determine repair parts requirements for faulty equipment.
04	Percent	Of equipment faults correctly diagnosed.
05	Percent	Of malfunctioning equipment deadlined with misdiagnosis.
06	Number	Of instances when unit operations are degraded, delayed, or modified due to lack of skilled mechanics and diagnostic equipment.

Supporting Collective Tasks:

Task No.	Title	Proponent	Echelon
01-1-8106	Coordinate Aircraft Battle Damage Assessment and Repair (BDAR)	01 - Aviation/Aviation Logistics (Collective)	Battalion
01-2-0338	Conduct Helicopter Maintenance	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-7016	Perform Helicopter Armament Repairs and Inspections in an Aviation Support Company/Troop (ASC/T)	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-7730	Maintain Helicopters in an Aviation Support Company/Troop (ASC/T)	01 - Aviation/Aviation	Company

		Logistics (Collective)	
01-2-8058	Coordinate Production Control and Aviation Maintenance Functions	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8059	Coordinate Production Control Procedures and Priorities of Aviation Assets	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8061	Coordinate Quality Control Actions in Support of Aviation Maintenance Programs	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8062	Perform Aircraft Technical Inspections	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8064	Coordinate Airframe Repair Platoon Aircraft Maintenance Actions	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8065	Perform Aircraft Battle Damage Assessment and Repair (BDAR)	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8066	Perform Downed Aircraft Recovery Missions	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8070	Coordinate Aviation Life Support Equipment (ALSE) Functions	01 - Aviation/Aviation Logistics (Collective)	Company
01-2-8083	Coordinate Aviation Support Company/Troop (ASC/T) Maintenance Support to Aviation Elements While the ASC/T Moves	01 - Aviation/Aviation Logistics (Collective)	Company
01-4-	Perform Ground Vehicle Unit-Level	01 -	Section

0362	Maintenance	Aviation/Aviation Logistics (Collective)	
44-4-3414	Provide Communications Support	44 - Air Defense (Collective)	Section