Task	Hazards	Consequences	Causal Factors	Control Measures	Residual Risk Level
1. Engine Inspection	Hot surfaces, moving parts	Burns, lacerations, injury	Lack of awareness, engine on, improper PPE	- Engine off and cool	Low
				- Lockout/tagout	
				- Use gloves, protective sleeves	
2. Landing Gear Replacement	Heavy lifting, unstable parts	Musculoskeletal, crush injuries	Poor lifting, inadequate equipment	- Use lifting tools	Medium
				- Team briefings	
				- Lifting technique training	
3. Hydraulic System Maintenance	High-pressure fluids, leaks	Eye injuries, skin burns, slips	Insufficient pressure release, damaged hoses	- Depressurize system	Low
				- Inspect hoses	
				- Use safety goggles, gloves	
4. Electrical Troubleshooting	Electrical shock, arcing	Burns, electrocution	Lack of de-energizing, inadequate grounding	- De-energize system	Medium
				- Use insulated tools, gloves	
				- Test voltage	
5. Fuel Tank Inspection	Toxic fumes, confined space	Respiratory issues, asphyxiation	Poor ventilation, lack of PPE	- Forced-air ventilation	High
				- Respirators	
				- Confined space protocols	
6. Wing Surface Repairs	Falls, unstable surfaces	Fractures, concussions	Lack of fall protection, improper positioning	- Use fall protection equipment	Medium
				- Train in ladder safety	
7. Tire Pressure Check	Over-pressurization, blowout	Eye injuries, hand injuries	Faulty gauge, rapid inflation	- Use calibrated gauge	Low
				- Inflate slowly, shield hands	
8. Avionics Testing	Electrical shock, equipment malfunction	Burns, data loss	Insufficient insulation, software issues	- Use insulated tools	Medium
				- Grounding procedures	
				- Backup systems	
			Improper handling,	- Use gloves, safety glasses	1.
9. Cabin Lighting Replacement	Fragile glass, sharp edges	Cuts, eye injury	broken glass	- Handle bulbs with care	Low
10. Propeller Blade Inspection	Sharp edges, pinch points		Inadequate guarding,	- Wear cut-resistant gloves	Medium
			moving parts	- Disable power to the area	
11. Oxygen System Servicing	High-pressure gas, leaks	Eye/skin injuries, suffocation	Damaged lines, improper equipment	- Check for leaks before servicing	Medium
				- Use oxygen-safe materials	
12. Battery Replacement	Chemical exposure, electrical shock	Burns, eye injuries	Improper disposal, lack of PPE	- Wear gloves, goggles	Low
				- Follow disposal protocols	
			Loose connections, damaged hoses	- Check lines, connections	Low
13. Brake System Testing	Pressurized lines, hydraulic fluid	Eye injuries, slips		- Use gloves, face shield	
14. Flight Deck Cleaning	Chemical fumes, sharp objects	Respiratory issues, cuts	Inadequate ventilation, lack of PPE	- Use appropriate cleaning solutions	Low
				- Ventilate area	
15. De-Icing Operations	Chemical exposure, slippery surfaces	Skin irritation, falls	Poor weather, lack of PPE	- Wear chemical-resistant gloves, boots	Medium
				- Place anti-slip mats	
16. Oil Filter Replacement	Hot surfaces, oil spills	Burns, slips	Inadequate cooling,	- Allow engine to cool	Low
			spillage	- Use absorbent mats	
17. Window Seal Replacement	Chemical fumes, confined space	Respiratory issues, skin irritation	Poor ventilation,	- Wear respirators	Medium
			improper PPE	- Ventilate with fans	
18. Aircraft Jacking	Unstable jacks, uneven surfaces	Tip-over, crush injuries	Incorrect jack	- Ensure level surface	High
			positioning, poor ground	- Double-check jack placement	
19. APU (Auxiliary Power Unit) Maintenance	Hot surfaces, toxic fumes	Burns, respiratory issues	Inadequate cool-down,	- Allow cool-down time	Medium
			poor ventilation	- Wear respirators	
20. Nose Gear Steering System Check	Moving parts, hydraulic leaks	Crush injuries, slins	Lack of isolation,	- Disable power	Medium
			improper PPE	- Use gloves, face protection	