

Job Performance Aids



Mike Leigh
DLA CPI Brief
18 March 2009



“Why is there always time and money to do the job over, rather than right the first time?”

CSX Railroad

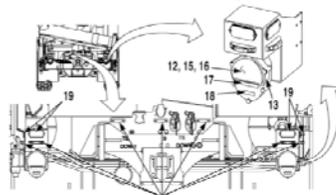


Demonstration



A Better Way to Work

| Item No. | Interval | | | | ITEM TO BE INSPECTED/ PROCEDURE: Check for and have repaired, filled, or adjusted as needed. | NOT MISSION CAPABLE IF: |
|----------|----------|---|---|---|---|------------------------------|
| | B | D | A | M | | |
| 25. | | | | | <p>LIGHTS AND REFLECTORS (CONT'D)</p> <p>g. Position blackout select switch in DOWN position and headlight switch in full UP position. Ensure parking light function (12) of rear composite lights (13) illuminates. Ensure marker/clearance lights (14) illuminate. Operate service brake pedal and ensure brake light function (15) of rear composite lights (13) illuminates.</p> <p>h. Operate turn signal lever and ensure turn signal function (18) of rear composite lights (13) blinks.</p> <p>i. Push in emergency flasher control switch and ensure parking light function (12) of rear composite lights (13) blinks.</p> <p>j. Position blackout select switch in UP position and blackout light switch in full UP position and ensure blackout parking light function (17) of rear composite lights (13) illuminates. Operate service brake pedal and ensure blackout marker brake light function (18) of rear composite lights (13) illuminates.</p> <p>k. Check side and rear reflectors (18) for damage and serviceability.</p> | Brake lights are inoperable. |



Before

MH-60 Airborne Low Frequency Sonar


Step 1-3

Caution
Mentor

1. Set 3/8 inch drive torque wrench to 100 in lbs.
2. Install 3/8 inch drive torque wrench and 3/8 to 1/2 inch drive adapter into hand crank fitting on safeguard assembly.
3. Rotate REMOTE/PARKING switch on safeguard assembly 1/2 turn to PARKING and retain with leaf spring to engage hand crank.



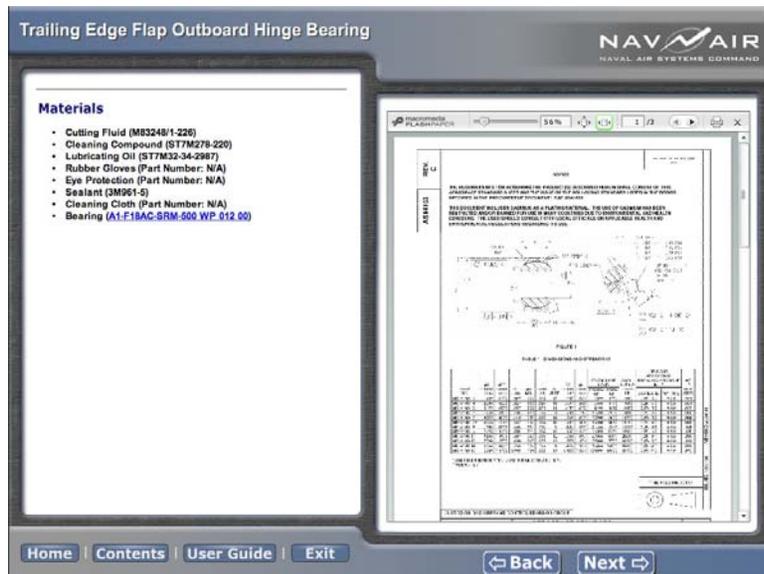
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Now



Continuous Process Improvement

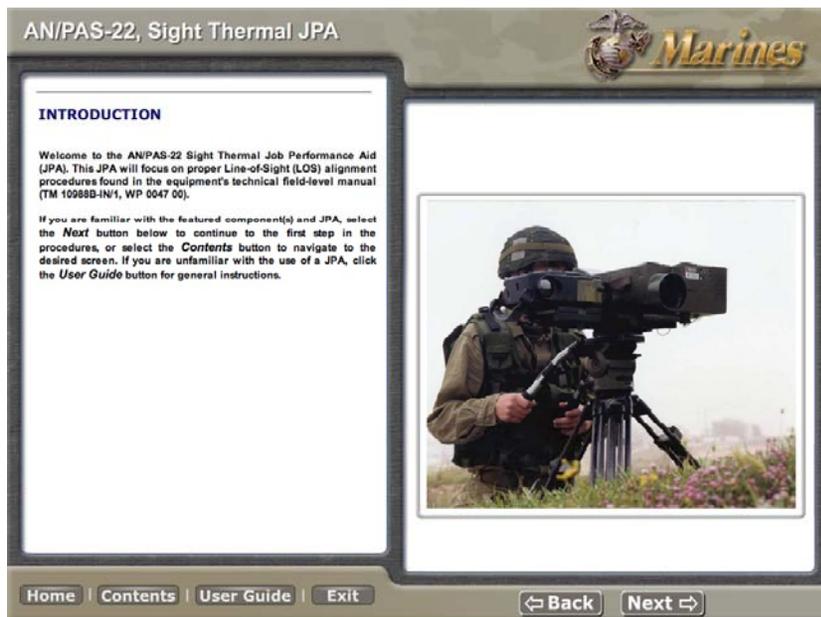
- ✓ Improve human performance (regardless of experience)
- ✓ 100% accuracy in publications (fixed during filming)
- ✓ Ensure consistency in procedures
- ✓ Unite training/tech pub/KM efforts
- ✓ Improve productivity (reduce mistakes/damaged parts/repair times/safety mishaps)
- ✓ Increase equipment readiness
- ✓ Empower workforce to constantly improve tools (feedback loop on tech team screen)
- ✓ Flexible modular design allows rapid/cost-effective change





Uses

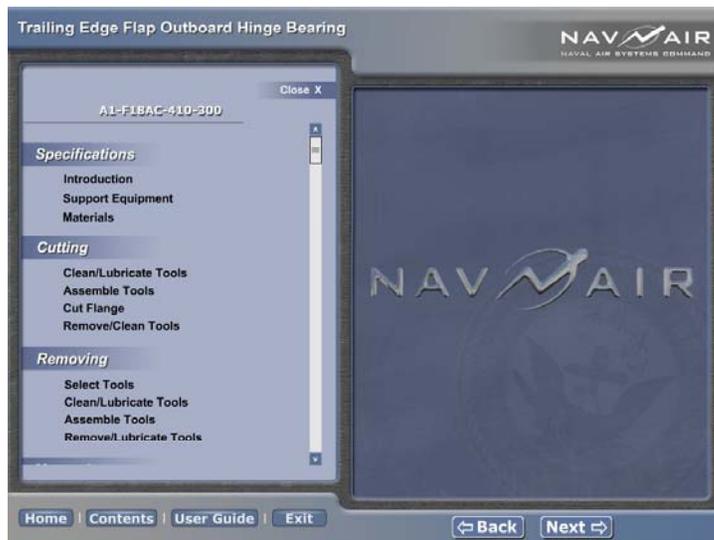
- ✓ Maintenance
- ✓ Packaging & Preservation
- ✓ Documents
- ✓ Training
- ✓ Inspections
- ✓ Complex Procedures
- ✓ Knowledge Capture
- ✓ Infrequent Actions
- ✓ Technology Insertion





ROI

- ✓ ROI (5:1 Minimum)
- ✓ 13:1 Internal locking devices (\$48K/\$600K)
- ✓ 19:1 Hangar floor coating (\$48K/800K-\$1M)
- ✓ 47:1 Outer flap bearing (\$32K/\$1.5M)
- ✓ F/18 Landing gear rigging (\$121K-\$560M)



Benefits

- ✓ Wide-spread knowledge transfer
- ✓ Info the user needs now
- ✓ Info designed to be quickly understood
- ✓ Info designed to be retained
- ✓ Info available 24/7

AN/PAS-22, Sight Thermal JPA

The Marines logo features a stylized eagle, globe, and anchor emblem next to the word "Marines" in a gold, serif font.

INITIAL SETUP

| Tools Equipment Condition | |
|--------------------------------------|-------------------------------------|
| FOV Wrench | (see Table 8-6, item 22) |
| 5/64" Hex Bit | (see Table 8-6, item 6) |
| Torque Screwdriver | (see Table 8-6, item 23) |
| TETS EO | (see Table 8-6, item 1) |
| TETS Kit, PAS-22 | (see Table 8-6, items 28-33, 35-36) |
| Housing Separated Mechanics Ruler | (see WP 0021 00) |

Materials/Parts

None

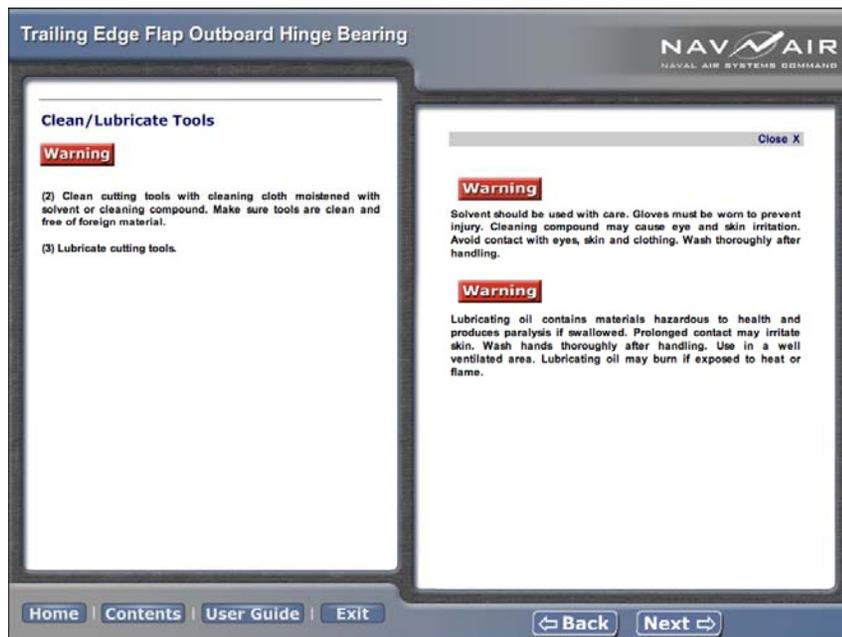
A photograph of a black metal toolbox with its top lid open and three drawers pulled out, revealing various tools like wrenches and screwdrivers.

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Production Notes



- ✓ DoD involvement (a “part in the movie”)
- ✓ Consistent design approach (Joint uses)
- ✓ Web hosting (configuration management)
- ✓ Government collaboration (MIPR funding)
- ✓ No-cost assessments
- ✓ \$65K typical cost
- ✓ Fast delivery (8-16 weeks)
- ✓ Not similar to other multimedia efforts



Contact

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