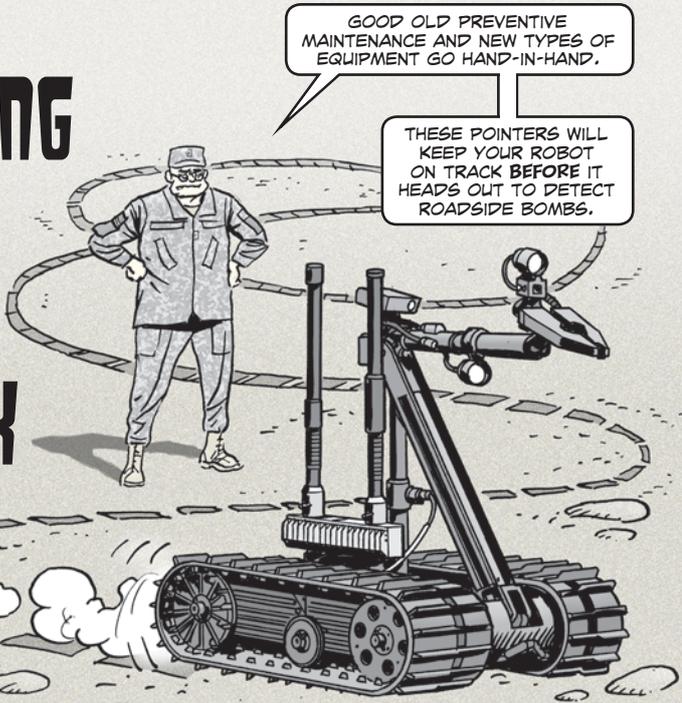


MAKING PM WORK



GOOD OLD PREVENTIVE MAINTENANCE AND NEW TYPES OF EQUIPMENT GO HAND-IN-HAND.

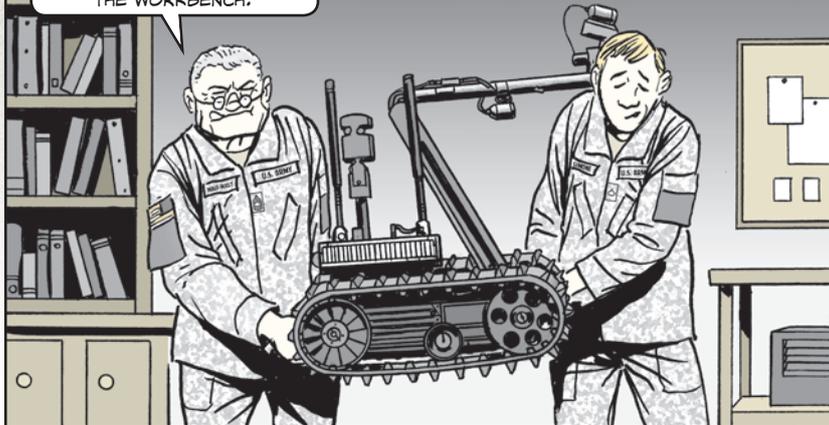
THESE POINTERS WILL KEEP YOUR ROBOT ON TRACK BEFORE IT HEADS OUT TO DETECT ROADSIDE BOMBS.

Save Your Back

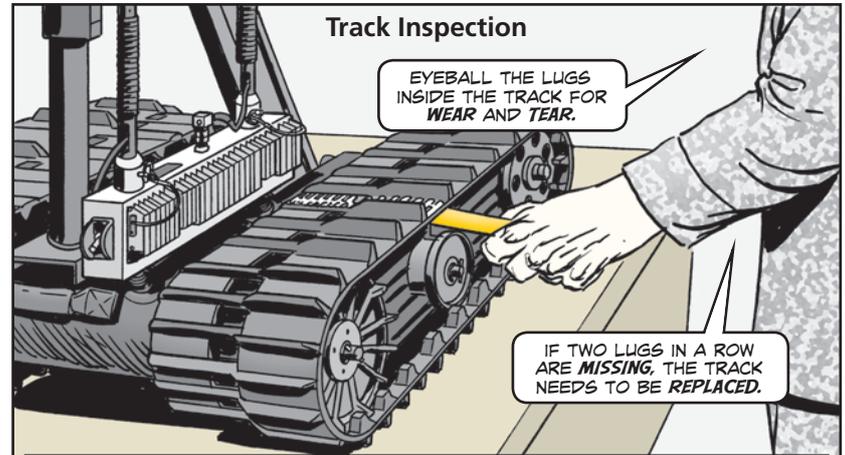
BEFORE DOING ANY CHECKS AND SERVICES, GET A BUDDY TO HELP YOU LIFT THE 115-LB ROBOT ONTO THE WORKBENCH.

MAKE IT A **TWO-MAN** JOB.

THAT WAY YOU'LL **SAVE** YOUR BACK AND **AVOID** DROPPING THE ROBOT OR **DAMAGING** ANY OF ITS COMPONENTS.

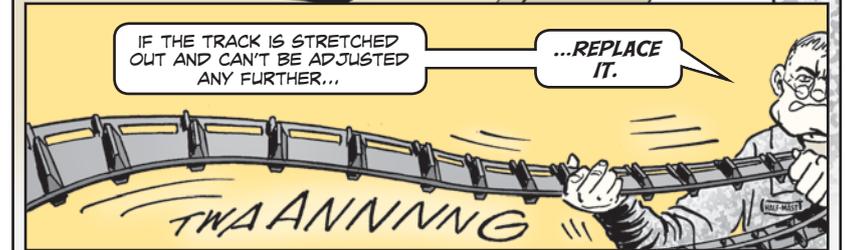


Track Inspection



EYEBALL THE LUGS INSIDE THE TRACK FOR **WEAR AND TEAR**.

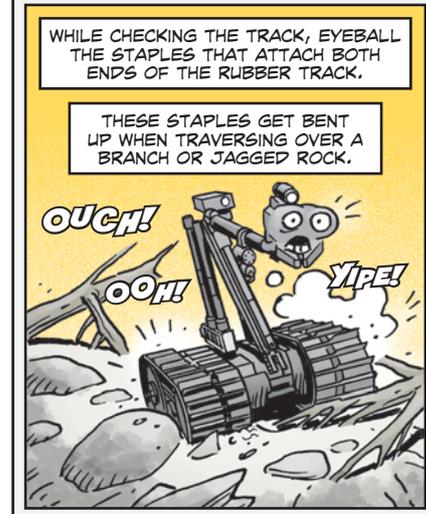
IF TWO LUGS IN A ROW ARE **MISSING**, THE TRACK NEEDS TO BE **REPLACED**.



IF THE TRACK IS STRETCHED OUT AND CAN'T BE ADJUSTED ANY FURTHER...

...**REPLACE IT**.

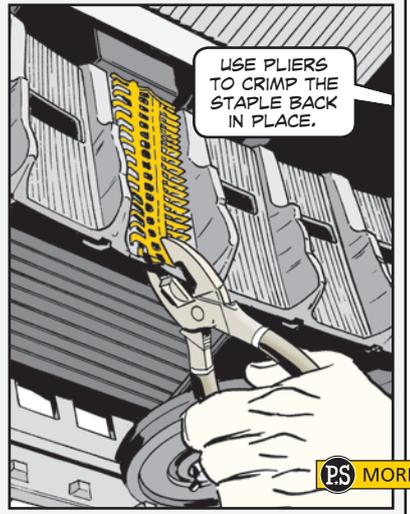
TWAANNING



WHILE CHECKING THE TRACK, EYEBALL THE STAPLES THAT ATTACH BOTH ENDS OF THE RUBBER TRACK.

THESE STAPLES GET BENT UP WHEN TRAVERSING OVER A BRANCH OR JAGGED ROCK.

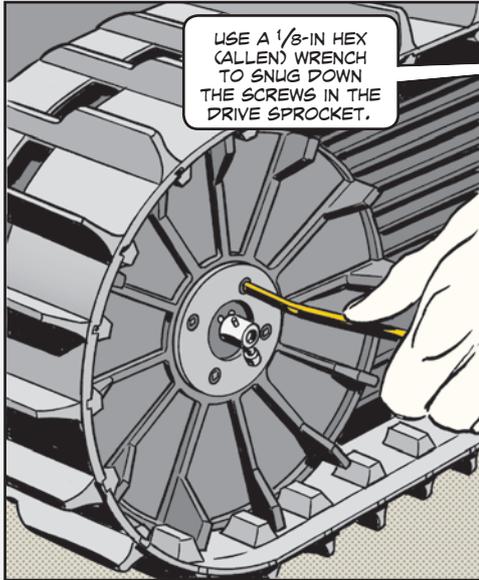
OUCH!
OOH!
YIPE!



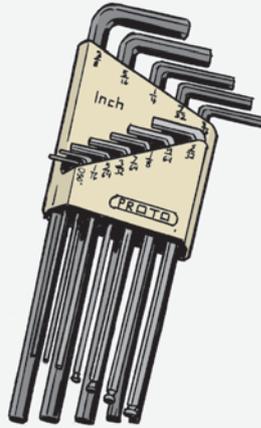
USE PLIERS TO CRIMP THE STAPLE BACK IN PLACE.

PS MORE

Drive Sprocket

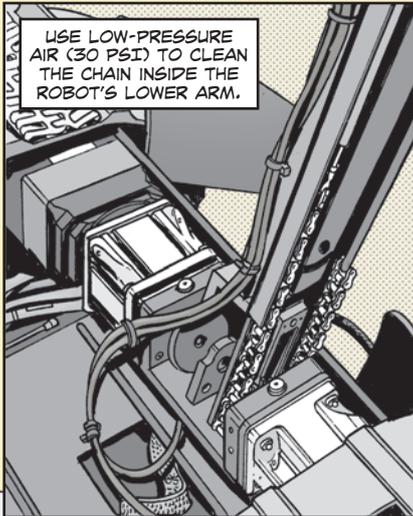


USE A 1/8-IN HEX (ALLEN) WRENCH TO SNUG DOWN THE SCREWS IN THE DRIVE SPROCKET.



YOU'LL FIND THE WRENCH IN A HANDY KEY SET THAT COMES WITH NSN 5120-01-473-9592.

Two-Stage Arm Chain

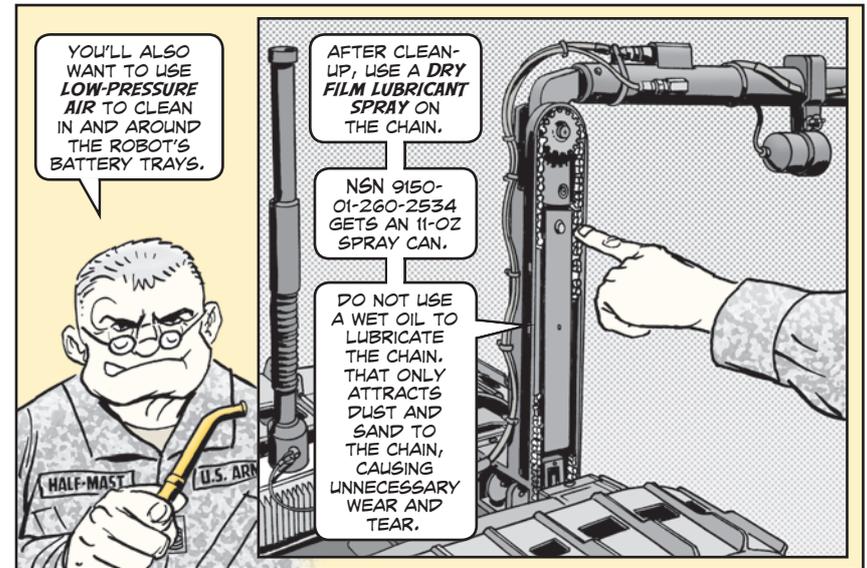


USE LOW-PRESSURE AIR (30 PSI) TO CLEAN THE CHAIN INSIDE THE ROBOT'S LOWER ARM.



HEE HEE HEE! THAT TICKLES!

PFFFT
PFFFT



YOU'LL ALSO WANT TO USE **LOW-PRESSURE AIR** TO CLEAN IN AND AROUND THE ROBOT'S BATTERY TRAYS.

AFTER CLEAN-UP, USE A **DRY FILM LUBRICANT SPRAY** ON THE CHAIN.

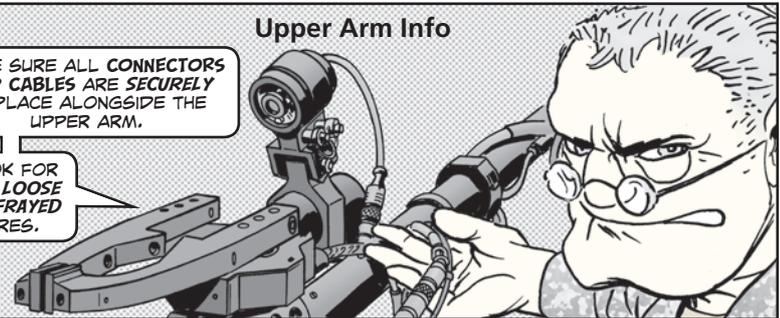
NSN 9150-01-260-2534 GETS AN 11-OZ SPRAY CAN.

DO NOT USE A WET OIL TO LUBRICATE THE CHAIN. THAT ONLY ATTRACTS DUST AND SAND TO THE CHAIN, CAUSING UNNECESSARY WEAR AND TEAR.

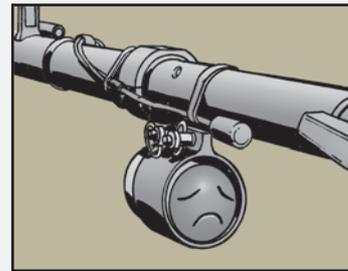
Upper Arm Info

MAKE SURE ALL **CONNECTORS AND CABLES** ARE **SECURELY** IN PLACE ALONGSIDE THE UPPER ARM.

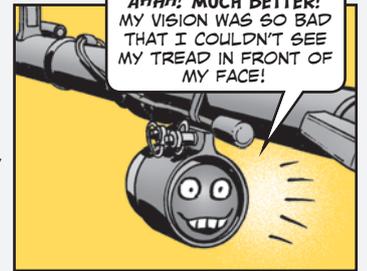
LOOK FOR ANY **LOOSE OR FRAYED** WIRES.



Lens Cleaning



MAKE SURE THE ROBOT'S CAMERA LENSES ARE CLEANED WITH A **DUST-FREE CLOTH** BEFORE HEADING OUT ON A MISSION.



AHHH! MUCH BETTER! MY VISION WAS SO BAD THAT I COULDN'T SEE MY TREAD IN FRONT OF MY FACE!