

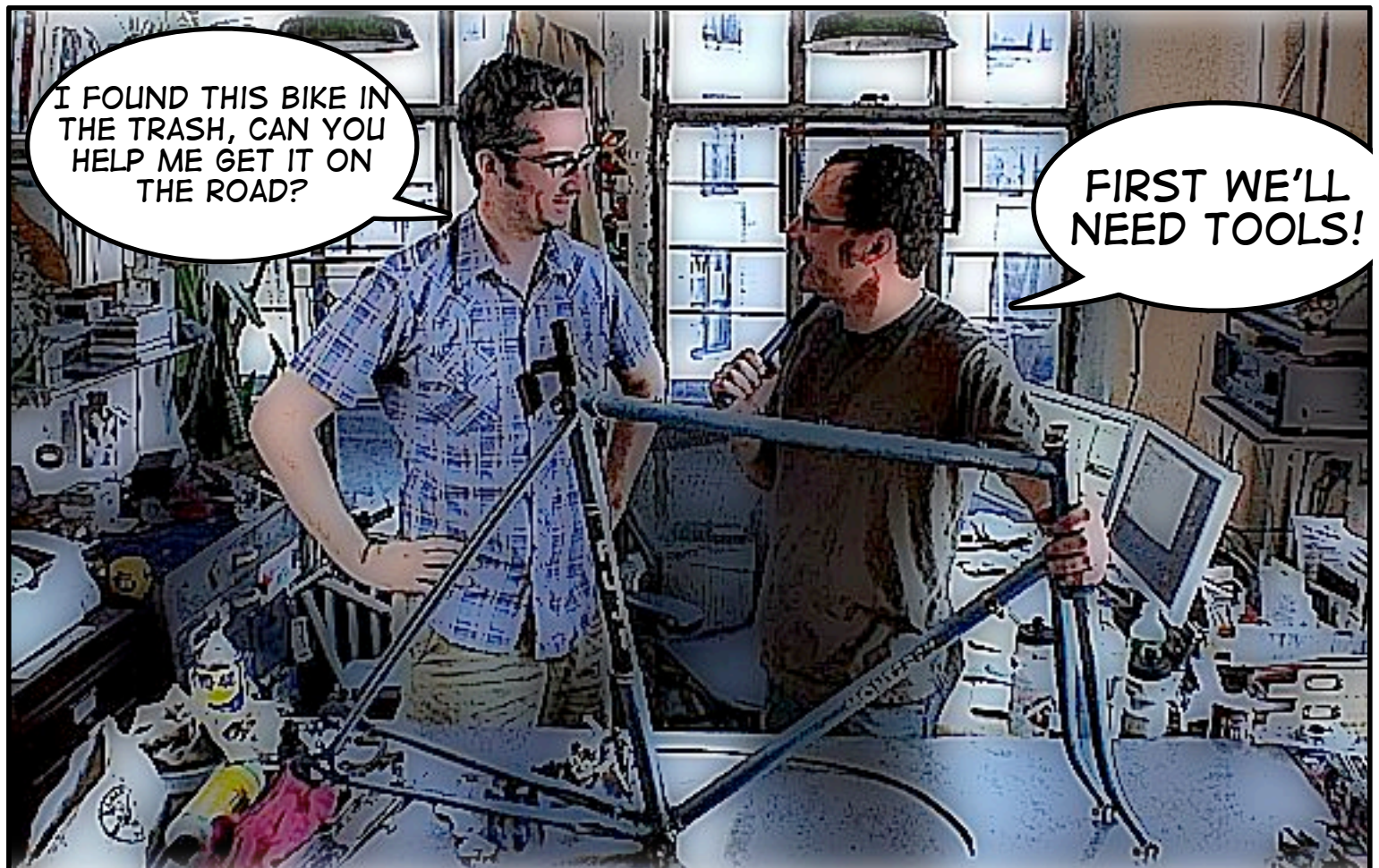
FREE

# BUILD A SINGLE SPEED BIKE

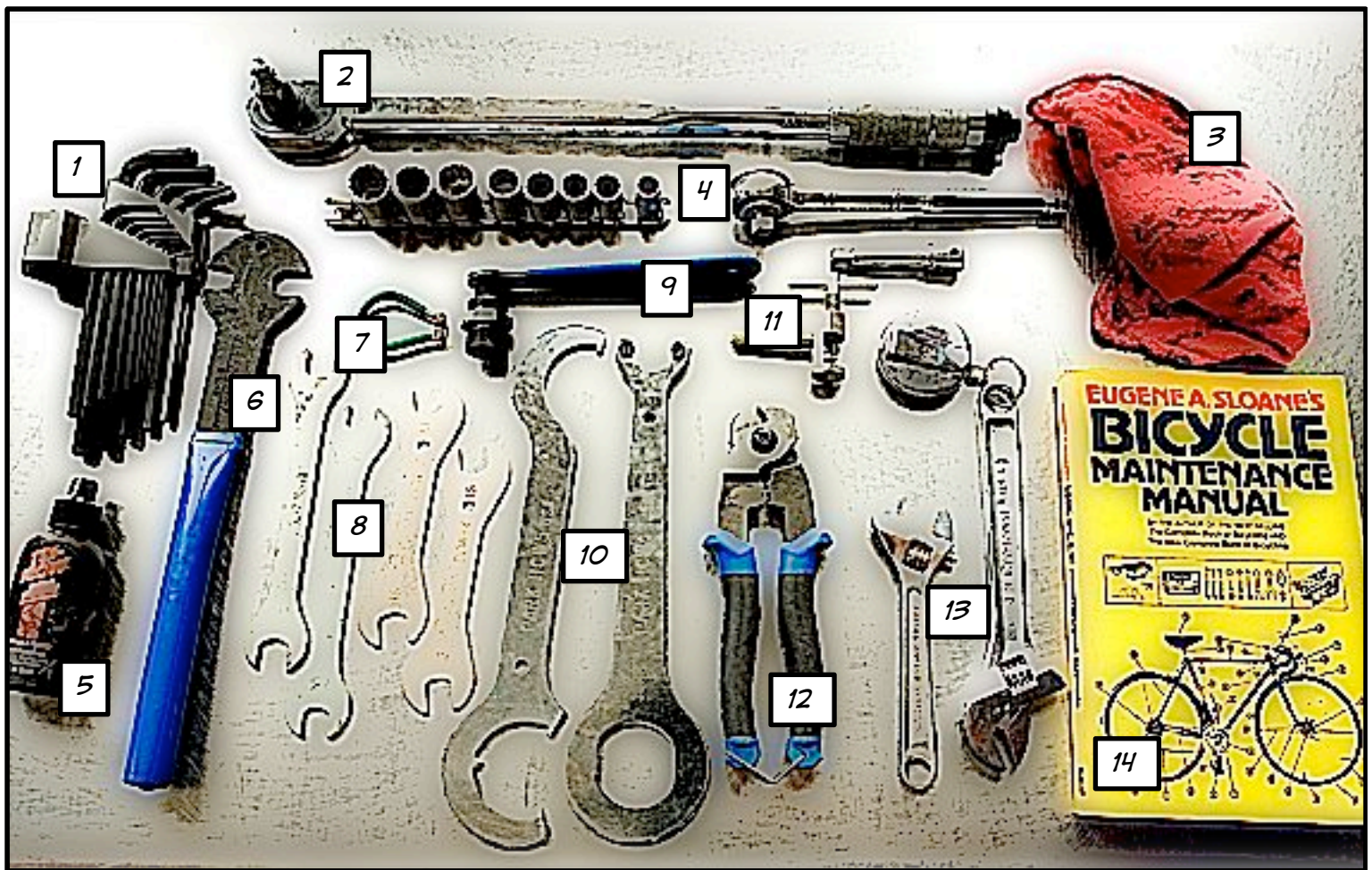
I'M GRABBING  
THIS BIKE OUT  
OF THE TRASH!

THIS IS THE MAKE: MAGAZINE WEEKEND PROJECT PDF CAST BY BRE PETTIS. LIVE THE DREAM.









## TOOLS

1. ALLEN KEY SET\*
2. TORQUE WRENCH
3. SHOP RAGS\*
4. RATCHET SET
5. LUBE\*
6. PEDAL WRENCH
7. SPOKE ADJUSTER
8. CONE WRENCHES
9. CRANK EXTRACTION TOOL
10. BOTTOM BRACKET SPANNERS
11. CHAIN TOOL\*
12. BICYCLE CABLE CUTTER
13. ADJUSTABLE WRENCHES\*
14. BICYCLE MAINTENANCE MANUAL\*
15. PIPE CUTTER OR HACKSAW\* (NOT SHOWN)

**\*IF YOU ARE JUST CONVERTING A TEN-SPEED BIKE TO A SINGLE SPEED, YOU MIGHT BE ABLE TO GET AWAY WITH JUST THESE TOOLS.**



**MOUNTAIN BIKES CAN BE CONVERTED TOO!**



## CHOP AND FLIP THE HANDLEBARS

WE'RE GOING TO RECYCLE THESE  
HANDLEBARS AND MAKE THEM  
SNAZZY!

YOU COULD  
ALSO USE A  
HACKSAW!

PIPECUTTERS  
RULE!



NEXT UP: DRIVETRAIN MODIFICATIONS

THESE OLD  
10MM BOLTS  
ARE MADE FOR  
TWO RINGS.

THAT JUST  
WON'T DO!

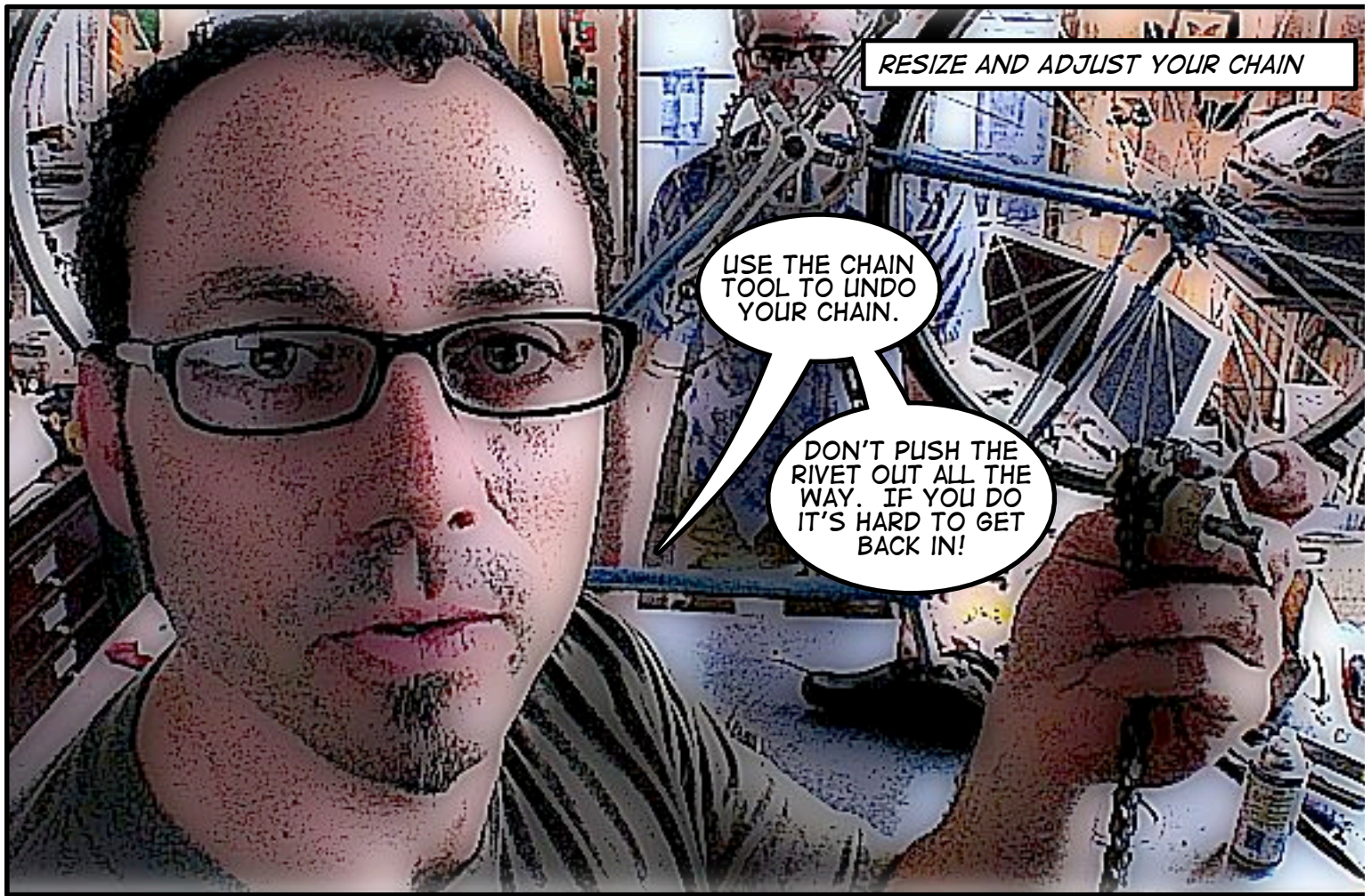
5MM BOLTS ALL  
THE WAY!

39 TOOTH FRONT RING ---->

39 TOOTH TO  
16 TOOTH IS A  
2.44 : 1 RATIO!

I'M USING A 16  
TOOTH BMX  
FREEWHEEL  
HERE.





*RESIZE AND ADJUST YOUR CHAIN*

USE THE CHAIN  
TOOL TO UNDO  
YOUR CHAIN.

DON'T PUSH THE  
RIVET OUT ALL THE  
WAY. IF YOU DO  
IT'S HARD TO GET  
BACK IN!

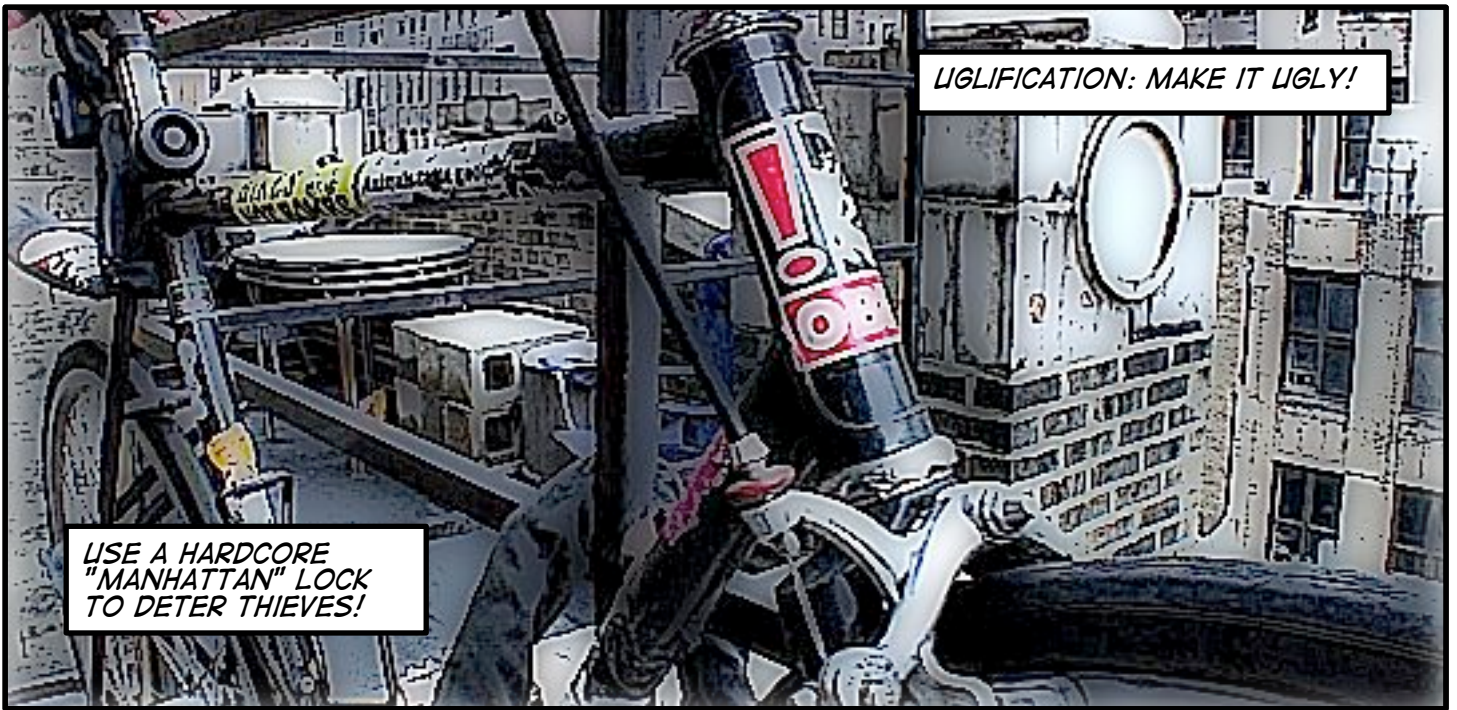


YOU WANT  
YOUR CHAIN  
LINE TO BE  
STRAIGHT!

ADJUST YOUR CHAIN  
LENGTH TO FIT  
PERFECTLY INTO THE  
DROP-OUTS.

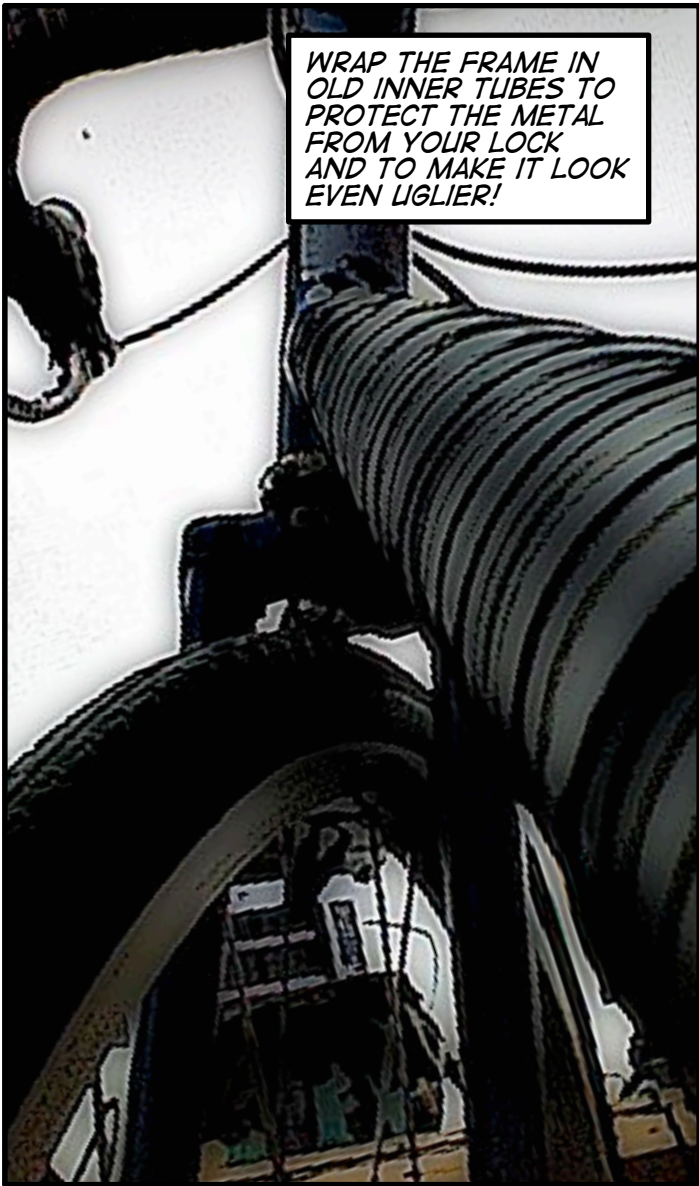






UGLIFICATION: MAKE IT UGLY!

USE A HARDCORE  
"MANHATTAN"  
LOCK  
TO DETER THIEVES!

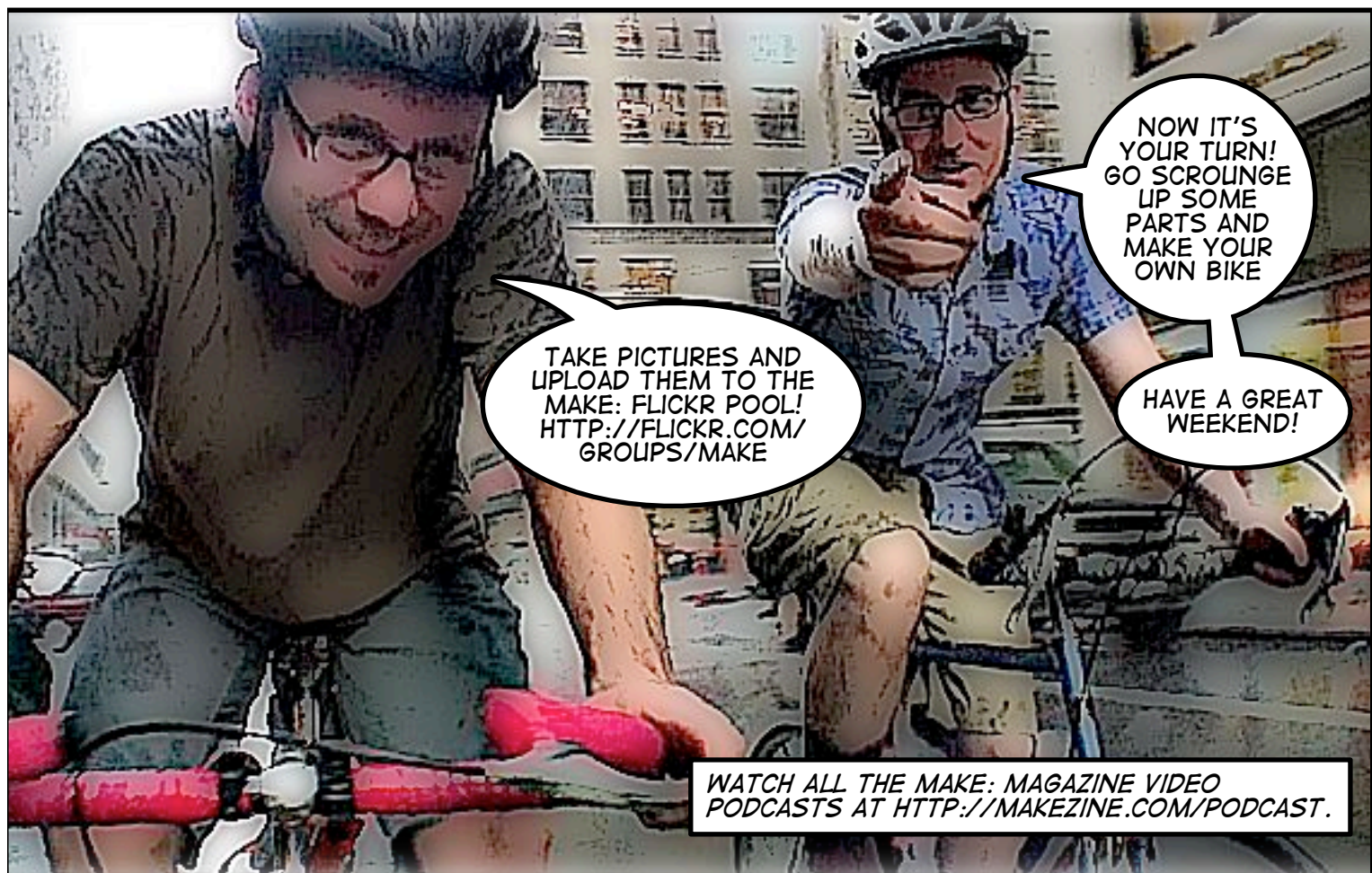


WRAP THE FRAME IN  
OLD INNER TUBES TO  
PROTECT THE METAL  
FROM YOUR LOCK  
AND TO MAKE IT LOOK  
EVEN UGLIER!



PUT STICKERS ALL  
OVER IT TO MAKE  
IT UNIQUE AND  
LOOK UGLY!







## Advertisement



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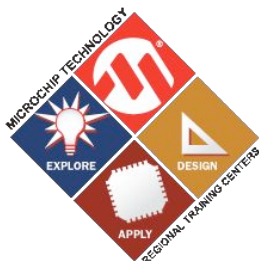
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