

Mileage Finder

Mileage search and replacement tool · BinRazor

What it does

Mileage Finder searches for numeric values inside a binary dump and, optionally, replaces them. Its main use is working with engine control units — finding and correcting the stored mileage. You load a dump, tell the tool what number to look for, and it lists every match; if you also provide a replacement, it writes the new value in place.

Click the Load button to open a file dialog, or simply drag and drop a .bin file onto it — drag-and-drop is usually faster. The dump is read into memory; your original file on disk is not touched until you explicitly save.

The input fields

Search	The value to look for (for example, the odometer reading).
Replace	The new value to write in place of each match (only used by Search & Replace).
Range	Widens the search in both directions. Range 100 with Search 10000 finds everything from 9900 to 10100.

The action buttons

Search	Finds and reports matches only — nothing is changed.
Search & Replace	Finds matches and writes the Replace value into each one.
Save As	Saves the current (possibly modified) dump to a new file.

Byte Order

Little Endian	Values stored from the least significant byte first (most common in ECUs).
Big Endian	Values stored from the most significant byte first.
All	Searches both orders at once — use it when you are not sure.

Data Size

3	Mileage stored as a 3-byte value.
4	Mileage stored as a 4-byte value (see the ×1000 note below).
All	Searches both 3- and 4-byte values at once.

Important: the ×1000 rule for 4-byte values. In most engine ECUs the mileage is stored in plain form, usually as 3 or 4 bytes in little-endian order. When mileage is kept in metres it is written as 4 bytes. Mileage Finder accounts for this: when searching a 4-byte value, say 123456, it actually matches everything from 123456000 to 123456999 — a ×1000 multiplier is applied. The Range is scaled the same way, so your tolerance stays meaningful at the metre level.

For diagnostics and legitimate servicing only. Keep a backup of the original dump and verify the result before writing it back. Full responsibility for use rests with the user.