A wrong motorcycle category drives the broad search

QUESTION

Identify the motorcycle and official category. Screen that category's US base models using the first-color, right-facing side view: which have gold or red upper fork tubes? Keep 450–800 cc models below $9,000 base MSRP, then rank by MSRP plus destination charge and report both prices.



Input image

CONDENSED TRAJECTORY

[Goal]
Identify the motorcycle, screen first-color, right-facing side views in its official category for gold/red upper fork tubes, then keep 450–800 cc models below $9,000 base MSRP and sort by price plus destination charge.

[Tool Call] reverse_image_search(input:1)

[Result]
HTTP 409; no evidence retrieved.

[Tool Calls]
web_search("Honda ... Rebel 300 image")
open_page(Honda /motorcycle/cruiser)

[Incorrect Decision]
Anchor the search to Rebel cruisers without resolving the input identity.

[Tool Calls]
web_search(Rebel 500 price)
image_search("2026 Rebel 500 side view")

[Result]
$6,799 plus $600 destination; five images load.

[Tool Calls]
image_search(Rebel 1100)
web_search(Rebel 1100 and Shadow prices)

[Result]
The image call fails. Price results give Rebel 1100: $9,699 + $775; Shadow Phantom: $8,699 + $600.

[Tool Calls]
image_search(Rebel 1100 retry)
open_page(2026 Rebel 500 specs)
image_search(Shadow Phantom)

[Result]
Five Rebel 1100-family and five Shadow images load. Rebel 500 specifications give 471 cc and a 41 mm fork.

[Incorrect Decision]
Continue within Cruiser; conclude that no base model has qualifying gold/red upper tubes. The category choice is never corrected.

[Tool Call] submit_answer(final_answer=...)

[Final Answer]
Honda Rebel 500; official category: Cruiser. No models meet the fork-color condition, so no models remain after displacement and budget filtering.