AUTOMOBILE LCD MONITOR MOUNTS

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ABSTRACT

The invention of Vehicle LCD Mounts was created as a benefit to consumers who would like to have more options to the DVD systems available for automobiles. These mounts allow consumers to have a more secure attachment to their low-cost DVD system, while at the same time not having to purchase expensive permanently installed DVD systems.
This item attaches the LCD mounting bracket to the swivel arm mount which allows the LCD monitor to pivot at the LCD Monitor Upwards/Downwards.
Part #3: Swivel Arm Mount

Attaches the LCD Monitor to the base of the LCD Monitor Mount. It allows an additional pivoting point allowing the LCD Monitor to pivot up and down.
Part #4

Pivoting Axis

Attaches to the swivel arm and allows the base plate to tilt up and down.

5/16" Hole threaded for consist of pivot mount.
The base plate is secured by using the hardened steel rods that secure the headrest into the seat. The plate fastens to the bars and stabilizes the weight of the LCD monitor and other mounting parts.
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BACKGROUND OF THE INVENTION

[0001] The origination of the idea for my invention was the noticeable need for a stylish and sturdy means of mounting LCD Monitors for portable DVD systems for vehicles. Currently portable DVD systems incorporate an elastic band or Velcro strap, which does not securely hold the LCD monitor in place.

BRIEF SUMMARY OF THE INVENTION

[0002] The invention of my Vehicle LCD Mounts was designed primarily to provide an alternative means to the current methods of mounting LCD monitors of portable DVD systems. The current method is an elastic string the wraps around the headrest in a very un-stylish and limited manner. My invention cures this problem by allowing a LCD monitor to be mounted on sturdy mounts that provides a three point pivoting system for the consumer so that the LCD monitor can be pivot left to right, up and down, and can be raised or lowered.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING

[0003] My drawings and photographs that I have included with my application define in detail the measurements of my invention and parts that make up the invention as well as a realistic view as the actual use by the consumer. The photographs are an actual representation of the prototype that was created to better visualize the products functionality.

DETAILED DESCRIPTION OF THE INVENTION

[0004] The invention of my Vehicle LCD Mounts was designed primarily to provide an alternative means to the current methods of mounting LCD monitors of portable DVD systems. The current method is an elastic string the wraps around the headrest in a very un-stylish and limited manner. My invention cures this problem by allowing a the LCD monitors to be mounted on sturdy mounts that provides a three point pivoting system for the consumer so that the LCD monitor can be pivot left to right, up and down, and can be raised or lowered.

[0005] The prototype that was created was made out of wood which was at the time the best available option for me. The actual manufacturing of the product would be out of a plastic material in order to be cost efficient. Molds would have to be designed to mass-produce the mounts. Currently as it stands nothing on the market even comes close to the design or format of my invention. I incorporated the three point pivoting axis’s so that consumers would have more versatility when using their low cost portable DVD system. The mounts attach to the rods on adjustable headrests in a vehicle. The mounts have a universal design that fits any car, truck or SUV on the market. The rods of the headrest slide through the universal mounting holes in the base of the mounts then set screws located adjacent to the rods are tightened to adjust for the various widths of the spaces between the rods in each vehicle. Then a swivel mount is attached to the base by a \( \frac{5}{16} \) threaded rod that has a circular handle or knob that loosens or tightens the swivel arm from moving the entire LCD unit up or down. Then a swivel mount is attached to the other end of the swivel arm that allows the LCD monitor to pivot forward and back. The LCD mount is attached by replacing the previous strap and bracket with the new LCD mounting bracket using the same screw mounting hole. The LCD mounting bracket attaches to the rest of rest of the mount by a dowel pin, which then gives the LCD monitor movement towards the left or right.

1. The invention “Vehicle LCD Mount’s” is claimed as one claim and pertains to no previous claims made by someone else or myself.

I am the sole owner and creator of the invention “Vehicle LCD Mounts”, and to my knowledge and research my invention is of originality.

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