

MULTIVEX ® MIRROR COMPANY

Automotive Mirror Systems/Aspheric Optics

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FOR SAFE AND HAPPY MOTORING

"MIRROR MIRROR ON YOUR CAR --- MULTIVEX IS BEST BY FAR"

CONCEPT:

MultiVex Mirrors are the most optically correct anti-blind-spot mirrors available, and are the only type patented worldwide. The spherical radius of the nearest half is flatter than standard vehicle right hand spherical mirrors, and produces larger images for improved distance judgment. The increasing curvature of the farthest part reveals the blind-spot.

MultiVex Mirrors provide about three times (about 200% more) vision area of driver side "flat" mirrors and about 50% more vision area of passenger side convex mirrors. All types of convex mirrors produce smaller image sizes than flat mirrors. This is the price that is paid for the expanded field-of-view.

Therefore the OEM notice: "OBJECTS IN MIRROR ARE CLOSER THAN THEY APPEAR"

INSTALLATION INSTRUCTIONS:

1. Remove any existing stick-on mirrors. Nylon dental floss, or music wire using gloves, will saw off the adhesive foam. Acetone or a new single-edge razor blade will remove residual foam & glue.
2. Thoroughly clean the surface of your original mirror:
 - a) Water and a paper hand towel works well for normal grime. Dry thoroughly!
 - b) If there is any wax on the mirror (say from car wash?), it must be removed. "Acetone" will remove the wax and/or any residual foam or glue. Allow to dry thoroughly!
3. Check size, fit, and alignment of the MultiVex Mirror, prior to removing the PSA tape backing, by holding it up to your original mirror. This will give you confidence in sticking the MultiVex on in proper location, and will assure you have the correct mirror for your application.
4. **CAUTION:** If the ambient temperature is below 40 degrees Fahrenheit, the original mirror's surface should be warmed by using a Blow-Dryer. Do so just before application of the MultiVex Mirror, which should be kept at 50 degrees, or warmer, just prior to installation.
5. **NOTE:** The adhesive tape location and stack combinations, on the MultiVex back, are specifically designed and arranged for each mirror model, as dictated by their *various sizes and shapes*. **100% contact of the tape area is NOT necessary** for permanent all weather adhesion, nor is it possible because of the variation of mirror face sizes and surface contour.
6. Carefully peel the protective backing from the MultiVex tape. *Align and adhere* the MultiVex over the original mirror. Gently apply finger pressure on the MultiVex over the tape locations for initial adhesion. **DO NOT APPLY PRESSURE WHERE THERE IS NO TAPE!** Finally, squeeze tightly over tape.
7. In most cases for manual or power adjust mirrors, edges of the original mirror frame may be exposed from the mirror housing, by pushing the opposite end or side into the mirror housing as far as it will go. You may then squeeze the MultiVex Mirror and the original mirror between your fingers and thumbs for a few seconds to assure positive adhesion at that point, **being sure to squeeze over all tape areas only.**
8. MultiVex Mirrors may be installed over heated OEM mirrors. If this is the case, after step (7), apply a bead of clear or black silicone adhesive (from autoparts store) across the top and down both sides to fill the gap between the MultiVex and original mirrors. Multiple beads may be required, depending upon the PSA tape gap. This will trap heat from the original mirror and will defog or defrost the MultiVex Mirror. **IMPORTANT: Do not apply silicone across the bottom; leave open for drainage of any condensation.**
9. Some mirrors have directional signal arrow lenses installed from the factory. Since the mirror coating on the MultiVex Mirrors is semi-transparent (industry standard), the *high intensity* LED's, forming these arrows, will be visible through the MultiVex. Care must be taken that no tape on the back of the MultiVex is positioned over these arrows. A second version uses less intensive light sources, and does not shine through the MultiVex as well! **If questions, please consult MultiVex Mirror Co.**
10. If desired, MultiVex Mirrors may be removed as described in steps (1 & 2). By not gouging with the corners of the single edge razor blade, the original mirror will not be damaged.

WARRANTY: MultiVex Mirrors are warranted 90-days for any or no reason, excluding only "accidental" glass breakage. Warranty is five years against manufacturing defects, or failure of the adhesive, in all normal climate conditions.

PLEASE SEE OPPOSITE SIDE OF SHEET FOR: HELPFUL HINTS FOR VEHICLE OPERATOR

HINTS & INFORMATION FOR VEHICLE OPERATOR (See Especially Para - 9):

1) We strongly recommend that ALL "first time users" of MultiVex Mirrors read this section through carefully --- AT LEAST ONCE! This will help shorten your adaptation time period and contribute to a new level of safer, pleasant, and rewarding vehicle operation. Adaptation depends upon each individual, generally varying between minutes and hours. You may take a bit longer, but don't fret --- THE BENEFITS ARE WORTH THE EFFORT!

2) CAUTION should be used when operating motor vehicles, including use of it's mirrors. MultiVex Mirrors will reveal even compact vehicles and large motorcycles, but smaller motorcycles and other smaller objects may remain "invisible" in the side blind-areas!

3) Your original passenger side mirror is spherical (constant radius) convex. The nearest half of the MultiVex Mirror is also spherical convex, but is flatter than your original mirror and hence produces larger image sizes and better distance judgment. For the passenger side application, **MultiVex Mirrors increase the field of view about 30% to 100%**, depending upon your particular vehicle type of OEM mirrors thereon, virtually eliminating the "blind spots".

4) Your original driver side mirror is FLAT. Flat mirrors produce what is referred to in the technical community as "unit image", which is the same image size as seen in any flat household mirror. Flat mirrors give the best distance judgment possible, but produce narrow fields-of-view allowing large blind-spots on the driver side. The spherical portion of the MultiVex gives an image size approximately 2/3 that of flat mirrors, proving very acceptable; while the peripheral portion provides three to four times the field-of-view, virtually eliminating this very large blind-area.

5) The reflective surface contour of MultiVex Mirrors is developed by using computer generated line-of-sight optical concepts, patented world-wide. The nearest half of the mirror is spherical convex, producing a constant image size there upon. The mirror portion farthest from the vehicle operator is aspheric convex, having increasing curvature, which is how the field-of-view is gradually expanded to virtually eliminate the blind-spots on both sides of your vehicle, consistent with maintaining the most "user- friendly" optical characteristics possible.

6) The rear portion of an overtaking (passing) vehicle will remain visible in the MultiVex Mirror, even as the front portion of the same vehicle becomes visible in the operators peripheral vision as he/she is viewing the mirror. One glance virtually see all.

7) When using the MultiVex Mirror, the operator will adapt most quickly by focusing on the nearest half of the mirror ONLY. Peripheral vision automatically sees the remaining outer mirror surface, including the farthest portion which reveals the former blind-spots.

8) To assure eye comfort, a person should not focus on the farthest half of the MultiVex Mirror for extended periods of time, which also robs critical forward viewing attention.

9) General hints for using any mirrors, but especially the MultiVex:

- a) **Focus your eyes primarily on the nearest half of mirror (especially MultiVex).**
- b) **Stay relaxed --- do not strain your eyes or your brain --- Stay calm.**
- c) **Do not stare into the mirrors, as through a pair of binoculars.**
- d) **Use several short time glances, if necessary, depending on traffic conditions.**
- e) **Use "lazy eye" techniques --- allowing your "dominant" eye to control.**
- f) **Stay focused forward --- most of the time, thats where *most* of the action is.**

With MultiVex[®] Mirrors: you see what you always wanted, but often could not!
PLEASE SEE OPPOSITE SIDE OF SHEET FOR: INSTALLATION INSTRUCTIONS