Proper School Bus Mirror Adjustment

You know your buses are being manufactured with FMVSS-111 compliant mirrors, but how do you know that your mirrors are being properly adjusted? Can you be sure that your drivers are seeing the blind areas around the bus? Are there blind areas around the bus beyond the FMVSS-111 mandated coverage?

Unsure about these questions? Then you need to see "Field of Vision", the first video (recently made available as a DVD) which teaches your team how to keep your mirrors properly adjusted at all times. This FREE guideline is a perfect addition to your driver training program. It not only shows how to keep your mirrors adjusted in compliance with FMVSS-111, but also how to see blind areas beyond FMVSS-111 regulations.

Call us for your FREE DVD copy.

Mirror System Testing
For Compliance to FMVSS-111

Rosco's Eye-Max LP™ crossview mirror systems have been certified for compliance to FMVSS-111 by most major school bus bodybuilders. These OEMs have shown time and again that Rosco mirrors not only meet, but exceed the requirements of FMVSS-111. Rosco has taken this one step further. We continue to test and improve our mirrors to make sure that they cover areas around the bus beyond the requirements of FMVSS-111. Rosco will never rest in this regard, because we know that the safety of our children depends on it.

Rosco was established in 1907. For over a century, our goals have remained the same: We are committed to producing the highest quality automotive products and providing the level of service our customers have grown to expect. Today, we supply our products to every school bus manufacturer in North America. Our products are designed and built in the USA. Our staff has grown to over two hundred people in facilities totalling over eighty thousand square feet. As we move forward we have set our goals even higher. We are now certified to ISO-9001:2000. Our focus on Total Quality Management and continuous improvement will keep our product quality at levels our customers demand. We will strive to improve our customer service through on-line and other electronic resources. We will continue to develop newer and better products to serve the ever-changing needs of the market place of tomorrow.

ROSCO® VisionSystems

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A Century of Automotive Vision Safety

Eye - Max LP™

ISO 9001:2000 REGISTERED

CAT 9030

Eye - Max LP™
Cross View Mirror System

ROSCO® VisionSystems

A CENTURY OF AUTOMOTIVE VISION SAFETY

Eye-Max LP™

ASYMMETRIC CROSS VIEW MIRROR SYSTEM

The Eye-Max LP™ represents the next step in the evolution of cross view mirrors. It improves on the performance of the already successful HawkEye® and Mini-HawkEye® mirrors.

The novelty of the Eye-Max LP™ is the revolutionary asymmetric shape of its mirror lens. This offers some significant advantages:

- Enhanced definition (larger image) of passengers passing through the danger zones around a school bus
- Lower profile reduces forward blind spots
- Enhanced coverage of dangerous passing traffic on driver side during load and unload stops
- Surpasses System "B" mirror requirements per FMVSS-111

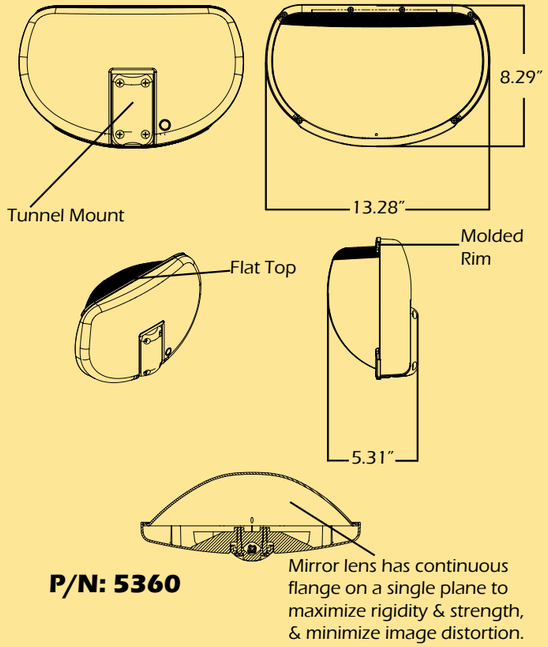
ADVANCED COMPUTER AIDED TESTING CONFIRMS EYE-MAX LP™ PERFORMANCE

Rosco is a leader in the field of Computer-Aided Testing for confirming vision solutions around the vehicle. These tests utilize accurate mirror and bus geometrics to verify that the reflected images in the mirrors achieve what is mandated by FMVSS-111 or CMVSS-111 with the proper image size. Engineers from all the major bus body builders and from Transport Canada have reviewed these types of images both at Rosco and at their own facilities for accuracy.

The computer simulation seen near and far right illustrates the advantages of the Eye-Max LP™ asymmetric mirror system on a conventional school bus. These images show FMVSS-111 test cylinders which approximate children near a conventional school bus. Several cylinders are by the rear wheels on the door side of the bus and several cylinders are in front of the bus. The reflected images in the mirror provide up to a 33% increase in image size over our own Mini-Hawkeye® mirrors alongside the bus and a 24% increase in image size in front.

Tunnel/Tube Mount

TUNNEL MOUNT ALLOWS SIDE TO SIDE ADJUSTMENT



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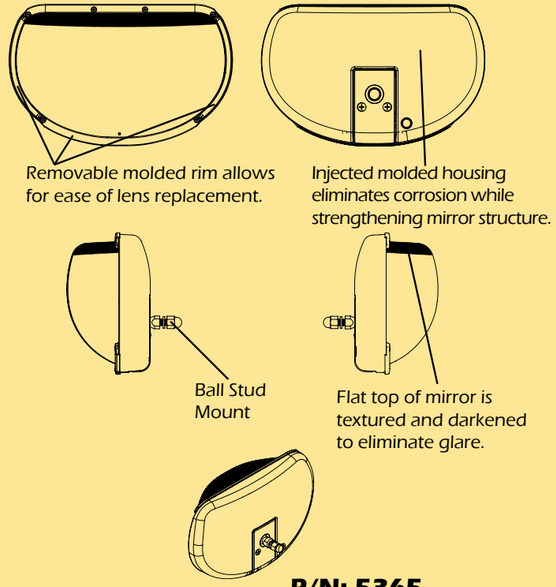
Ball Stud Mount

BALL STUD MOUNT ALLOWS OMNI DIRECTIONAL ADJUSTMENT



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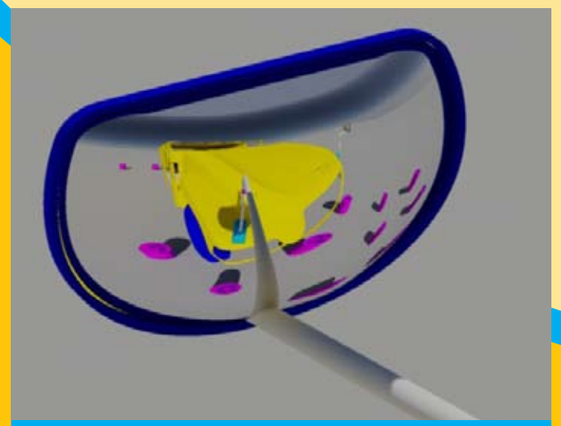
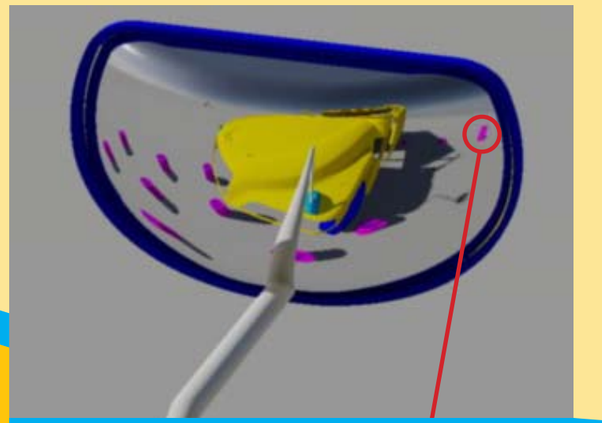


Driver side mirror as seen from driver's eye point. Objects and pedestrians in front of the bus are 24% larger than in conventional cross view mirrors



Passenger side mirror as seen from driver's eye point. Objects & pedestrians at the rear axle area are 33% larger than in conventional cross view mirrors

Eye-Max LP™

THE EYE-MAX LP™ ASYMMETRIC MIRROR

Different sections throughout the mirror yield optimum viewing parameters for specific danger zones around the bus. These asymmetric mirror divisions are designed to increase image-size and coverage in all areas around the bus.

Asymmetry makes better use of the mirror surface by tailoring specific areas of the mirror to the needs of specific danger zones around the bus. By the rear wheels of a bus along the door (curb) side, images must be large enough to detect a child running to catch the bus. The Eye-Max LP™ asymmetric crossview mirror enlarges those images by as much as 33% over our industry-leading Mini-HawkEye® mirror. In front of the bus, increased coverage over a closer but wider area necessitates a different curvature to provide sufficient coverage without sacrificing image size.

PASSENGER SIDE EYE-MAX LP™ CROSS VIEW MIRROR

On the passenger side, the Eye-Max LP™ mirror's unique shape provides superior coverage and image size in all danger zones. As seen at left, the Eye-Max LP™ enhances the image size of the FMVSS-111 test cylinders around the bus.

DRIVER SIDE EYE-MAX LP™ CROSS VIEW MIRROR

On the driver side, the Eye-Max LP™ mirror's asymmetry provides larger images in the front danger zone. Along the left (road) side of the bus, the increased coverage helps the driver see motorists who may be attempting to drive by the bus during a stop.