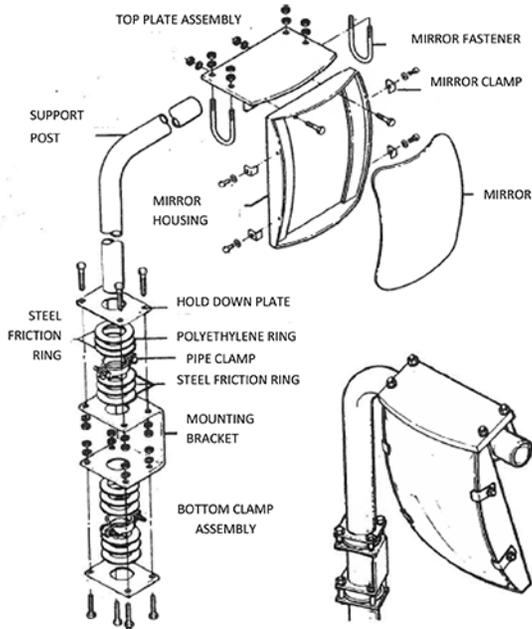


## Exploded View



MIRROR INSTALLATION COMPONENTS

Description	Part No.	Qty	Description	Part No.	Qty
Mirror Assembly, Right Hand	115732-500	1	Support, Mirror Housing	115736-1	1
Mirror 12" x 20" - 30" Convex	115732-9	1			
Housing, Mirror	116098-300	1	Mounting Assembly	116362-500	1set
Bolt 3/8" - 16 x 1 1/4" Long Hex head	115732-20	2	Mounting Bracket	115737-1	1
Lock Washer - 3/8"	115732-21	2	Plate, hold down	115738-1	2
Washer - 3/8"	115732-27	2	Ring, Friction - Steel	115739-1	8
Nut - 3/8" - 16	115732-22	2	Ring, Friction - Polyethylene	115739-2	4
Clamp, mirror	117903-1	4	Clamp, Support Post	115362-5	2
Bolt, 1/4" - 20 x 3/4" Long Hex head	115732-16	4	Washer - 1/4"	116362-7	8
Top Plate Assembly	115734-300	1	Bolt, 1/4" - 20 x 2 3/4" long Hex head	116362-6	8
U-Bolt with nuts	115732-5	2	Lockwasher - 1/4"	116362-9	8
			Nut - 1/4" - 20	116362-8	8

## Company & Product History

In March 1978, MBA Associates in San Ramon, California was awarded a contract by the US Bureau of Mines to develop visibility aids for Large Haulage Vehicles to Improve Mine Safety. James L Eirls who had decades of experience in mining, was hired to develop the products for the contract. It took eight years to develop the products which had to undergo extensive testing in diverse climates before being approved for sale.

The products developed were right-hand, rear-view mirror assemblies with optional mounting hardware, a blind-area viewer and an underground conveyor-belt extender. Sales outlets were developed through companies which had participated in the testing. Soon thereafter, the mirror assembly kits were sold around the globe.

In 1984, James L Eirls, the key development engineer on the original contract, purchased the rights to the mirror. Eirls founded ES&S Company with the single objective of producing and selling mirror assemblies and mounting hardware kits. James passed away in 1990 and the company continues. Mirror sales are handled through two distributors and direct sales to mining equipment manufacturers and mines.

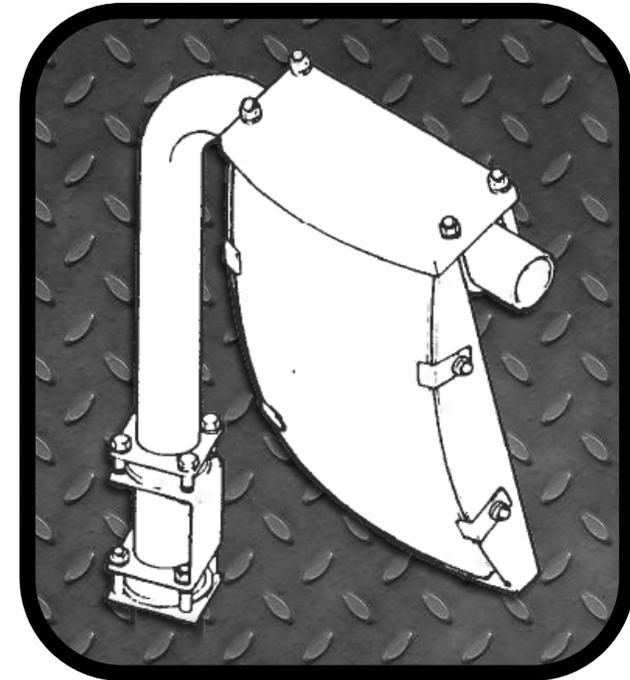


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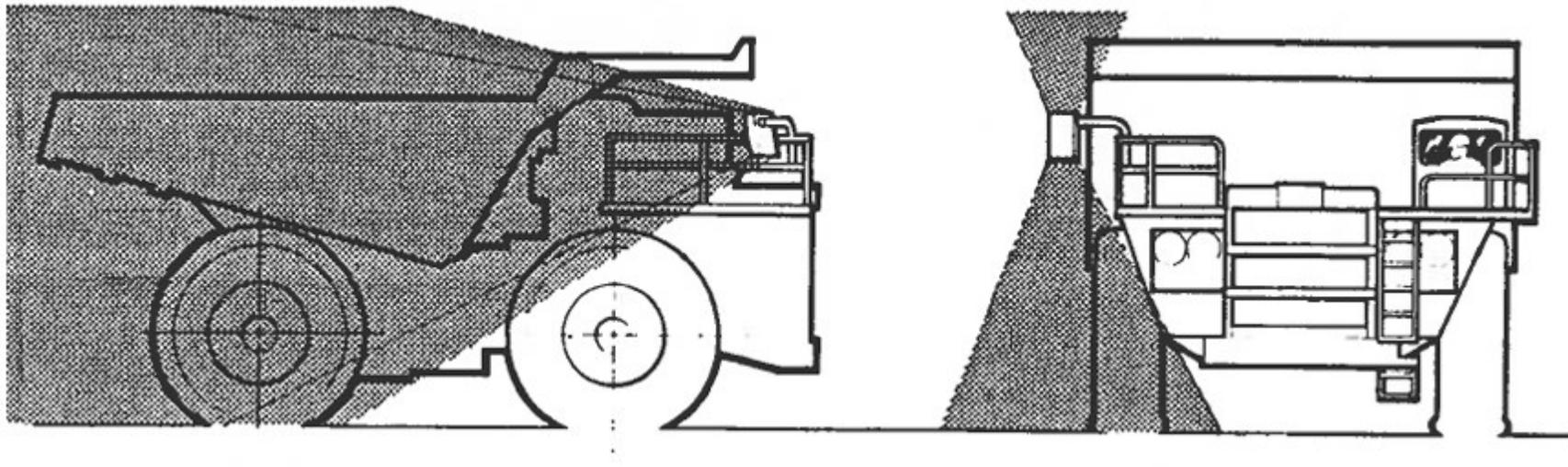
## The ESS Mirror for Large Haulage Trucks

*Equip your trucks with the best!*



## The ESS Right Hand Mirror

# ESS Mirror



The **ESS Mirror** provides a well shaped rectangular field of view of the right rear side of a truck. View scene includes top edge of load bed and rear tire ground contact. The angles of view are approximately 70° vertical and 48° horizontal

The mirror is convex with a spherical radius of 30' and is rectangular – 20" long by 12" wide. Its support and mounting system provides protection from load spills and prevents damage from being scraped by garage door frames or other structures. It has a protective top cover and readily swings aside if pushed by another object.

The driver can use the Right Hand Mirror to check his rear blind area when **BACKING UP** or **MOVING SLOWLY** to see if people, equipment or other obstacles are in a dangerous position for his operation.

## IMPROVE SAFETY & PRODUCTIVITY

*A Well Informed Operator Can Avoid Accidents*

**Equip Your Trucks with the Best Mirror Available!**

Operators of large trucks need a good full view of the right side of their vehicle. This Improved mirror will provide that view without the edge distortion found in round, convex mirrors. Having been heat treated for excellent impact resistance, its thick glass is extremely durable. A special coating protects the silver backing from atmospheric corrosion and the glass mirror is further protected by being neoprene mounted in a protective steel housing. The swing away mounting is additional protection.

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### Decreasing:

- Personnel injuries
- Equipment Damage & Downtime

### Increasing:

- Production
  - Safety & Profits
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