

AMSAFE

commercial products

OPERATION AND MAINTENANCE INSTRUCTIONS:**TO FASTEN SEAT BELT:**

Holding the buckle in one hand, pull the connector across the lap and insert into the slot in the end of the buckle. When buckle and connector are properly engaged a snap will be noted assuring positive locking.

TO RELEASE THE SEAT BELT:

- Lift Latch Buckle** Lift buckle and raise lever with thumb or fingers of either hand. The belt will disengage automatically.
- Push Button Buckle** Lift buckle and push button with thumb or fingers of either hand. The belt will disengage automatically.

TO ADJUST LENGTH OF SEAT BELT:

- Lengthen Belt** Turn the adjusting link at right angles to the webbing and pull away from the link using the lower webbing strap.
- Shorten Belt** Pull the free end of the webbing away from the buckle/connector, as applicable.

IMPORTANT:

- When the seat belt is in use the occupant should take care that the sections of the belt in contact with the body are not twisted.
- Adjust belt snugly, positioned low across the hips. Do not allow belt to ride up high across the abdomen.
- The complete belt should be inspected periodically to insure that the mounting bolts are tight and that the webbing is not cut or frayed due to rubbing on the seat frame.
- Webbing must be fully extended from any wind up device. If you are using a non-locking retractor, pull the webbing completely out and adjust snugly for proper protection.
- **NOT MORE THAN ONE PERSON SHOULD USE THE BELT AT ONE TIME.**
- Do not mix seat belt components. Use each as a complete unit.
- All occupants of the vehicle should wear seat belts.
- All unused seat belts should be fastened to prevent them from lashing out in case of collision.
- If this belt is ever subjected to a crash load, it is recommended that you replace the belt with a new one.

WASHING INSTRUCTIONS:

Hand wash with warm water and mild soap, rinse thoroughly and dry in the shade.
DO NOT BLEACH OR RE-DYE AS SUCH PROCESSING MAY REDUCE ITS STRENGTH.

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UNIVERSAL INSTALLATION INSTRUCTIONS**CAUTION:**

THIS INFORMATION IS PROVIDED AS A GUIDE TO ENSURE THE PROPER SELECTION AND OPERATION OF AM-SAFE, INCORPORATED OCCUPANT RESTRAINT AND WHEEL CHAIR SECUREMENT SYSTEMS. THIS INFORMATION IS NOT ALL INCLUSIVE AND WILL NOT COVER EVERY ASPECT OF RESTRAINT AND WHEEL CHAIR SECUREMENT INSTALLATION. EACH SYSTEM SHALL BE CAREFULLY REVIEWED AND TESTED TO ENSURE THAT THE SPECIFIC APPLICATION IS IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING THE INSTALLATION OF OCCUPANT RESTRAINT AND WHEEL CHAIR SECUREMENT SYSTEMS.

THE INSTALLATION AND OPERATION OF OCCUPANT RESTRAINT SYSTEMS SHALL BE APPROVED BY A QUALIFIED PERSON WHO HAS EXPERTISE IN POSITIONING RESTRAINTS ON OCCUPANTS.

OCCUPANT RESTRAINTS SHALL BE INSTALLED IN ACCORDANCE WITH FMVSS 208, 209 AND 210, AS AMMENDED.

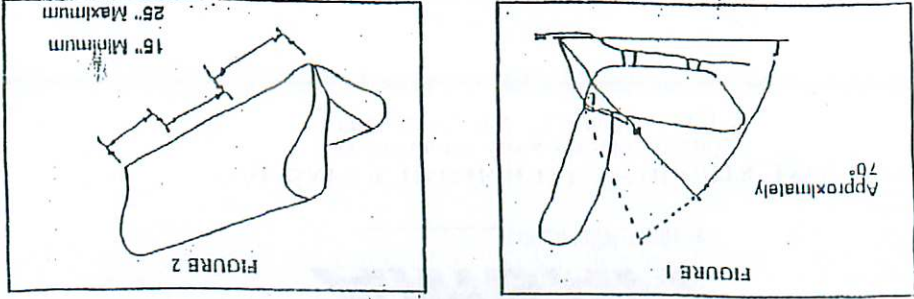
If the vehicle is equipped with seat belt anchorages, these shall be used in lieu of other methods. All American manufactured passenger cars, starting with 1962 models, have seat belt anchorages consisting of 7/16 in. - 20 UNF 2A, 1/2 in. - 13 UNC 2A, or equivalent, threaded holes mounted in a suitable structure to receive the attached hardware for at least two lap belts in the front seat.

Since Jan. 1, 1968, vehicle manufacturers have been required to install lap belt anchorages for each front and rear seating position and upper torso belt anchorages at each forward facing outboard seating position; similar anchorage requirements became effective for trucks beginning Jan. 1, 1972. When these anchorages are used, it is important that all full threads be engaged to obtain the ultimate strength of the anchorages.

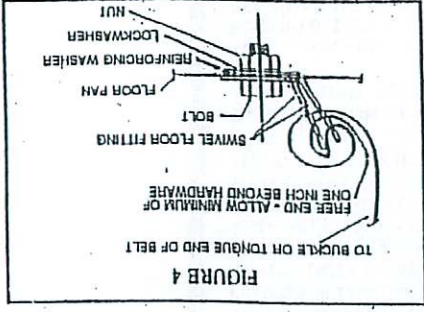
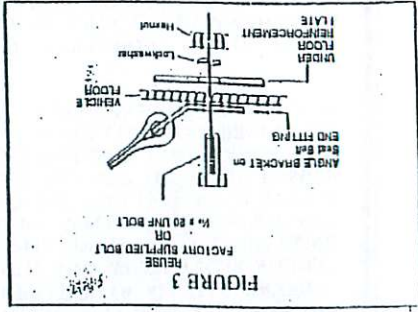
Where special provisions have been made by the vehicle manufacturer for the attachment of belts, these provisions shall be used.

In vehicles, particularly trucks and truck tractors not having threaded hole anchorages, seat belts shall be anchored to adequate structures, such as the body or floor pan. Seat belts shall not be attached to seats, unless the vehicle manufacturer indicates that the seats and seat mounting systems have been specifically designed to withstand seat belt assembly loads.

THE FOLLOWING PROCEDURES SHALL BE FOLLOWED FOR ALL SEAT BELT INSTALLATIONS:



1. If the seat is adjustable, move to the rearmost position.
2. Mark the floor to mount down and behind the seat to assure that the lap belt is pulling downward and rearward at approximately a 70 degree angle. (See figure 1)
3. Space attachment points 15 to 25 inches apart so that the lap belt forms a "U" shaped loop when in use.
4. Never attach both ends of the same lap belt to the same anchorage or attachment point. (See figure 2)
5. Drill holes and avoid damaging exhaust system, brake or fuel lines. Examine and reinforce as required any weakened area of the floor pan or structure to be used for attachment.



5. Install attachment hardware using washers and reinforcing plates. (See figure 3) Always use original vehicle manufacturer's attachment hardware, when available.
6. Install seat belt assembly with the buckle on the inboard side from the door. Pass the belts through or around seat to rear. Avoid rough or sharp edges in choosing the belt path.
7. If the webbing is not permanently attached to the attachment hardware, thread the webbing through the hardware. (See figure 4). Proper threading is extremely important to ensure adequate strength of the installation. Double check to ensure it follows these instructions!
8. Adjust length of lap belt at the floor attachment hardware so that it can later be adjusted at the buckle/connector to fit snugly around the hips of both the smallest and largest passenger expected to wear the belts.
9. If single attachment hooks are used, they shall be secured by a fastening device to ensure against inadvertent release from the eyebolt to which they are attached.

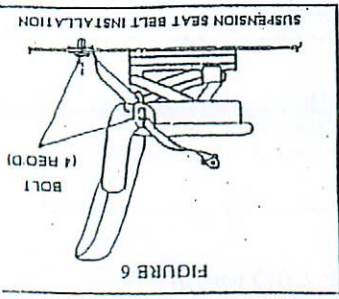
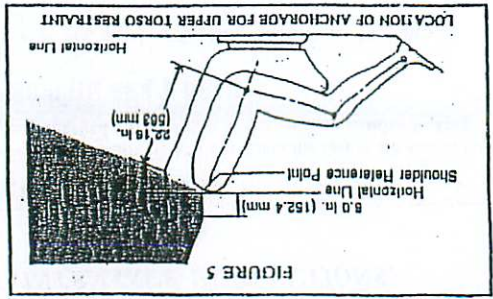
IF BELT INCLUDES UPPER TORSO RESTRAINT (DIAGONAL OR SHOULDER BELT):

1. Locate a suitable attaching point in the roof, wall, or pillar/door post that is above and behind the shoulder point of the seated occupant. (See figure 5)
2. Drill the required holes and install the attachment hardware using washers and reinforcing plates.
3. If the shoulder belt is sewn onto or hooked to the lap belt, the lap belt must be adjusted so that the point of intersection is at least 6 inches from the center of the seated occupant.

CAUTION:
FEDERAL REGULATIONS REQUIRE THAT A TYPE 2A SHOULDER RESTRAINT NEVER BE USED ALONE. IT MUST ALWAYS BE USED IN COMBINATION WITH A LAP BELT.

REAR SEAT SHOULDER BELT ATTACHMENT:

Diagonal harness may be mounted 0 to 40 degrees below the shoulder point behind the occupant to a suit reinforced attachment point. (See figure 5) Always look for and use factory installation points when available.



RETROFIT TRUCKS AND BUSES:

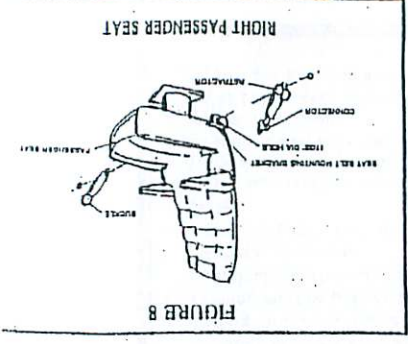
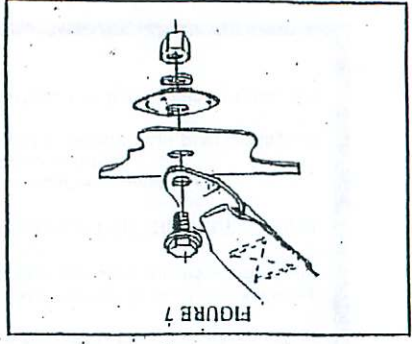
Use the basic principals of installation as presented for trucks and buses. Suspension seats must have seat floor leechers. (see figure 6)

RV INSTALLATION

1. These retracting seat belts are intended for installation to a suitable seat belt mounting bracket certified adequate for that purpose by the seat manufacturer, when such brackets are properly attached to the seat pedestal. The seat bracket must have a 15/32 inch bolt hole for proper seat belt mounting. This bracket is an accessory available from most seal manufacturers:

IMPORTANT:
THIS SEAT BELT IS NOT DESIGNED TO BE MOUNTED TO THE FLOOR IN RV SEAT APPLICATIONS

2. Install the lap belt with the buckle toward the inside of the van using a 7/16 inch bolt, washer, lockw and nut. Assemblies hardware to seal belt mounting bracket. (See figures 7 and 8)



WHEEL CHAIR SECUREMENT AND OCCUPANT RESTRAINT SYSTEM.

1. The installation and operation of occupant restraint systems shall be approved by a qualified person who has experience in positioning restraints on occupants.
2. The wheel chair securement and occupant restraint system, shall be installed with the approval of the manufacturer of the vehicle, or an authorized representative, in regard to the location, load forces expected, and method of installation.