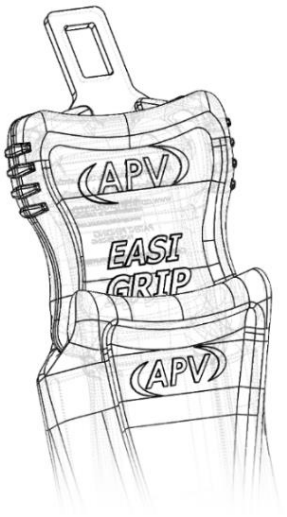
EASI-GRIP Installation Instructions

This restraint system has been designed and manufactured in Australia to "Keep you safe". APV is the major original equipment supplier of seat belts in Australia and strives to present the best products in quality and performance. The EASI-GRIP restraint system offers superior performance and encourages use by:

- "Presenting" the tongue and buckle to the operator in a convenient position.
- Tongue and buckle are ergonomically positioned at or above the hip point.
- Buckle side is designed to swivel and allow ingress / egress.
- EASI-GRIP has an ergonomically designed, comfortable, easy to manage grip thus improving the ease of operation while wearing protective gloves in extreme weather conditions.

EASI-GRIP is certified to SAE J386, ISO6683 and FMVSS302, meeting global safety standards when installed per enclosed instructions.



HOW TO WEAR YOUR SEATBELT CORRECTLY

To "Buckle Up", slide the tongue into the slot of the open end of the buckle. It is correctly engaged when you hear an audible "click". If required, the flexible arms of **EASI-GRIP** can be pushed against the operator's waist after the tongue is buckled in for a more snug fit.
To release the belt, push the button in the centre of the buckle and place the grip back into the cradle of the arm.

THE AUTOMATIC LOCKING RETRACTOR (ALR) SEAT BELT

The Automatic Locking Retractor retracts the webbing to the body after the tongue and buckle are engaged. This type of seat belt automatically locks when the mechanism is activated after a certain amount of webbing is withdrawn from the spool then allowed to retract a small distance. An ALR is unlocked once a certain amount of webbing is retracted back onto the spool.
No modifications or additions should be made by the user which will prevent the seat belt adjustment devices from operating to remove slack.

WARNING!

Ensure the ALR locking mechanism has engaged before operating the vehicle. If the ALR is not locked, activate it by allowing a small amount of webbing to retract back into to spool.

IMPORTANT!

Replace your Seat Belt if:

a. The vehicle should be involved in a serious accident
b. The webbing or fittings become damaged

It is recommended that Industrial Restraints are replaced every 18-24 months.

EASI-GRIP is protected by patent application No. 2020902886 with IP Australia & application No. 17/230304 in the United States

IMPORTANT!

EASI-GRIP is not suitable for every seat type. If **EASI-GRIP** cannot be installed correctly to the seat, it should not be used. Refer to the guide on pg.3 to assess seat suitability.

WARNING!

- Please have the assembly installed by a licensed mechanic.
- Do not make any alterations or additions to the belt.
- No excessive slackness in the belt should be evident.
- Webbing must not be allowed to chafe against sharp edges on seat or bodywork. Any fraying of webbing will reduce the strength and retraction performance of the seat belt and the seat belt assembly should be replaced.
- Do not attach the belt assembly to unsound metal, wood or plastic structures.
- The lap section must be worn across the hips.
- Do not bleach or dye under any circumstances.
- Avoid contamination of the webbing with polishes, oil, and chemicals, particularly battery acid.
- Cleaning may safely be carried out using mild soap and water.
- Do not attach the seat belt assembly to a vehicle seat or seat mounting bolts, unless the vehicle manufacturer has provided seat belt anchorages in the seat or uses the seat anchor bolts for this purpose.
- After installation, please ensure that bolts are securely tightened and there are no apparent loose or ill-fitting parts present. Also check that the webbing in the ALR Lap belt will pay out and retract fully.
- Belts should not be worn with straps twisted.
- Each seat belt assembly must be worn by only one occupant.
- It is essential that the entire assembly be replaced if it has been worn during a severe impact or rollover, even if damage to the assembly is not obvious.
- The belt should be replaced if webbing becomes frayed, contaminated, or damaged.

Fatal accidents can occur within short time frames and at low speeds. There is no doubt that seat belts, correctly worn, can reduce the incidence of fatalities and serious injury. Your seat belt will give you valuable protection, but IT IS YOUR RESPONSIBILITY IN THE INTERESTS OF YOUR OWN SAFETY TO OPERATE YOUR MACHINERY CAREFULLY AT ALL TIMES

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BUCKLE SIDE INSTALLATION

1. Remove and discard the red fibre transport washer (Figure 3).
2. Hand tighten the bolt into the vehicle or seats built in anchorage location.
3. Adjust the swivel bracket to the desired range of motion (refer to Figure 1).
4. Tighten the bolt to 35-40 Nm. The arm should swivel firmly without rattle.
5. Snap fit the supplied black plastic cover into place by first inserting ~5mm into the orange rubber arm, then routing the wiring loom per Figure 4, then pivoting down until the hooks snap into place.

RETRACTOR SIDE INSTALLATION

1. Remove and discard the red fibre transport washer.
2. Hand tighten the bolt into the vehicle or seats built in anchorage location.
3. Adjust the arm to the desired angle (refer to Figure 2).
4. Tighten the bolt to 35-40 Nm, ensuring the ALR remains aligned with the EASI-GRIP Arm.

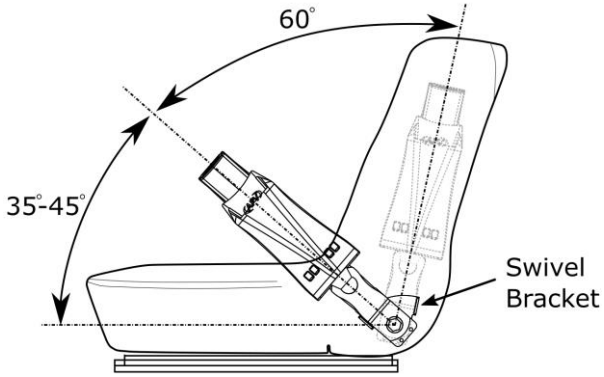


Figure 1: Recommended Installation Angle

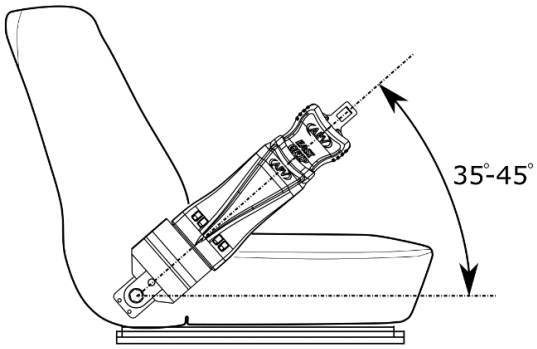


Figure 2: Recommended Installation Angle

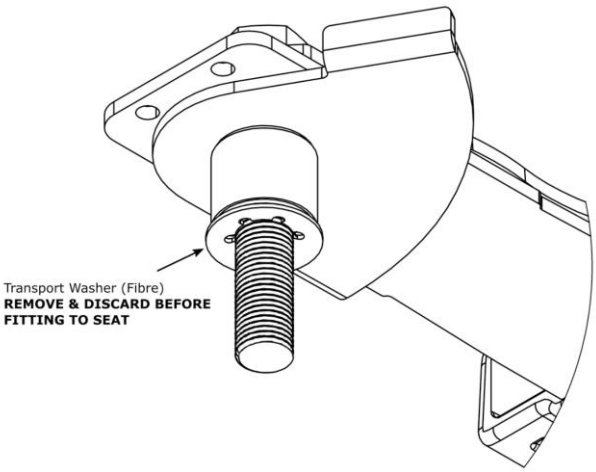


Figure 3: Transport Washer Removal

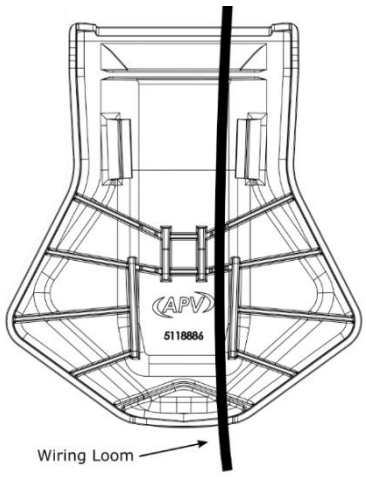


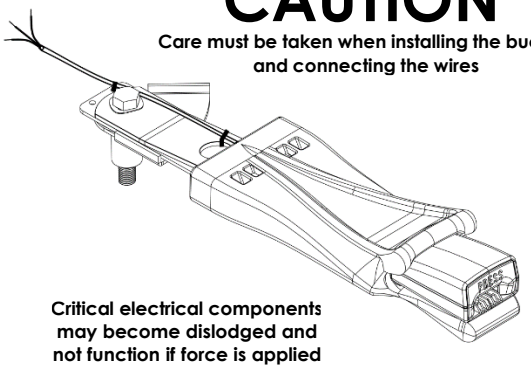
Figure 4: Recommended Wire Route

ELECTRICAL CONECTION

BUCKLE WIRING:	BLUE WIRE	Normally Closed
	BLACK WIRE	Normally Open
	RED WIRE	Common
MAXIMUM POWER:	2A at 12V or 1A at 24V	

CAUTION

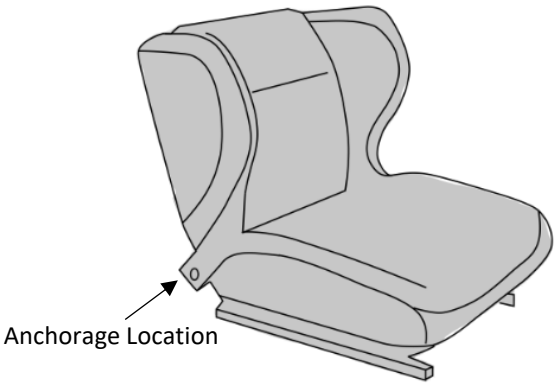
Care must be taken when installing the buckle and connecting the wires

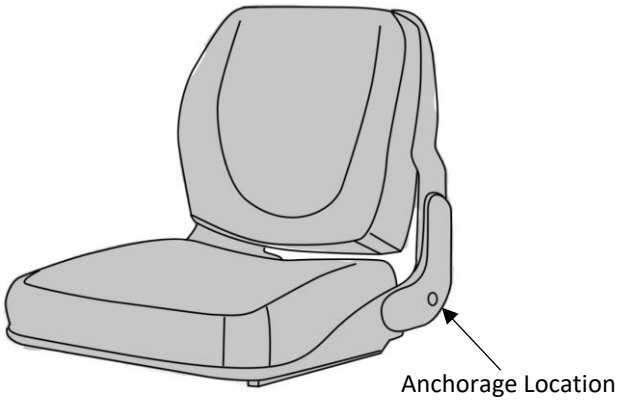


Critical electrical components may become dislodged and not function if force is applied to the wires

Suitable seats will have:

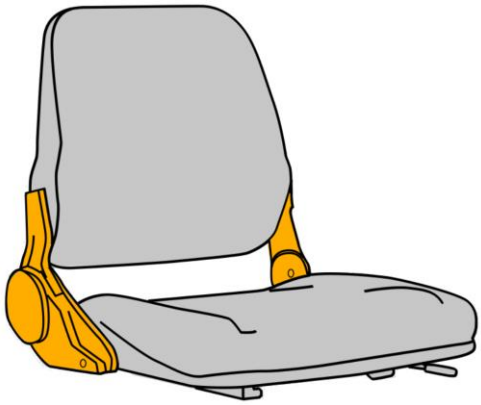
- No handles, armrests, or plastic covers around seatbelt anchorages
- Preferably, seatbelt anchorages at the lower back of the seat frame





Seat features that may not work with EASI-GRIP:

- Plastic covers around the mechanism connecting the seat cushion to the back rest. These may get in the way of EASI-GRIPS swivel mechanism.
- Armrests may obstruct the arms of EASI-GRIP. In some seats, EASI-GRIP can flex around some armrests and provide a great restraint solution. Please assess this on a case-by case basis.



Seat features that are NOT compatible with EASI-GRIP:

- If the backrest adjustment handle is located as depicted below, it will interfere with EASI-GRIP's swivel mechanism and become inaccessible.
- If the seat has handles as depicted below, EASI-GRIP will not fit and should not be used.