

### REQUIREMENTS:

- \* For this installation, you will need a drill to suit cable size (12mm diameter maximum), a felt-tip pen, a sharp Safety knife, and a 13mm spanner or a shifting spanner.

### APPLICATION:

- \* A support plate for mounting a Beacon Light.

### ALTERNATE APPLICATIONS:

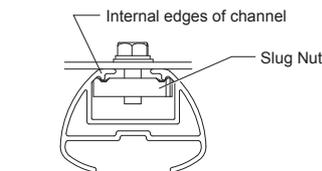
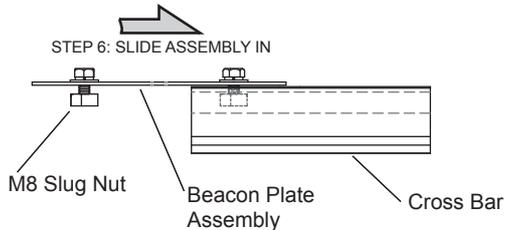
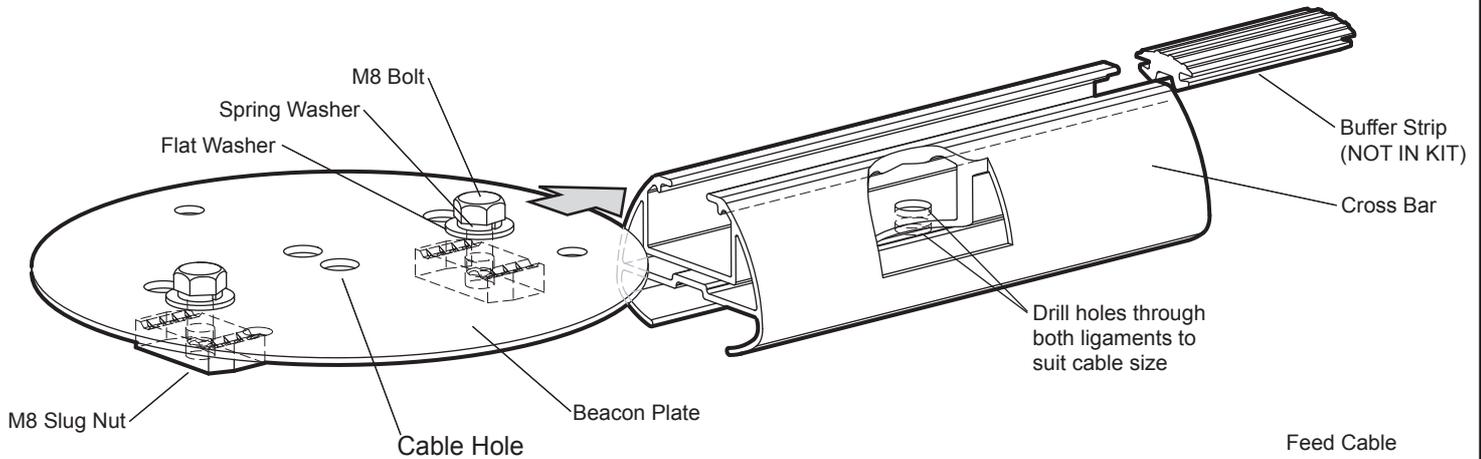
- \* A support plate for mounting Aerials/Antenna, small signs, spot light.

## STEPS: Assembling Beacon Plate Into Heavy-Duty Bar Upper Channel

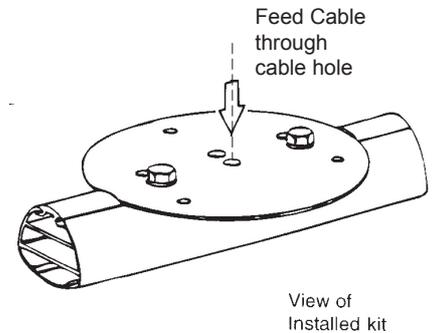
### PROCEDURE - Fitting Kit to Cross Bars:

#### Preparation of Cross Bar

1. Decide upon location of Beacon Plate then remove Cross Bar End Caps per roof rack instructions.
2. Place the Beacon Plate on top of the Cross Bar Buffer Strip and mark the outer edges of the Beacon Plate with a felt-tip pen on both the Buffer Strip and Cross Bar.
3. Remove Buffer Strip and replace the Beacon Plate back on the Cross Bar - re-align between the markings. Using the felt-tip pen make a mark through the centre hole onto the upper cross ligament of the Cross Bar. Using this as a pilot mark, carefully drill down through both ligaments of the Cross Bar for routing of the beacon cable. Drill bit size should be determined by the cable size - slightly over size hole for easy feeding of cable.
4. Using a safety knife, cut the Buffer Strip at the markings and remove piece. This short piece shall be discarded. (Do not remove too much material as the strip is compressible and will shrink in cooler weather; and therefore leave a gap).



**Figure A**  
notched grooves in Slug Nut must run parallel with internal edges of channel



#### Beacon Plate Pre-Assembly

5. Fit M8 Hex Bolt through a spring washer and flat washer. Place Bolt through hole in Beacon Plate and thread into Slug Nut - repeat for second Bolt. Only thread Bolt a few threads into Slug Nut; enough to engage.
  6. Slide the Beacon Plate into the Upper Channel of the Cross Bar as shown above. **IMPORTANT:** Make sure both Slug Nuts retain their cross-ways alignment within the channel - i.e. notched grooves in Slug Nut must run parallel with internal edges of channel (see Fig A above).
  7. Align the centre cable hole in Beacon Plate with the drilled cable holes in the Cross Bar.
  8. Tighten **both bolts** securely with a **13mm Spanner**.
  9. Re-install Buffer Strip to appropriate positions (wet the end of the strip to assist with sliding). Refit the End Caps to Cross Bar
- \* Regularly check the tightness of the Bolts and the security of the load. Inspect cabling as well for wear and proper connection.

### GENERAL USAGE INSTRUCTIONS:

- \* Roof load should not exceed maximum load stated in vehicle manufacturers handbook.
- \* Refer to roof rack instruction sheet for maximum permissible load on roof rack
- \* Any weight carried on the roof of the vehicle will adversely affect its handling, particularly in cornering or in a cross wind and therefore the vehicle should be driven with increased discretion.
- \* Regularly check the tightness of the securing clamps and the security of the load.

- \* Loads should be evenly distributed and secured.
- \* Be aware of the statutory requirements regarding maximum permissible projections from vehicles.
- \* Long loads such as ladders should always be additionally secured by tying down to the front and rear bumpers or other suitable anchorage points of the vehicle.
- \* Arrange of accessories for carrying all types of special loads is available, otherwise only use non-stretch tie-down straps. Call or visit our showroom for information.