

Available Accessories

Break-Away System

applies towed vehicles
brake's if it ever break's away
from motorhome

RS-5000



Vacuum Pump

This is to assist the Ready Brake so the towed
vehicle will have the brake booster powered up
when being towed.



5 Styles of drops

2" drop # H-702

4" drop # H-704

6" drop #H-706

8" drop # H-708

10" drop #H-710

extension # H-1800



In Dash Light Monitor

Lets you know when the towed's brake pedal
moves by led light mounted in dash board on
motorhome # DL-300



Brake Circuit Disconnect

Eliminate Double feed to towed vehicle's brake
lights #BCD-110



Ready Brute Tow Bar Installation Instructions



N. S. A. RV Products Inc.
Iola, KS 66749
800-933-3372

Lifetime Guarantee

NSA, Inc. warrants to the original owner of this product a Lifetime Guarantee to be free from defects in material and workmanship for as long as the original owner owns this product.

IN NO EVENT WILL NSA, INC., BE LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGE, RESULTING DIRECTLY FROM MISUSE BY THE CONSUMER.

IMPORTANT: Coverage & performance under the foregoing lifetime guarantee is conditioned upon the first retail purchaser.

RETURNS

Anyone wishing to return merchandise must obtain authorization to do so. The date of purchase must be given and the merchandise must be returned with freight being prepaid.

- 1) Warranty period begins on date of purchase.
- 2) Please call to obtain return authorization.
- 3) When the item is received, our engineering department will inspect & advise customer service of their findings. At that time, a customer service representative will contact you with a written or verbal report.
- 4) This warranty does not cover damage resulting from tamper, abuse, unreasonable use, mistreatment, negligence or accidental breakage.
- 5) Shipping charges are to be prepaid.

NSA RV Products Inc., 129 N. Kentucky,
Iola KS. 66749 800-933-3372



IMPORTANT: ON LEVEL GROUND, DO NOT TOW IF TOW BAR IS OVER 2 INCHES OFF LEVEL IN EITHER DIRECTION. IF THE TOW BAR IS MORE THAN 2 INCHES OFF LEVEL WE SUGGEST USING A DROP / OR RISER TO BRING IT TO LEVEL.



Getting Started

To ensure that you get optimum results from your Ready Brute please read through the instructions. The Ready Brute provides the towing and braking assistance you need for your towed vehicle, but only when it is used according to the manufacturer's instructions. **NOTE the following:**

Baseplates need to be installed on your towed vehicle prior to installing the Ready Brute.

N.S.A. Ready Brute Tow bars are rated for 8,000 lb. towing capacity. Be sure that the towed vehicle mounting brackets, safety chains and hitch are also rated for more than the weight of vehicle to be towed. (Tow car baseplates are not included.)

FOLLOW THE TOWING INSTRUCTIONS PROVIDED IN THE MANUAL OF YOUR TOWED VEHICLE! YOUR TOWING SYSTEM IS ONLY AS STRONG AS THE WEAKEST LINK!

1. Ready Brute tow bars are designed to tow manual transmission cars or automatics equipped with a lubrication system, transmission pump, drive shaft disconnect or half-shaft disconnect.
2. The transmission must be in neutral when towing.
3. Unlock the steering wheel to allow the front wheels of the towed vehicle to "track".
4. Be sure the front end of the towed vehicle is properly aligned.
5. The use of safety cables or chains is **REQUIRED BY LAW**.
6. Check clearance between vehicles in a turning situation. Avoid sharp turns and rough terrain.
7. Most states require rear lighting on the towed vehicle.
8. Prior to a towing trip, check to be sure all the towing accessories and attachment points are secure.
9. Always check for loose bolts or damaged parts before you begin towing.
10. **DO NOT BACK UP** when towing. It may cause damage to the tow bar assembly, RV's chassis or towed vehicle's chassis.
11. Periodically check installation of all towing devices.
12. Do not use the towed vehicle for storage (you may exceed the towing capacity of the tow bar.)

UNHOOKING & FOLDING

Installing Ready Brute Tow bar

1. Place the head of the tow bar portion into the receiver on the RV and secure it with a standard 5/8" cross pin.
2. **Hooking to the Baseplate of the tow vehicle**
 - A. Take the clevis **Fig A** and pull it out and hook it directly up to the baseplate of the towed vehicle then place the bent pin and hairpin cotter into the clevis.
 - B. Remember your towed vehicle does not have to be perfectly in line with the RV.
 - C. Repeat this procedure on the other tow bar leg.
 - D. When you pull away in your RV the tow bar inside arms will fully extend and lock into there locked position.



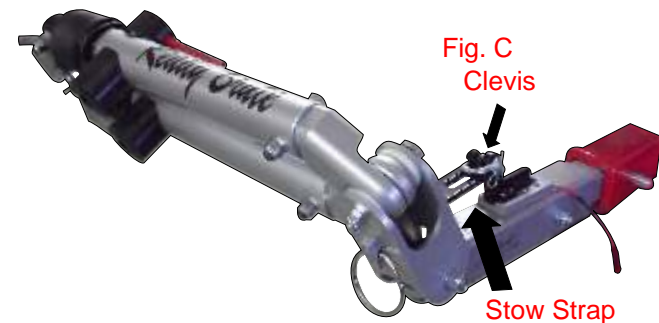
SAFETY CABLE INSTALLATION:

SAFETY CABLES MUST CONNECT THE TOWING VEHICLE TO THE TOWED VEHICLE FRAME TO FRAME. DO NOT USE DAMAGED CABLES!

1. Using the cable hooks, attach the cables to a solid part of the chassis of the towed vehicle.
2. Wrap each cable once around their respective towbar leg and run the cable through the D ring under the swivel part on the towbar.
3. Using the cable hooks, attach the opposite ends of the cables to a solid part of the RV's chassis.
4. When attaching the safety cables it is important to allow enough slack for tow bar & towed vehicle's turning radius. It is equally important that the safety cables not be allowed to drag or touch the ground. If this happens, the cables may become damaged and ineffective.
5. Be sure each cable used has the proper length and load rating for the tow bar being used.

1. Park the RV with vehicle in tow, in a straight line on a flat, level surface to ensure minimum pressure is extended on the tow bar arms. This will aid in the removal of the 1/2" bent pins. Engage the towing vehicle's parking brake. Place the towed vehicle either in park for automatic transmission or securely in first gear for manual transmission. Unhook safety cables and lighting.
2. Tow bar --Rotate the twist cams handles 90° to relieve any pressure on the tow bar. Next remove the bent pins from the baseplate on the towed vehicle. Now rotate handles back straight with legs & collapse them. Repeat this procedure for the other tow bar leg. **Always rotate handle so it's in line with tow bar arm when snapping pin into holes. If not, damage may result causing harmful effects to tow bar arms.**
3. Keep the tow bar covered when not in use. This will cut down on the dirt build up on the inside arms & pins of the tow bar. NSA - Ready Brute tow bar cover is recommended.

To stow tow bar tilt tow bar up and hook the clevis around the stow strap then tilt arms to either side for storage. (See fig. C)



(Note) If RV is to be driven with tow bar in stow position NSA recommends wrapping legs with bungee strap, and hooking leg ends to RV bumper to hold Ready Brute in place over rough roads.

(Note) If you should ever want one our Ready Brake supplemental braking system's all you would have to change on this tow bar is the two inch square receiver part (Fig 2). Call for price and explanation if needed.