

CAMBURG

Off-Road Engineering

I N S T R U C T I O N S

[02/05]

1998-2012 Ford Ranger 2wd transmission x-members

(does not fit Edge, torsion bar or 4wd models)

Parts Supplied:

- (1) 4-bolt (1998-1999) or 3-bolt (2000-2012) x-member
- (2) 1/2" x 1-1/2" grade 8 bolts
- (4) 1/2" flat washers
- (2) 1/2" stover lock nuts

*** Important: Read and understand all instructional steps prior to installing. ***

- 1] Park the vehicle on a level surface where it is safe to work on. Place blocks in front and behind the rear tires to keep the vehicle from moving. Leave the transmission in park (auto), 1st (stick) with the parking brake set.
- 2] Place a jack under the transmission and raise slightly to take the load off the factory Ford transmission cross-member. Be careful not to apply too much pressure as it could damage the transmission. The jack is only used to support the transmission, not change its position.
- 3] Remove the 2 nuts that secure the transmission bushing to the factory cross-member. Keep these as they will be re-used.
- 4a] On 1998-1999 models, you will need to remove the four (4) bolts that secure the factory cross-member to the side of the frame and remove. Keep these bolts as they will be re-used.
- 4b] On 2000-2012 models, you will need to remove the three (3) bolts that secure the factory cross-member to the side of the frame and remove. Keep these bolts as they will be re-used.
- 5] Install the appropriate Camburg x-member in the same location on the frame with the strut supports rearward of the transmission mount and flat to the frame. Re-use the factory OEM bolts and tighten.
- 6] With the strut supports flush to the frame, mark the hole locations, remove the x-member and use a 1/2" drill to drill the two holes in the frame. Make sure to check the frame rails prior to drilling for obstructions that could be in the way (ie. brake/fuel/electrical lines).
- 7] Re-install the Camburg x-member using the factory OEM bolts and torque to Ford's specifications. Using a 3/4" socket and wrench, install the 1/2" hardware to secure the strut supports to the frame and tighten to 60-80 ft. lbs.
- 8] Periodically inspect all mounting hardware, especially after off-road use.

