



**Vehicle Attachment – MCI Motorcoach Steering Component Diagram**

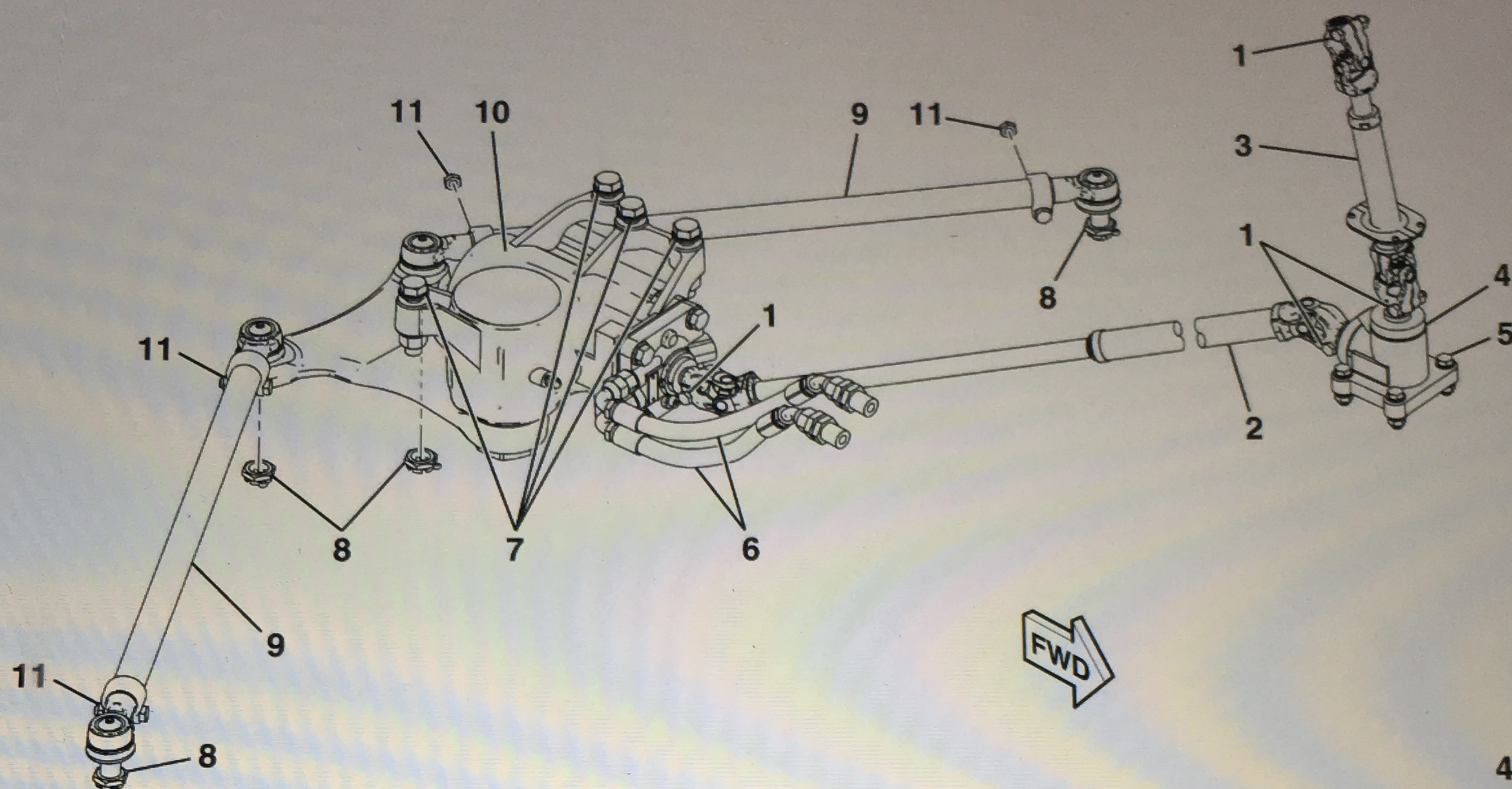
**Flushing, NY**

**HWY17MH015**

(2 pages)



**TORQUE CHART**



**Figure 2. Front Steering Components**

Item	Description
1	Nut - Torque to 30–35 ft-lb (48–52 Nm)
2	Steering Shaft, Long
3	Steering Shaft, Short
4	Miter Box
5	Nut - Torque to 66–81 ft-lb (90–110 Nm)
6	Hoses, Steering Gear - Torque Hose Ends to 60–65 ft-lb (81–88 Nm)
7	Hex Nut - Torque to 325–397 ft-lb (441–538 Nm)
8	Nut, Castle - Torque to 184–206 ft-lb (250–279 Nm). NOTE: After torquing, tighten nut to align cotter hole with slot in castle nut, insert cotter pin and deform.
9	Tie Rod (For initial installation, tie rod length between ball joints to be 34.19 +/- 0.13 in. (868 +/- 3mm) final adjustment of tie rods to be done during wheel alignment).
10	Steering Gear Assembly
11	Tie Rod Clamp - Torque to 52–66 ft-lb (71–90 Nm)

NOTE (Steering Gear): Do not rotate gear prior to final limit settings with gear installed on vehicle. Keep mark on input shaft aligned with mark on gear housing. Limit setting is done after gear and tie rods are fully installed and connected to wheel ends. With mechanical lock stops set on axle, rotate steering gear in each direction at a rate of no more than 3 turns/second on the steering wheel, up to mechanical lock stops on axle. Torque steering limiter screw to 7–11 ft-lb (10–15 Nm) after limit setting is complete.

Apply Seal-Torque to all torqued hardware.