



2015-Current GM 2500HD Long Box 3O Mount Instructions

Step 1 – Lay out Ebling parts and hardware to familiarize yourself with contents.

Step 2 – Remove wire loom clips from factory hitch or any wire looms that may interfere with removal of factory hitch.

Step 3 – Remove 4 factory bolts from front of existing hitch, 2 on each side (these will not be reused). Support hitch and remove 4 bolts from outside of frame rail, 2 each side (these will be reused), and 2 remaining bolts from rear of hitch, 1 on each side (these will be reused). Slowly lower hitch and set aside. Re-attach 4 bolts on outside of frame, 2 each side.

Step 4 – Remove bolt clips from inside frame rails from front hitch bolts (these will not be reused).

Step 5 – Raise Ebling mount into position against frame, re-use factory bolts from rear of hitch, 1 each side, finger tighten only.

Step 6 – Put $\frac{1}{2}$ " x $1\frac{3}{4}$ " bolts and flat washers in forward holes through frame and mount, 2 each side. Finish with flat washers, lock washers and nuts.

Step 7 – Make sure mount is centered on frame and tighten all 6 bolts to torque specifications shown on chart.

Step 8 – Now you will need to drill 1 hole on each side next to the forward most holes. Once holes are drilled put $\frac{1}{2}$ " x $1\frac{3}{4}$ " bolts and flat washers in holes through frame and mount. Finish with flat washers, lock washers and nuts. Torque specifications shown on chart.

Step 9 – At this point draw a line 1" up from bottom edge of side support plate and hold side plate to inside of frame and mount. See dwg. Put the line drawn in



the center of the holes in mount and mark holes on side plate. Keeping them equal distance from sides of plate.

Step 10 – Drill 2- 9/16” holes as marked on plate, place plate on inside of mount, Put ½” x 1 ½’ bolts from outside in through mount and side plate, finish with ½” lock washers and nuts. Check alignment and tighten. Now using the side plate as a guide, drill 2- 9/16” holes in frame.

Step 11 – Attach side plate to frame by using ½” x 1 ¾” bolts through plate with ½” lock washers and nuts on inside of frame.

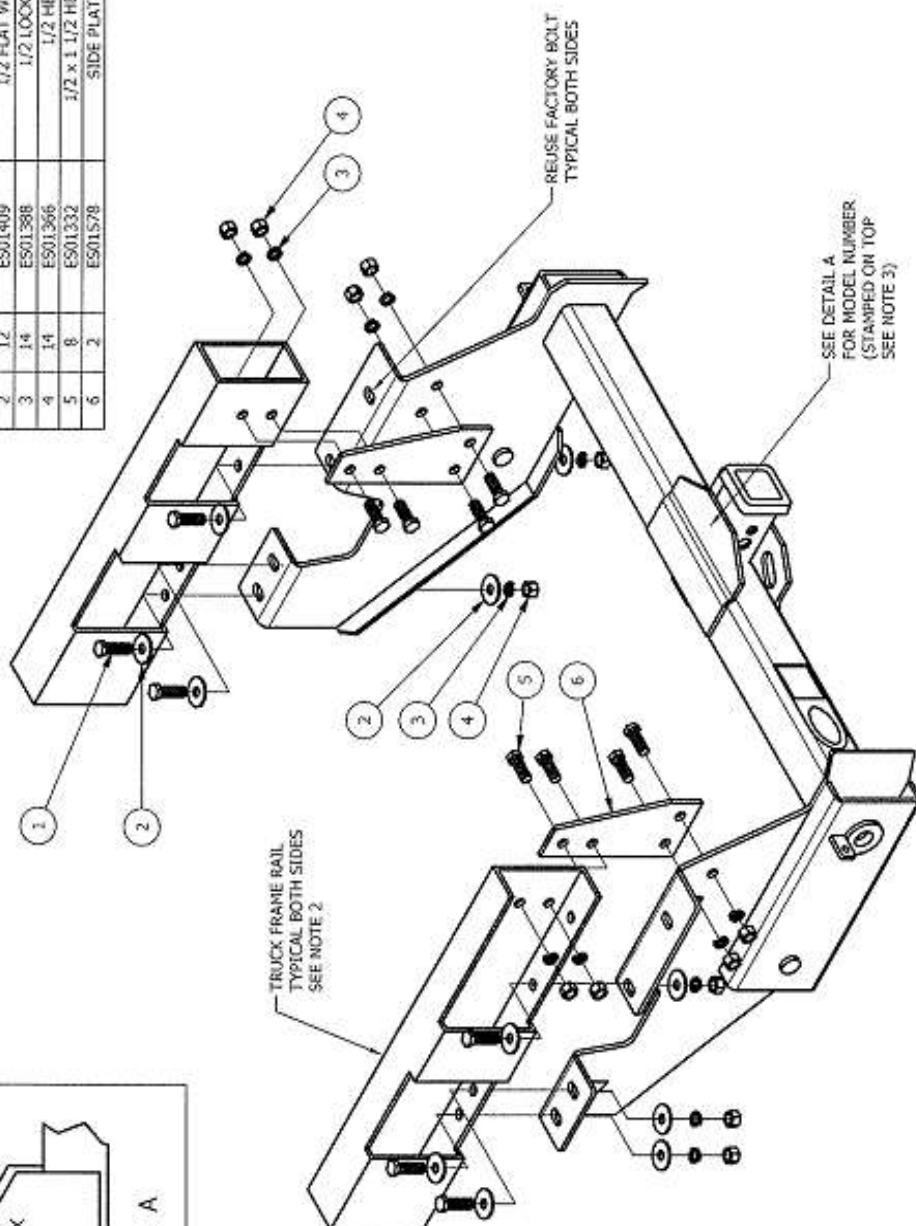
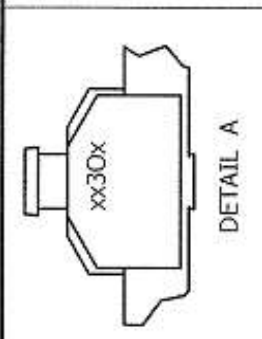
Step 12 – Torque all bolts as specified on chart.

* All parts and hardware included for the 30 mount must be used in the installation. Any missing or non-OEM parts or hardware will void warranty.

Installation of mount is complete.



BILL OF MATERIALS		
DET	QTY	DESCRIPTION
1	6	E501333 1/2 x 1 3/4 HEX HEAD BOLT
2	12	E501409 1/2 FLAT WASHER CR 8
3	14	E501388 1/2 LOCK WASHER
4	14	E501366 1/2 HEX NUT
5	8	E501332 1/2 x 1 1/2 HEX HEAD BOLT
6	2	E501578 SIDE PLATE BRACKET



Ebling & Son, Inc. 1400 W. 11th St. Mankato, MN 56001 TEL: 507-435-1111 FAX: 507-435-1112		DRAWING NO. E501333 REV. 01 DATE 01/10/17	
PROJECT NO. 17-001		PROJECT OFF. A	
DRAWN BY: J. H. HARRIS		CHECKED BY: J. H. HARRIS	
APPROVED BY: J. H. HARRIS		DATE: 01/10/17	
REVISIONS		BY	DATE
1. REVISIONS			




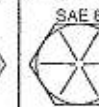
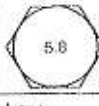
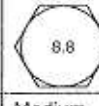
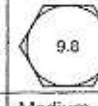
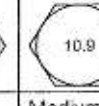
NOTES

1. USE FACTORY FASTENERS FROM REMOVAL OF TRAILER HITCH, AND FASTENERS PROVIDED BY EBLING & SON ONLY.
2. ACTUAL FRAME MAY DIFFER - USED AS REFERENCE ONLY, CUT CUTS IN FRAME ARE TO SHOW DETAILS ONLY.
3. OLDER STYLE MOUNTS MAY HAVE MODEL NUMBER STAMPED IN BOTTOM.



TORQUE SPECIFICATIONS

BEFORE DRIVING YOUR VEHICLE, YOU SHOULD CHECK THE TORQUE ON ALL NUTS AND BOLTS IN THE KIT, INCLUDING ANY SLIDER BOLTS ON THE CALIPERS. RE-TORQUE CALIPER BOLTS AFTER 500 MILES. ALL SPECIFICATIONS ARE IN FT-LBS.

BOLT GRADES				
U.S.	SAE 2 	SAE 5 	SAE 7 	SAE 8 
Metric	5.8 	8.8 	9.8 	10.9 
Steel Type	Low Carbon (soft)	Medium Carbon Heat Treat	Medium Carbon Alloy	Medium Carbon Alloy

SAE	Bolt Grade	2	2	5	5	7	7	8	8	Socket Head Cap Screw	Socket Head Cap Screw
Bolt Dia.	Thread per inch	Dry	Oiled	Dry	Oiled	Dry	Oiled	Dry	Oiled	Dry	Oiled
1/4"	20	4	3	8	6	10	8	12	9	14	11
1/4"	28	6	4	10	7	12	9	14	10	16	13
5/16"	18	9	7	17	13	21	16	25	18	29	23
5/16"	24	12	9	19	14	24	18	29	20	33	26
3/8"	16	16	12	30	23	40	30	45	35	49	39
3/8"	24	22	16	35	25	45	35	50	40	54	44
7/16"	14	24	17	50	35	60	45	70	55	76	61
7/16"	20	34	26	55	40	70	50	80	60	85	68
1/2"	13	36	31	75	55	85	70	110	80	113	90
1/2"	20	52	42	90	65	100	80	120	90	126	100
9/16"	12	52	42	110	80	135	100	150	110	163	130
9/16"	18	71	57	120	90	150	110	170	130	181	144
5/8"	11	98	78	150	110	140	140	220	170	230	184
5/8"	18	115	93	180	130	210	160	240	180	255	204
3/4"	10	157	121	260	200	320	240	380	280	400	320
3/4"	16	160	133	300	220	380	280	420	320	440	350
7/8"	9	210	160	430	320	520	400	600	460	640	510
7/8"	14	230	177	470	360	580	440	660	500	700	560
1"	8	320	240	640	480	800	600	900	680	980	780
1"	12	350	265	710	530	860	666	900	740	1060	845

METRIC	5.8	8.8	9.8	10.9
Bolt Dia.	Oiled	Oiled	Oiled	Oiled
5mm	3.5	5	6	8
6mm	6	9	10.5	12
8mm	15	22	25	32
10mm	29	44	51	62
12mm	51	76	89	111