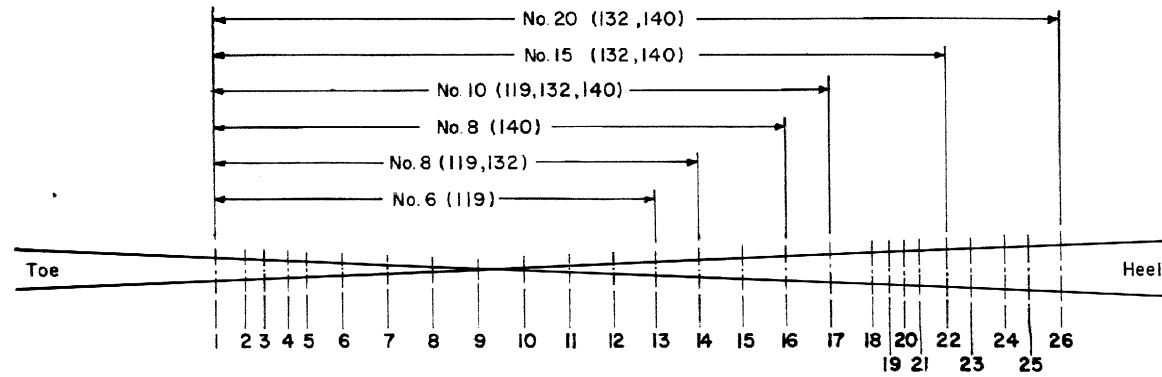


Revisions  
 "B" - Oct., 1982  
 C - Sept., 1985  
 D - May, 1986  
 E - Sept., 1986

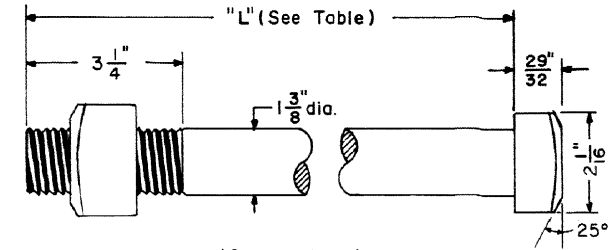


**BOLT LOCATIONS**

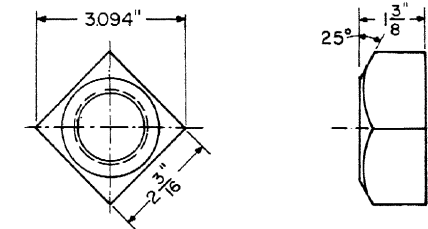
**ACCOUNT AND REFERENCE NUMBERS**

BOLT LENGTH	● 1 3/8" DIA.	● 1 1/4" DIA.
9"	01-189206	01-175205
10"	01-189909	01-175908
11"	01-190600	01-176609
12"	01-191301	01-177300
13"	01-192002	01-178001
14"	01-192705	01-178704
15"	01-193406	01-179405
16"	01-194107	01-180106
17"	01-194800	01-180809
18"	01-195500	01-181500
19"	01-196201	01-182201
20"	01-196904	01-182904

**BOLT LENGTHS**



(Square Head)  
**FROG BOLT**



**SQUARE NUT**

FROG NO.	RAIL SECT.	PLAN NO.	BOLTS NUMBERED IN ORDER FROM TOE TO HEEL OF FROG																										
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
			LENGTH "L" UNDER HEAD (INCHES)																										
6	119	74150-()	12	10	10	12	15	15	14	15	16	18	19	20	12														
8	119	74152-()	11	11	10	13	15	16	15	15	16	17	18	19	20	12													
	132	74160-()	12	11	11	13	15	16	15	15	16	17	18	19	20	11													
10	140	74140-()	11	11	11	12	14	15	15	16	17	18	19	20	20	11	13	14											
	119	74154-()	11	11	11	12	14	16	15	14	15	16	17	18	19	19	11	11	12										
	132	74161-()	11	11	11	12	14	16	15	15	16	17	18	19	19	11	12	12											
15	140	74141-()	11	11	11	12	14	15	15	16	17	18	19	20	20	11	13	13											
	119	74156-()	11	11	11	10	10	11	13	16	17	18	16	15	16	17	18	18	19	19	19	10	11	11					
	132	74160-()	11	11	11	10	10	12	13	16	17	18	16	15	16	17	18	18	19	19	19	10	11	13					
20	140	74156-()	12	11	10	11	12	14	16	17	18	16	15	16	17	18	18	19	19	19	20	11	11	13					
	132	74163-()	11	11	10	10	10	13	15	16	16	17	18	16	15	16	17	18	18	19	19	19	10	10	11	11	12		
20	140	74158-()	11	11	10	10	10	13	15	16	16	17	18	16	15	15	15	17	18	18	19	19	10	10	11	11	12		

**NOTES**

- All bolts shall be dipped in NO-OX-ID "GG" grease manufactured by Dearborn Chemical Co.
- Bolts and nuts shall conform to current Conrail MW 184 Specs. and details on this plan. All threads to be cut threads
- All nuts to be free fit and Medium Carbon Steel. Spring washers shall conform to current Conrail MW 186 Specs.
- Bolts for frogs heavier than 110-lb rail shall be 1 3/8" dia. Bolts for frogs 110-lb and lighter shall be 1 1/4" dia.


**CONRAIL 71501-E**


STANDARD

**REPLACEMENT BOLTS**

**FOR RBM FROGS**

OCTOBER, 1979

  
 Chief Engineer - Maintenance of Way

  
 Chief Engineering Officer