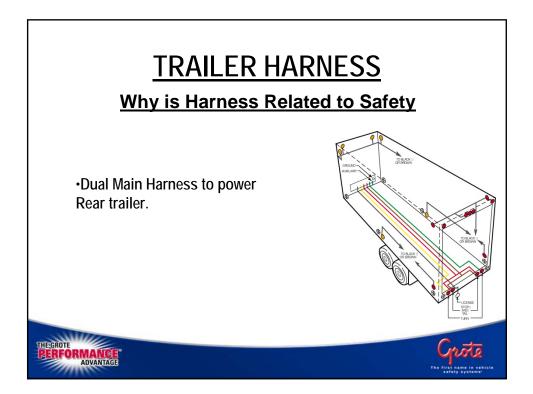
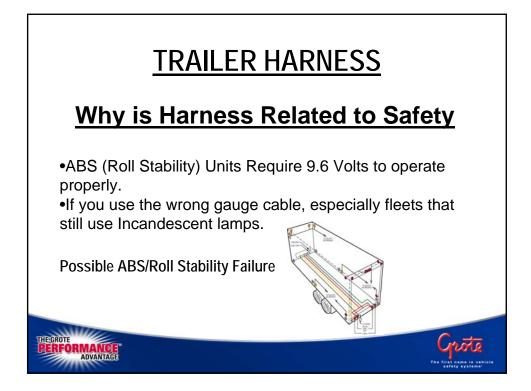




Total Circuit Amps	DETERMINING WIRE AND CABLE GAUGE SIZE BY CIRCUIT AMPS AND LENGTH Wire Gauge for Length in Feet (Total circuit length)											
12V	3'	5	T	10'	15'	20'	25'	30'	40'	50'	75'	100
1	18	18	18	18	18	18	18	18	18	18	18	18
3	18	18	18	18	18	18	18	18	18	18	14	14
5	18	18	18	18	18	18	18	18	16	14	12	12
7	18	18	18	18	18	18	16	16	14	14	10	10
10	18	18	18	18	16	16	16	14	12	12	10	10
15	18	18	18	18	14	14	12	12	12	10	8	8
20	16	16	16	16	14	12	10	10	10	10	8	6
24	14	14	14	14	12	12	10	10	10	8	6	6
30	12	12	12	12	10	10	10	10	10	6	4	4
40	10	10	10	10	10	10	8	8	6	6	4	2
50	8	8	8	8	8	8	8	8	6	6	2	2
100	4	4	4	4	4	4	4	4	4	2	1	1/0
150	2	2	2	2	2	2	2	2	2	1	2/0	2/0
200	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	4/0	4/0











LED VS. INCANDESCENT





