



# PREVOST

## MAINTENANCE INFORMATION

Mi98-25



DATE : June 1998	SECTION : 16
SUBJECT : ALIGNMENT PROCEDURE USING HUNTER SYSTEM	

### APPLICATION

Model	VIN	
XL Series Vehicles Model Year : ALL		ALL
H3 Series Vehicles Model Year : ALL		ALL

### DESCRIPTION

This maintenance information provides alignment specifications using the Hunter system for the front, drive and tag axles on Prévost vehicles.

### PROCEDURE

**Warning :** Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

#### FRONT AXLE ALIGNMENT

- Install wheel mount sensors on front and drive axles (fig. 1).
- Note :** See reference numbers on wheel mount sensors (fig. 1).
- Adjust front axle according to appropriate specifications chart below.
- Note :** Select axle specifications in the appropriate chart.

<b>FRONT BEAM AXLE H3-40</b>			
Alignment / value	Minimum value	Nominal value	Maximum value
Right camber (deg.)	-0.625	-0.1875	0.25
Left camber (deg.)	-0.625	-0.1875	0.25
Right caster (deg.)	2	2.75	3.5
Left caster (deg.)	2	2.75	3.5
Total toe (inches)	1/16	3/32	1/8

<b>FRONT BEAM AXLE H3-41, H3-45 AND V.I.P</b>			
Alignment / value	Minimum value	Nominal value	Maximum value
Right camber (deg.)	-0.5	0	0.5
Left camber (deg.)	-0.5	0	0.5
Right caster (deg.)	2	2.75	3.5
Left caster (deg.)	2	2.75	3.5
Total toe (inches)	1/16	3/32	1/8

<b>FRONT BEAM AXLE XL-40 AND XL-45 COACHES</b>			
Alignment / value	Minimum value	Nominal value	Maximum value
Right camber (deg.)	-0.5625	-0.125	0.3125
Left camber (deg.)	-0.5625	-0.125	0.3125
Right caster (deg.)	2	2.75	3.5
Left caster (deg.)	2	2.75	3.5
Total toe (inches)	1/16	3/32	1/8

FRONT BEAM AXLE MTH 40, MTH 45 AND MTH45 ENTERTAINER			
Alignment / value	Minimum value	Nominal value	Maximum value
Right camber (deg.)	-0.4375	0	0.4375
Left camber (deg.)	-0.4375	0	0.4375
Right caster (deg.)	2	2.75	3.5
Left caster (deg.)	2	2.75	3.5
Total toe (inches)	1/16	3/32	1/8

FRONT AXLE INDEPENDANT FRONT SUSPENSION EQUIPPED VEHICLES			
Alignment / value	Minimum value	Nominal value	Maximum value
Right camber (deg.)	-0.125	0.125	0.375
Left camber (deg.)	-0.125	0.125	0.375
Right caster (deg.)	1.5	2	2.5
Left caster (deg.)	1.5	2	2.5
Total toe (inches)	1/16	3/32	1/8

#### DRIVE AXLE ALIGNMENT

- With the system installed as for front axle alignment (fig.1), adjust drive axle according to specifications' chart below.

DRIVE AXLE ALL VEHICLES			
Alignment / value	Minimum value	Nominal value	Maximum value
Thrust angle (deg.)	-0.11	0	0.11

#### TAG AXLE ALIGNMENT

- Remove and reinstall all wheel mount sensors on the drive and tag axles (fig. 2);

**Note :** For an accurate alignment, the tag axle must be aligned with the drive axle.

**Note :** Reinstall wheel mount sensors as shown in figure 2. For example, the sensor from the right side of the front axle is mounted on the left side of the tag axle. For corresponding wheel mount sensor reference numbers, refer to figure 1.

- Adjust tag axle according to specifications' chart below.

TAG AXLE ALL VEHICLES			
Alignment / value	Minimum value	Nominal value	Maximum value
Thrust angle (deg.)	-0.02	0	0.02

