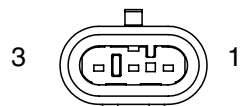


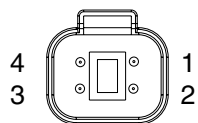
Wiring diagram

Connector, -A
AMP Superseal 1.5



1. FREQ_OUT
2. POWER (+12Vdc)
3. GROUND

Connector, -D
Deutsch, DT04



1. FREQ_OUT
2. GROUND
3. POWER (+12Vdc)
4. DIGITAL_OUT

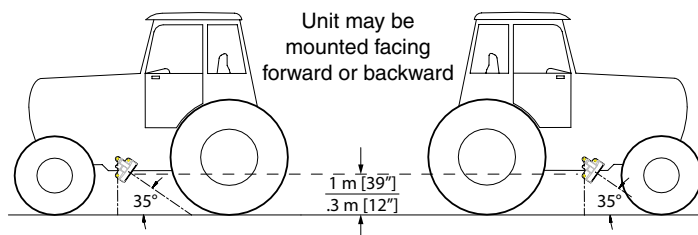
Mating connector: available from manufacturer
Housing: 282087-1
Contacts: 183025-1 (3 req'd)
Seals: 281934-2 (3 req'd)
Boot (optional): 880811-2

Mating connector: 5031113

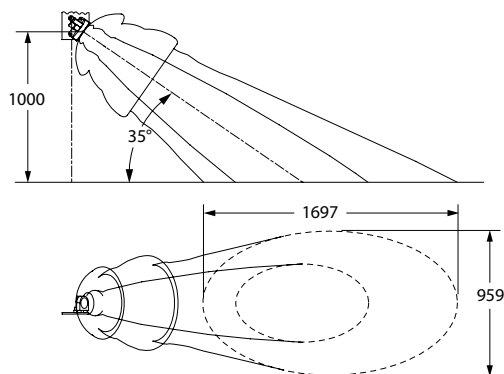
NOTICE

Connectors must be properly installed to meet environmental specification.

- Sealing plugs must be inserted in all unused pin positions.



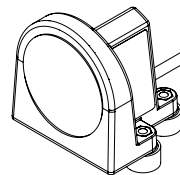
It is important for the sight line of the doppler signal to be as unobstructed as possible. Interference with the doppler signal can lead to false or erratic speed readings.



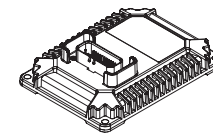
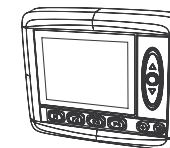
Installation TGSS 740

Publ.no: HY33-5005-IS/US
Ed. 02/2012

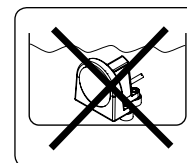
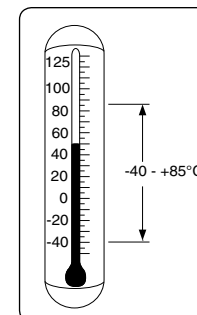
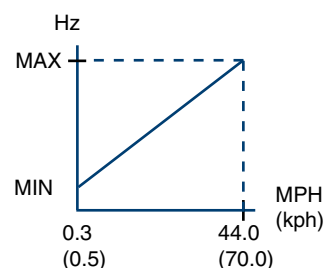
TGSS 740



IQAN master or VMM
system modules



Speed vs. output diagram



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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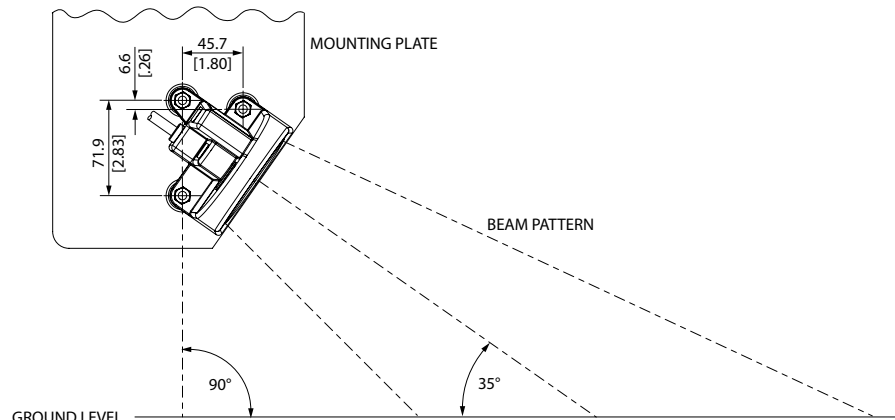
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For further information see:
HY33-5005-IB/US Instructions TGSS 740

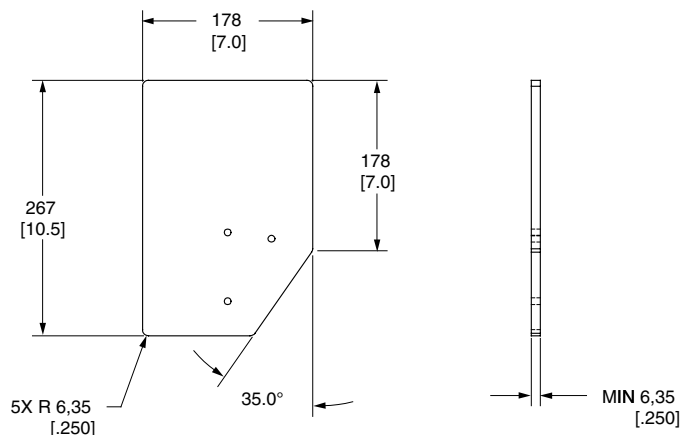


Eng.no: IS-TGSS-201202-05

Any error in the mounting angle will directly affect the Doppler accuracy. At 35° nominal, an error of 1° is approximately a 1% error in speed measurement. Post installation calibration should be done to remove errors due to bracket alignment tolerances and vehicle levelness.



The mounting plate should be at least 6.35 mm (1/4") steel and the length kept short to minimize vibration. Sample mounting plate dimensions are shown below.



NOTICE

If the area dimensions are exceeded:

- increase material thickness to help reduce susceptibility to vibration.

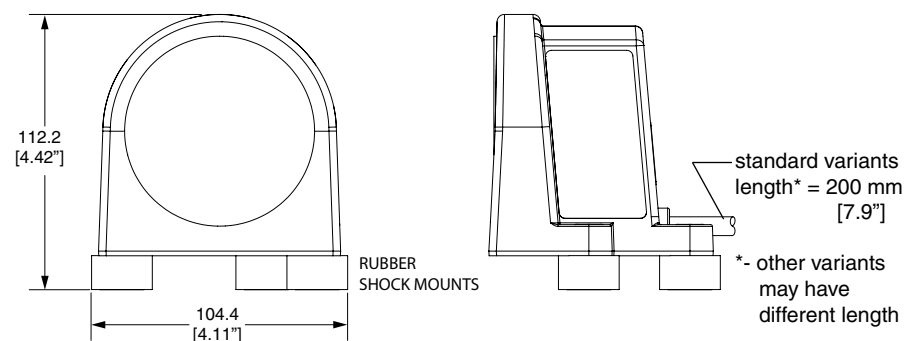
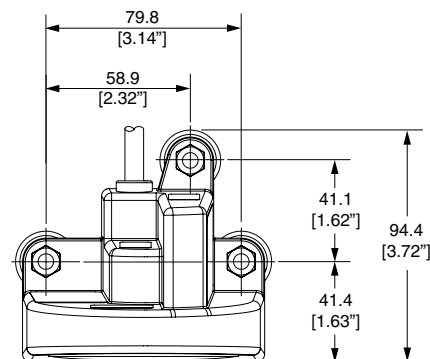
The TGSS should be secured to the mounting plate with bolts in all 3 bolt holes using 6 mm Hex Head bolts and locking washers.

The bolts should be tightened to 5.4-7.3 Nm (48-65 in lbs).

Appropriate length bolts are routed from the underside of the unit through the mounting plate and tightened into the shock absorbers on the unit's base. The bolts should engage the threads in the shock absorbers to a maximum depth of 6.35 mm (1/4").

NOTICE

At completion of installation, the validation steps outlined in 'HY33-5005-IB/US Instructions TGSS 740' should be followed.



units = mm
[inch]