SPARTAN CHASSIS, INC.

TECHNICAL SERVICE BULLETIN

SUBJECT: Engine Oil Leak – Cummins C8.3, ISC, ISL, ISM

APPLIES TO: Certain Spartan Chassis Models Equipped with a Cummins C8.3, ISC, ISL, or ISM Engine, with a VDM (Vehicle Date of Manufacture) between September 2002 and April 2005.

CONDITION: The plastic engine oil dipstick tube may melt as it could be located in a manner that it is subject to contact with a heat source in the engine compartment.

PART / SERVICE INFORMATION:

Labor Time: 0.5 Hrs.

Contact Spartan Chassis, Inc. Customer Assistance Center at 1-800-543-4277 to verify the appropriate kit is distributed for the application. Please have the SO (Sales Order) number available. The SO number is the last 5 digits of the VIN (Vehicle Identification Number).

QTY.	Part Number	Description
1	S-1730-001	Kit- C8.3/ISC/ISL
1	S-1730-002	Kit- C8.3/ISC/ISL
1	S-1730-003	Kit- C8.3/ISC/ISL
1	S-1730-004	Kit- ISL03
1	S-1730-005	Kit- ISC03
1	S-1730-006	Kit- ISM02

PLEASE READ THE ENTIRE BULLETIN BEFORE PROCEEDING WITH ANY WORK.

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Kit #S-1730-001 Contains:

QTY.	Part Number	Description
1	0805-AA3-001	Dipstick Tube-C8.3/ISC/ISL, 39 15/16” in length
1	S332SSG12	Loop Clamp (Umpco)- 3/4”
1	TSB05-170-003	Document Instructions

Kit #S-1730-002 Contains:

QTY.	Part Number	Description
1	0805-AA3-007	Dipstick Tube-C8.3/ISC/ISL, 39 5/8” in length
1	S332SSG12	Loop Clamp (Umpco)- 3/4”
1	TSB05-170-003	Document Instructions

Kit #S-1730-003 Contains:

QTY.	Part Number	Description
1	0805-AA3-008	Dipstick Tube-C8.3/ISC/ISL, 42 1/2” in length
1	S332SSG12	Loop Clamp (Umpco)- 3/4”
1	TSB05-170-003	Document Instructions

Kit #S-1730-004 Contains:

QTY.	Part Number	Description
1	1650-AA3-001	Dipstick Assembly- ISL03
1	S332SSG12	Loop Clamp (Umpco)- 3/4”
1	TSB05-170-003	Document Instructions

Kit #S-1730-005 Contains:

QTY.	Part Number	Description
1	1654-AA3-001	Dipstick Assembly-ISC03
1	S332SSG12	Loop Clamp (Umpco)- 3/4”
1	TSB05-170-003	Document Instructions

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Kit #S-1730-006 Contains:

QTY.	Part Number	Description
1	1739-AA3-001	Dipstick Assembly-ISM02
1	60NTA-8	Sleeve
1	SRS-6091	Tube Supt
1	S332SSG12	Loop Clamp (Umpco)- 3/4”
1	TSB05-170-003	Document Instructions

STEP-BY-STEP INSTRUCTIONS:

1. Observe all industry safety standards and secure vehicle to allow for replacement of engine oil dipstick tube.
2. Locate the dipstick tube attachment at the engine block.
3. Reference notes below for specific engine application. Remove dipstick from cylinder block standoff and replace with new dipstick tube assembly.

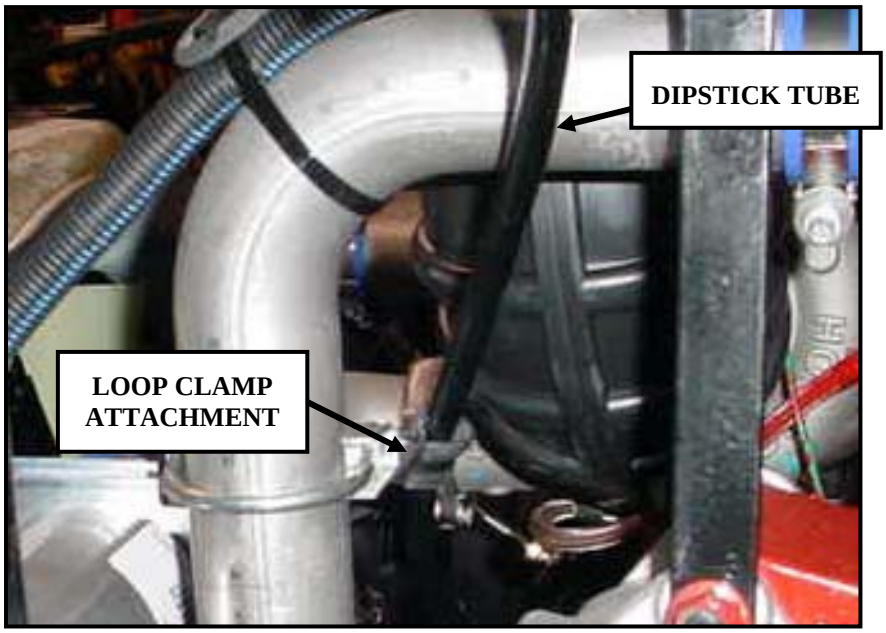
   Note: For ISC and ISL engines, remove dipstick and standoff from block and replace.

   Note: For ISM engines, remove tube from existing fitting. Slide new ferrule over tube. Place tube over tube support and turn hex nut 12 flats tightening it securely around the tube.

4. To prevent contact with the turbo or any other heat source, secure dipstick tube with the loop clamp provided to an appropriate location as shown in FIG. 4-1, FIG. 5-1, or FIG. 6-1.

   Note: Plastic tube must be a minimum of 2.0 inches from the turbo unit or any heat source (i.e. turbocharger, exhaust piping, hot water piping, etc.)

   Note: Care must be taken with new tube installation and routing to not to kink the plastic tube, as this will cause resistance when inserting and/or removing the dipstick.



TYPICAL CLAMP ATTACHMENT TO WATER TUBE
FIG. 4-1

5. After final dipstick tube installation, check removal and insertion of dipstick into tube to ensure it is smooth and free from any resistance.

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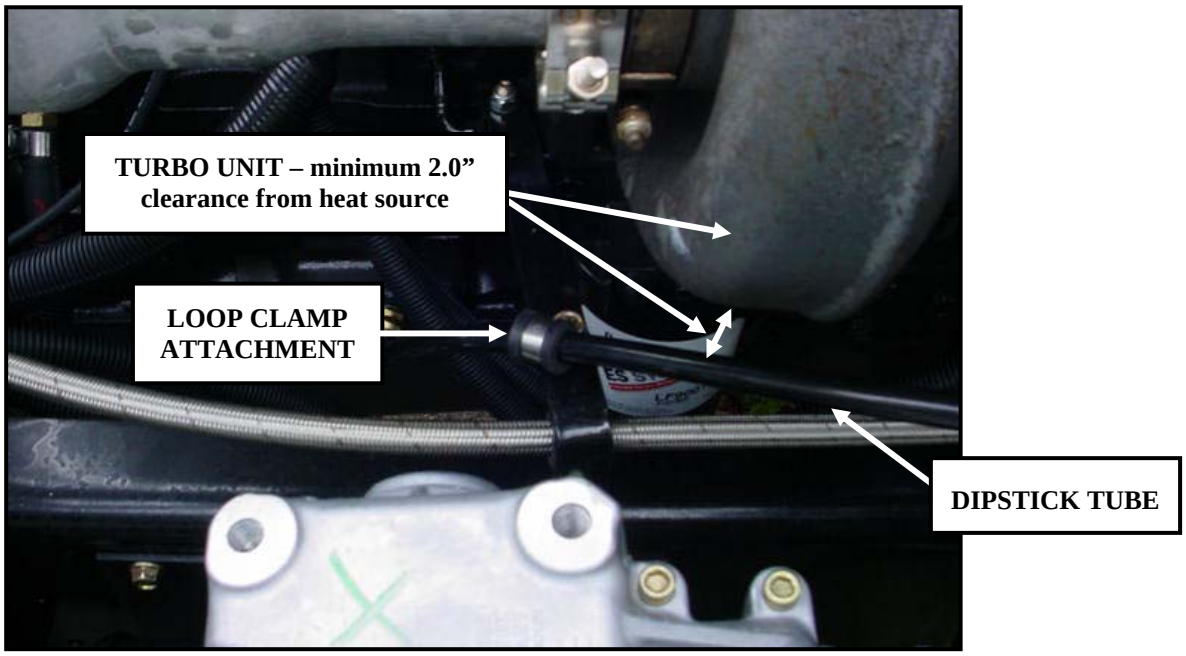

TYPICAL CLAMP ATTACHMENT TO BRACKET
FIG. 5-1

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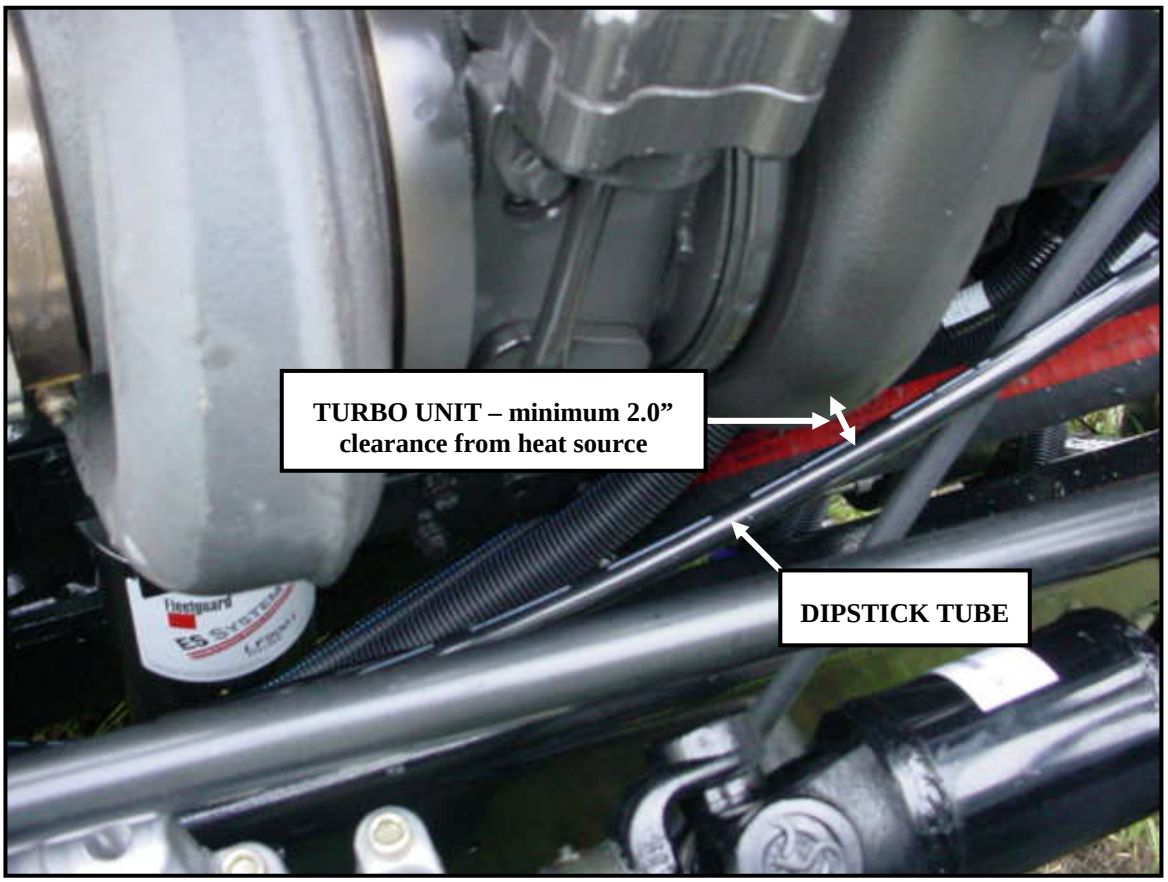

TYPICAL ROUTING OF DIPSTICK TUBE
FIG. 6-1