



TRANSICOLD

TAC-SER05-001 Rev B
03-11-05

**Subject: Mount Kit for 2004-05 Ford E-Series w/6.0L Diesel
(Part #72-62035-00,01,02)**

To All Carrier Dealers and Installers:

This bulletin is in reference to the compressor mount kits installed on the 2004-05 Ford E-Series 6.0 liter diesel engines. In some applications we have experienced failures due to insufficient welds. This bulletin will assist you in identifying customers with weldments that are at risk.

Effective September 2, 2004 all mount kits for the 6.0L Ford diesel supplied by Carrier incorporated the design specifications/improvements. Vehicles built with kits shipped on or after September 2, 2004 are not included in this notice. Vehicles produced prior to September 1, 2004 should be inspected using:

Part I - Weldment revision identification of the attached document to determine if the weldment is eligible for replacement. If it is determined that the weldment is eligible for replacement use:

Part II of the attached document, which provides the step-by-step procedure to remove and replace the weldment. After completing inspection/repair please install the provided sticker under the hood.

Conformance to bolt torque specification is imperative during the installation of this, or any, mount kit. The installation drawings as well as the attached document provide torque specifications. Improperly torqued bolts can become loose due to vibration caused by the engine, compressor clutch torque, or road conditions. Loose bolts will expose the weldment to unnecessary stress, ultimately resulting in cracks and/or breakage.

Customers with busses at risk should make arrangements with you, their local Carrier dealer, to have their bus inspected and if necessary fitted with the new retrofit kit 74-62028-00. This kit can be ordered from Carrier's Replacement Components Group (RCG) 1-800-255-7382. This will be handled as a warranty and there will be no charge to the customer. Please use PT170 as your job code. Hours allowed for inspection/repair are listed on the attached claims chart.

For more information on this bulletin, please contact Carrier Transport Air Conditioning service department at 1-800-450-2211.

Raymond Cole,
Field Service Manager
Carrier Transport Air Conditioning

Rev A: Corrected RCG contact number.
Rev B: Revised sheet two

BD

Service Information



TRANSPORT AIR CONDITIONING

Hours Allowed For Inspection/Repair.

NOTE:

Retrofit Kit 74-62028-00 must be purchased through Carrier's Replacement Components Group or a Carrier Authorized Dealer. Reimbursement to Dealers for the Retrofit Kit will be at list price (less your discount) plus twenty percent handling fee. Depots and other service providers will receive cost paid plus twenty percent handling fee. A receipt for the kit purchased from a dealer must accompany all warranty claim forms. All parts must be returned Freight Collect via UPS (Carrier/UTC Account # V88F37) to:


Carrier Transport Air Conditioning
 50 Grumbacher Road
 York, PA 17402
 ATTN: Service Department

Part Number	Hours per Unit
Inspection	0.5
72-62035-00 Max Mount, w/dual OEM alternators	5
Inspection	0.5
72-62035-01 Max Mount, w/single OEM/Leece Neville alternator	5
Inspection	0.5
72-62035-02 Max Mount, w/single Pentax PX-5 alternator	5

Belt Reference Guide

Mount Kit	Description	Belt - Main	Belt - Alt.
76-62035-00	Mt. Kit, Max add-on 2004 Ford E-series 6.0L (Dual OEM Alt)	50-62000-66 (K8 131.26")	50-62000-18 (K6 91.00")
76-62035-01	Mt. Kit, Max add-on 2004 Ford E-series 6.0L (Single OEM Alt)	50-62000-67 (K8 125.35")	50-62000-57 (K6 75.5")
76-62035-02	Mt. Kit, Max add-on 2004 Ford E-series 6.0L (Single PX-5 OEM Alt)	602-445 (K8 126.5")	50-62000-57 (K6 75.5")
76-62035-03	Mt. Kit, PX-5 Alternator Upgrade only (Single Alternator Chassis)	50-62000-66 (K8 131.26")	N/A

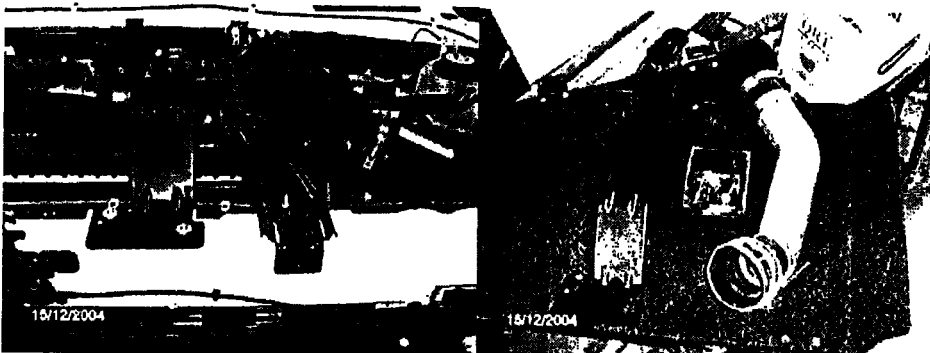
Rev B: Revised return part shipping information

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686	Rev. B
	Date Jan 12, 2005	Sheet 1 of 6
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date Sheet of

74-62028-00, RETROFIT KIT, 2004-05 FORD E-SERIES 6.0L MAX MOUNT WELDMENT CAMPAIGN

PART I – Weldment Inspection guidelines

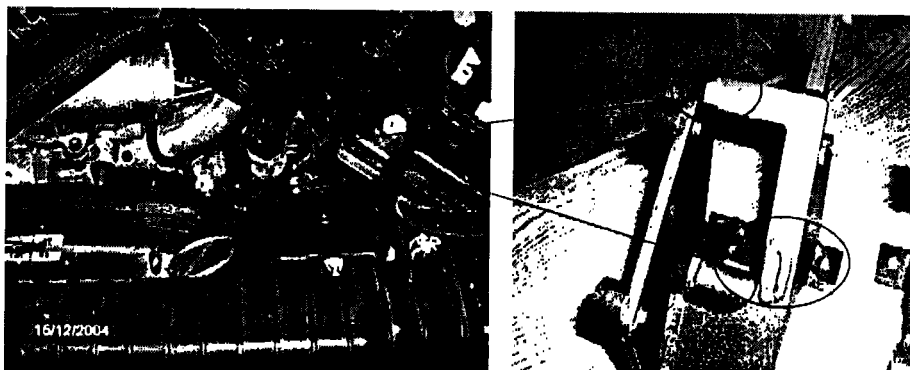
Inspection Procedure:



Starting point less w/plastic cover removed


Parts to be removed

1. Disconnect battery
2. Remove & retain plastic shroud at hood latch (Phillips head plastic screws/clips).
3. Remove & retain power steering reservoir bracket and dipstick support bracket. (Seven 6mm bolts – use 10mm socket). **Note you must temporarily remove cap to separate the reservoir from the bracket assembly. Please take caution to not spill and/or contaminate fluid.*
4. Remove & retain air cleaner tube between air cleaner and turbo inlet (7 mm socket).
5. Remove & retain driver's side turbo tube connection intercooler outlet and engine inlet (11 mm socket).



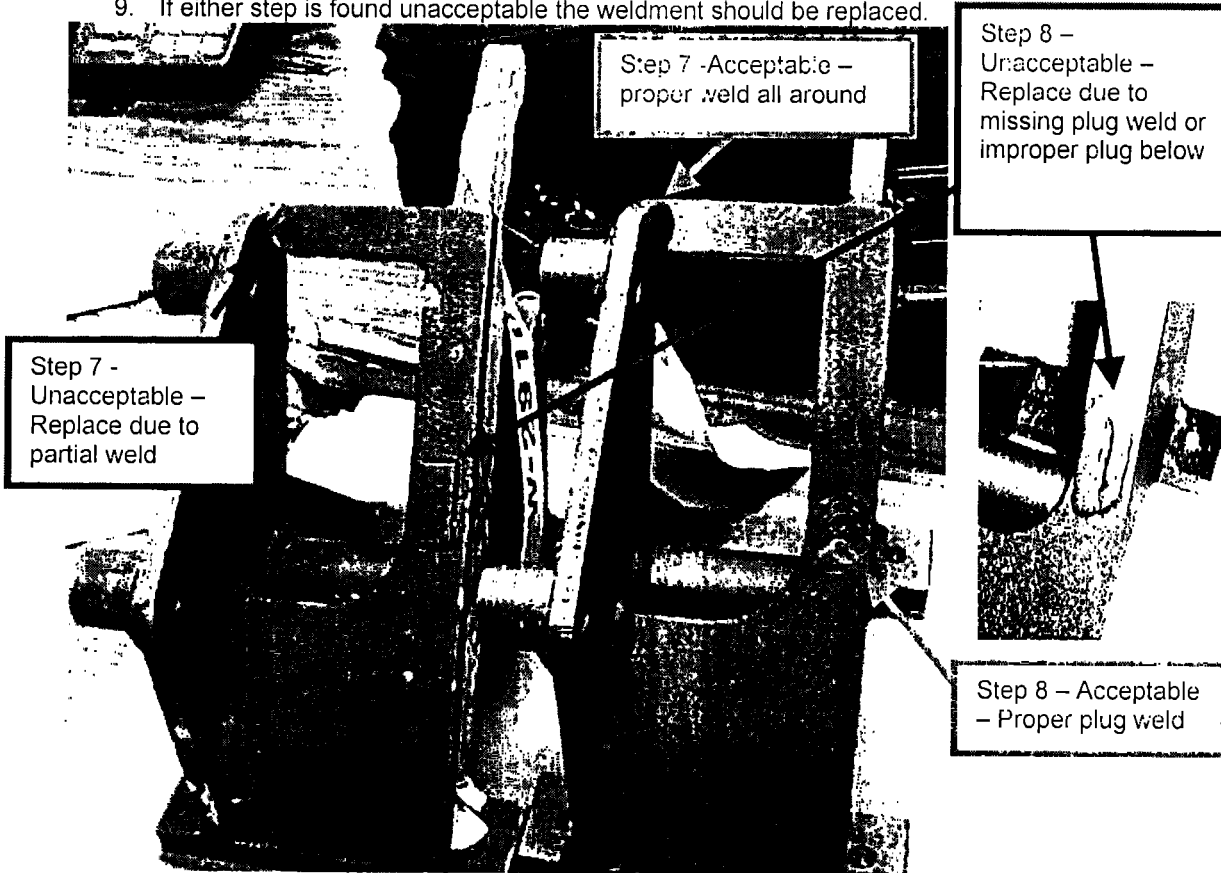
6. Inspect the weldment using a good shop light and telescoping mirror as required.

File: This file is located on the Syracuse Server L:\Drafting\Firms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686	Rev. B
	Date Jan 12, 2005	Sheet 2 of 6
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date Sheet of




7. Inspect the weld in the areas indicated below.
8. Inspect the area illustrated below for a plug weld at the tab.
9. If either step is found unacceptable the weldment should be replaced.



10. Fill out supplied label (62-62047-00) and adhere to the underside of vehicle hood so it is readily visible when hood is opened.
 - a. If weldment is found to be acceptable then no further action is required and the label should be completed and say "Pass" and "Not Required". Complete label (follow examples below) and adhere cover.

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA, 17402 USA	Drawing No. 98-62686	Rev. B
	Date Jan 12, 2005	Sheet 3 of 6
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date Sheet of

b. If weldment is found unacceptable then retrofit is required and top section of the label should be completed and depict "fail". Schedule/complete the retrofit per Part II of this document. Once retrofit is completed, complete lower portion of the label and adhere cover.

**** Note - This is a two-piece label, once the cover laminate is in place you cannot write on the label nor can it be removed without destroying the label.**

Sample label: PASS


Sample label: FAIL

PART II – Step by step retrofit instruction

***Note - Please use this document along with 98-62685 drawing also supplied.**


1. Disconnect battery and drain coolant (@ radiator petcock).
2. Remove & retain plastic shroud at hood latch (plastic Phillips head screws/clips).
3. Remove & retain power steering reservoir bracket and dipstick support bracket. (Seven 6mm bolts – use 10mm socket). **Note - you must temporarily remove cap to separate the reservoir from the bracket assembly. Please take caution to not spill and/or contaminate fluid.*
4. Remove & retain air cleaner tube between air cleaner and turbo inlet (7 mm socket).
5. Remove & retain driver's side turbo tube connection intercooler outlet and engine inlet (11 mm socket).
6. Remove & set aside antifreeze overflow hose at radiator (pliers).
7. Disconnect upper radiator hose at radiator (pliers).
8. Remove & retain lower fan shroud. (Two 6mm bolts– use 8mm socket)
9. Remove & retain upper fan shroud. (Two 6mm bolts– use 8mm socket)
10. Remove & retain four bolts attaching stator to engine (15 mm socket). **Note – you do not need to remove stator or fan from the chassis, only loosen stator assembly*
11. Remove OEM six-groove belt (front drive belt) from compressor and vacuum pump. Do not remove entirely, simply set aside as it will be re-installed. (½" drive ratchet)
12. Remove OEM eight-groove belt (rear/main drive belt) from power steering pump and 8-groove idler pulley. Do not remove entirely, simply set aside as it will be re-installed. **Note that the spring tensioner has a catch that allows the spring tensioner assembly to remain in the rotated stated until ready to reapply tension to the belt. (½" drive ratchet)*

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

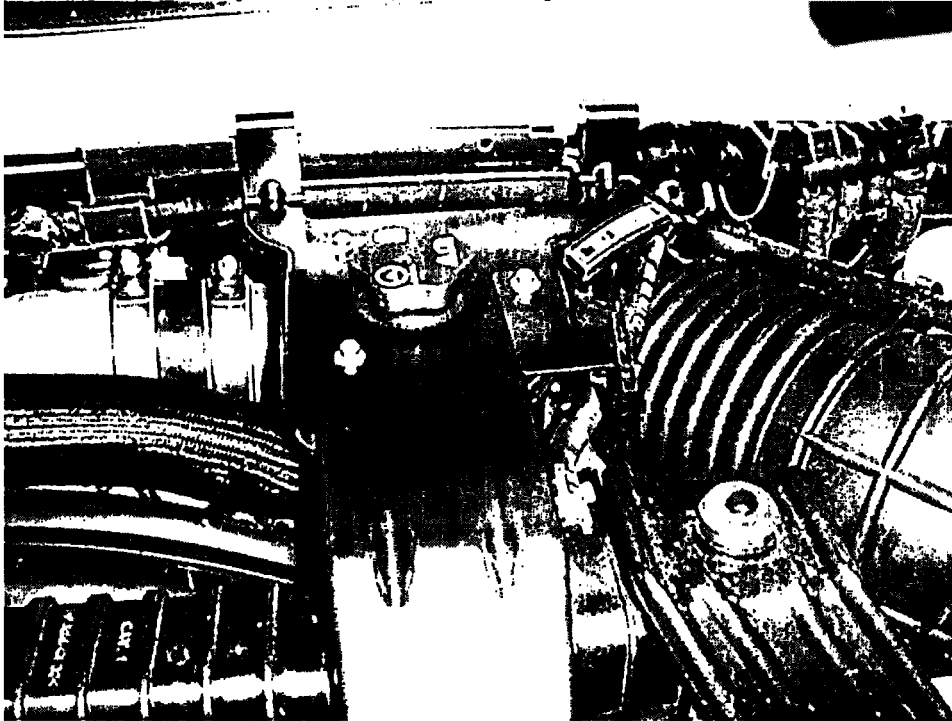
 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686		Rev. B
	Date Jan 12, 2005	Sheet 4 of 6	
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes		Date Sheet of

13. Remove & retain driver's side eight-groove idler pulley to gain access to main weldment mounting hardware (15 mm socket).
14. Disconnect & set aside heater hose to gain access to main weldment mounting hardware (7mm socket).
15. Remove & set aside the vacuum pump (10mm socket)
16. Remove & retain clamps securing the suction and discharge hoses from the rear of the compressor for a length of at least 5 foot.
17. Remove and discard the three-weldment mounting bolts (17mm socket). **Note - Verify threads and holes are clean and free from defect; moreover, bolt should thread in fully by hand. Clean with brake cleaner and use a 10mm-1.50 re-threader or tap as required.*
18. Rotate compressor and weldment assembly 90° in the clockwise direction and pull forward as required to gain access to the four 8mm compressor mounting bolts. **Note - An assistant will greatly aid in this step.*
19. Remove & retain four compressor-mounting bolts. (13mm socket)
20. Remove and replace main weldment with 86-62400-00 Rev C, supplied in retrofit kit 74-62028-00.
21. Re-install compressor to weldment using supplied hardware (four 8mm-100mm bolts - Torque to 22 ft-lb). Install compressor and weldment. (Using three 10 mm bolts supplied - Install longest bolt first).
**** Critical Torque to 55 ft-lbs (Dry) – use torque wrench - (Torque 110MM bolt first followed by two 45mm long bolts)**
**Note - Bolt should thread in fully/easily by hand, weight of weldment & compressor assembly must be supported during this step. If bolts do not thread in easily refer back to step 17 and/or verify weldment orientation and hole alignment is correct. Contact factory for additional information.*
22. Check belt alignment, verify adequate clearance, and clutch plug remained connected.
23. Reinstall heater hose.
24. Install vacuum pump to weldment using OEM hardware.
25. Reinstall OEM eight-groove front-side idler pulley.
26. Install new eight-groove belt. **Note - Refer to supplied drawing 98-62685 for guidance in proper belt routing*
27. Install new six-groove belt. **Note - Refer to supplied drawing 98-62685 for guidance in proper belt routing*
28. Re-connect fan plug
29. Reinstall stator. (Reuse OEM hardware)
30. Reinstall upper and lower shroud (lower shroud can be installed by feeding through from the top and sliding down and around the stator ring or take off lower radiator hose). ****Caution will break easily.**
31. Reinstall air cleaner tube to engine only. (Do not connect to air cleaner box at this time)
32. Reinstall turbo tube.
33. Install air cleaner tube to filter box.
34. Reinstall radiator overflow tube.
35. Reinstall power steering reservoir bracket. (Reuse OEM hardware)

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686	Rev. B
	Date Jan 12, 2005	Sheet 5 of 6
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date Sheet of

36. Attach oil dipstick angle bracket to power steering bracket.



37. Reinstall upper radiator hose.
38. Refill antifreeze (make sure petcock is closed).
39. Re-secure suction and discharge lines using clamps removed, arrange to gain maximum clearance from the exhaust manifold, verify manifold mounting bolts are secure.
40. Verify clearances to all hoses and harnesses double-check all work and hardware for correct tightness and run test vehicle.
41. Once retrofit is completed, complete lower portion of the label (62-62047-00) and adhere top cover (for additional information refer to Step 10 in part I of this document).

*** Note – This is a two-piece label, once the cover laminate is in place you cannot write on the label nor can it be removed without destroying the label.*

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------



TAC-SER05-001 Rev B
03-11-05

**Subject: Mount Kit for 2004-05 Ford E-Series w/6.0L Diesel
(Part #72-62035-00,01,02)**

To All Carrier Dealers and Installers:

This bulletin is in reference to the compressor mount kits installed on the 2004-05 Ford E-Series 6.0 liter diesel engines. In some applications we have experienced failures due to insufficient welds. This bulletin will assist you in identifying customers with weldments that are at risk.

Effective September 2, 2004 all mount kits for the 6.0L Ford diesel supplied by Carrier incorporated the design specifications/improvements. Vehicles built with kits shipped on or after September 2, 2004 are not included in this notice. Vehicles produced prior to September 1, 2004 should be inspected using:

Part I - Weldment revision identification of the attached document to determine if the weldment is eligible for replacement. If it is determined that the weldment is eligible for replacement use:

Part II of the attached document, which provides the step-by-step procedure to remove and replace the weldment. After completing inspection/repair please install the provided sticker under the hood.

Conformance to bolt torque specification is imperative during the installation of this, or any, mount kit. The installation drawings as well as the attached document provide torque specifications. Improperly torqued bolts can become loose due to vibration caused by the engine, compressor clutch torque, or road conditions. Loose bolts will expose the weldment to unnecessary stress, ultimately resulting in cracks and/or breakage.

Customers with busses at risk should make arrangements with you, their local Carrier dealer, to have their bus inspected and if necessary fitted with the new retrofit kit 74-62028-00. This kit can be ordered from Carrier's Replacement Components Group (RCG) 1-800-255-7382. This will be handled as a warranty and there will be no charge to the customer. Please use PT170 as your job code. Hours allowed for inspection/repair are listed on the attached claims chart.

For more information on this bulletin, please contact Carrier Transport Air Conditioning service department at 1-800-450-2211.

Raymond Cole,
Field Service Manager
Carrier Transport Air Conditioning

Rev A: Corrected RCG contact number.
Rev B: Revised sheet two

BD



TRANSPORT AIR CONDITIONING

Hours Allowed For Inspection/Repair.

NOTE:

Retrofit Kit 74-62028-00 must be purchased through Carrier's Replacement Components Group or a Carrier Authorized Dealer. Reimbursement to Dealers for the Retrofit Kit will be at list price (less your discount) plus twenty percent handling fee. Depots and other service providers will receive cost paid plus twenty percent handling fee. A receipt for the kit purchased from a dealer must accompany all warranty claim forms. All parts must be returned Freight Collect via UPS (Carrier/UTC Account # V88F37) to:


Carrier Transport Air Conditioning
 50 Grumbacher Road
 York, PA 17402
 ATTN: Service Department

Part Number	Hours per Unit
Inspection	0.5
72-62035-00 Max Mount, w/dual OEM alternators	5
Inspection	0.5
72-62035-01 Max Mount, w/single OEM/Leece Neville alternator	5
Inspection	0.5
72-62035-02 Max Mount, w/single Pentax PX-5 alternator	5

Belt Reference Guide

Mount Kit	Description	Belt - Main	Belt - Alt.
76-62035-00	Mt. Kit, Max add-on 2004 Ford E-series 6.0L (Dual OEM Alt)	50-62000-66 (K8 131.26")	50-62000-18 (K6 91.00")
76-62035-01	Mt. Kit, Max add-on 2004 Ford E-series 6.0L (Single OEM Alt)	50-62000-67 (K8 125.35")	50-62000-57 (K6 75.5")
76-62035-02	Mt. Kit, Max add-on 2004 Ford E-series 6.0L (Single PX-5 OEM Alt)	602-445 (K8 126.5")	50-62000-57 (K6 75.5")
76-62035-03	Mt. Kit, PX-5 Alternator Upgrade only (Single Alternator Chassis)	50-62000-66 (K8 131.26")	N/A

Rev B: Revised return part shipping information

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686	Rev. B
	Date Jan 12, 2005	Sheet 1 of 6
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date Sheet of

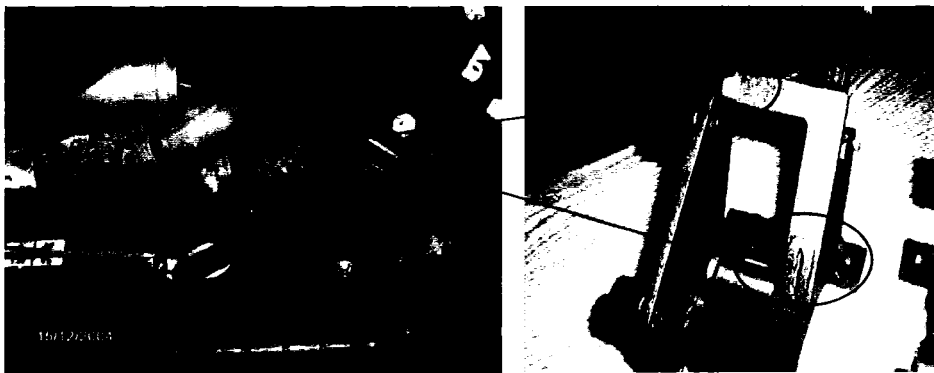
74-62028-00, RETROFIT KIT, 2004-05 FORD E-SERIES 6.0L MAX MOUNT WELDMENT CAMPAIGN

PART I – Weldment Inspection guidelines

Inspection Procedure:




1. Disconnect battery
2. Remove & retain plastic shroud at hood latch (Phillips head plastic screws/clips).
3. Remove & retain power steering reservoir bracket and dipstick support bracket. (Seven 6mm bolts – use 10mm socket). **Note you must temporarily remove cap to separate the reservoir from the bracket assembly. Please take caution to not spill and/or contaminate fluid.*
4. Remove & retain air cleaner tube between air cleaner and turbo inlet (7 mm socket).
5. Remove & retain driver's side turbo tube connection intercooler outlet and engine inlet (11 mm socket).



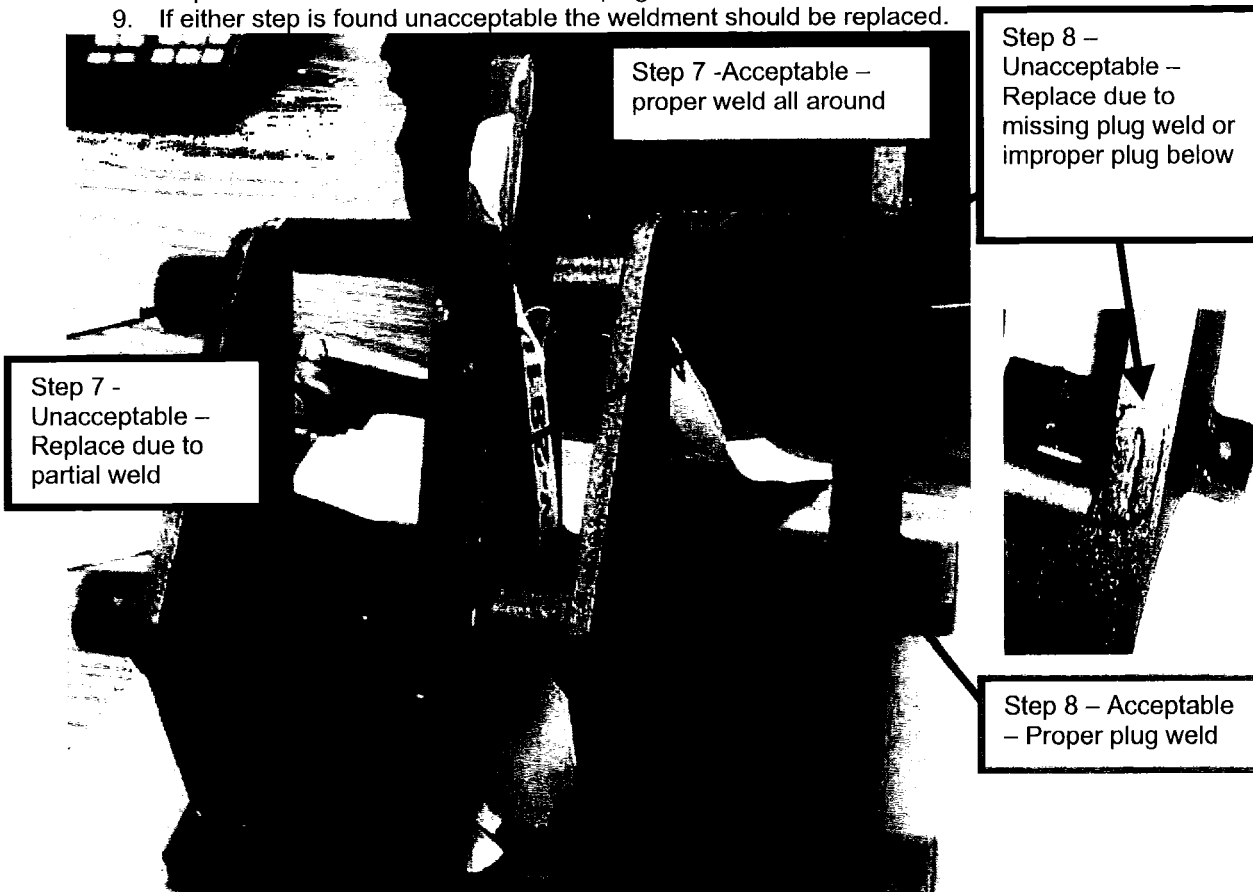
6. Inspect the weldment using a good shop light and telescoping mirror as required.

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686		Rev. B
	Date Jan 12, 2005	Sheet 2 of 6	
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date	
		Sheet of	




7. Inspect the weld in the areas indicated below.
8. Inspect the area illustrated below for a plug weld at the tab.
9. If either step is found unacceptable the weldment should be replaced.




10. Fill out supplied label (62-62047-00) and adhere to the underside of vehicle hood so it is readily visible when hood is opened.
 - a. If weldment is found to be acceptable then no further action is required and the label should be completed and say "Pass" and "Not Required". Complete label (follow examples below) and adhere cover.

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

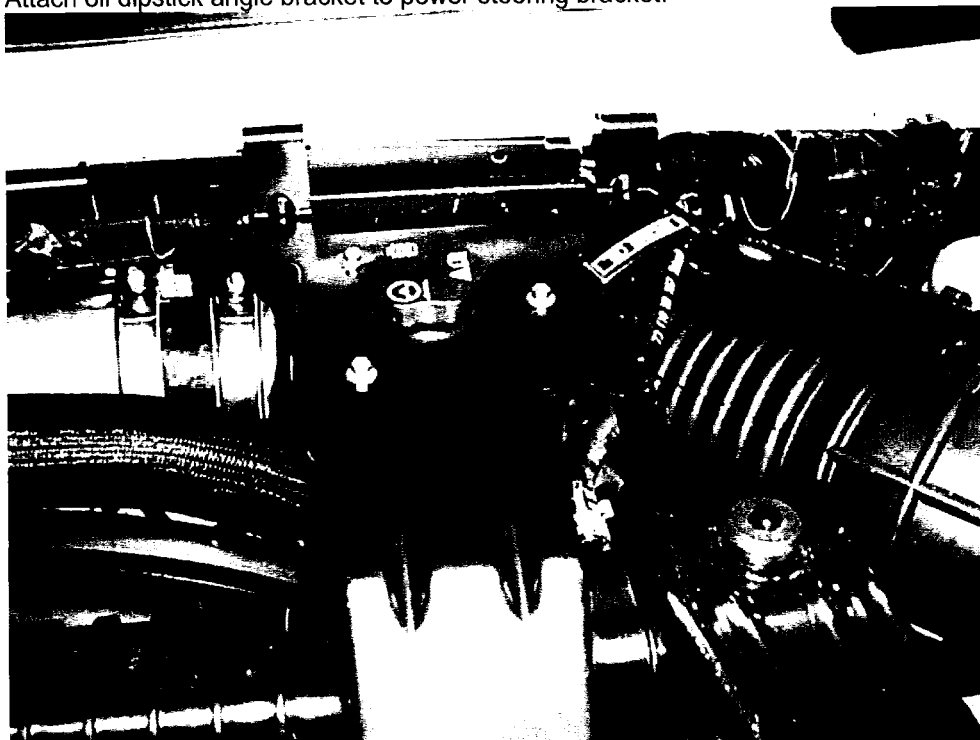
 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686		Rev. B
	Date Jan 12, 2005	Sheet 4 of 6	
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date	
		Sheet of	

13. Remove & retain driver's side eight-groove idler pulley to gain access to main weldment mounting hardware (15 mm socket).
14. Disconnect & set aside heater hose to gain access to main weldment mounting hardware (7mm socket).
15. Remove & set aside the vacuum pump (10mm socket)
16. Remove & retain clamps securing the suction and discharge hoses from the rear of the compressor for a length of at least 5 foot.
17. Remove and discard the three-weldment mounting bolts (17mm socket). **Note - Verify threads and holes are clean and free from defect; moreover, bolt should thread in fully by hand. Clean with brake cleaner and use a 10mm-1.50 re-threader or tap as required.*
18. Rotate compressor and weldment assembly 90° in the clockwise direction and pull forward as required to gain access to the four 8mm compressor mounting bolts. **Note - An assistant will greatly aid in this step.*
19. Remove & retain four compressor-mounting bolts. (13mm socket)
20. Remove and replace main weldment with 86-62400-00 Rev C, supplied in retrofit kit 74-62028-00.
21. Re-install compressor to weldment using supplied hardware (four 8mm-100mm bolts - Torque to 22 ft-lb). Install compressor and weldment. (Using three 10 mm bolts supplied - Install longest bolt first).
**** Critical Torque to 55 ft-lbs (Dry) – use torque wrench - (Torque 110MM bolt first followed by two 45mm long bolts)**
**Note - Bolt should thread in fully/easily by hand, weight of weldment & compressor assembly must be supported during this step. If bolts do not thread in easily refer back to step 17 and/or verify weldment orientation and hole alignment is correct. Contact factory for additional information.*
22. Check belt alignment, verify adequate clearance, and clutch plug remained connected.
23. Reinstall heater hose.
24. Install vacuum pump to weldment using OEM hardware.
25. Reinstall OEM eight-groove front-side idler pulley.
26. Install new eight-groove belt. **Note - Refer to supplied drawing 98-62685 for guidance in proper belt routing*
27. Install new six-groove belt. **Note - Refer to supplied drawing 98-62685 for guidance in proper belt routing*
28. Re-connect fan plug
29. Reinstall stator. (Reuse OEM hardware)
30. Reinstall upper and lower shroud (lower shroud can be installed by feeding through from the top and sliding down and around the stator ring or take off lower radiator hose). ****Caution will break easily.**
31. Reinstall air cleaner tube to engine only. (Do not connect to air cleaner box at this time)
32. Reinstall turbo tube.
33. Install air cleaner tube to filter box.
34. Reinstall radiator overflow tube.
35. Reinstall power steering reservoir bracket. (Reuse OEM hardware)

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

 Carrier A United Technologies Company Carrier Transicold Division 50 Grumbacher rd York PA. 17402 USA	Drawing No. 98-62686		Rev. B
	Date Jan 12, 2005	Sheet 5 of 6	
Title: INSTALL INSTR, SUPPL 04 FORD 6.0L 74-62028-00	Supersedes	Date	
		Sheet of	

36. Attach oil dipstick angle bracket to power steering bracket.



37. Reinstall upper radiator hose.

38. Refill antifreeze (make sure petcock is closed).

39. Re-secure suction and discharge lines using clamps removed, arrange to gain maximum clearance from the exhaust manifold, verify manifold mounting bolts are secure.

40. Verify clearances to all hoses and harnesses double-check all work and hardware for correct tightness and run test vehicle.

41. Once retrofit is completed, complete lower portion of the label (62-62047-00) and adhere top cover (for additional information refer to Step 10 in part I of this document).

*** Note – This is a two-piece label, once the cover laminate is in place you cannot write on the label nor can it be removed without destroying the label.*

File: This file is located on the Syracuse Server L:\Drafting\Forms\DwgForm.doc	Prepared By: KMS	Approved By: J Sharbaugh	Date: Jan 12, 2005
---	-------------------------	---------------------------------	---------------------------

